



safety glazing certification council

January 1, 2019

certified products directory
safety glazing material used in buildings
visit our website @ sgcc.org



The SGCC® 2019 Fall Meeting



Hotel: Hyatt Regency

1750 Lake Cook Road • Deerfield, IL
60015
(847) 945-3400

Meeting Location: Wiss, Janney, Elstner (WJE) Laboratory

330 Pfingsten Road • Northbrook, IL
60062

We are pleased to announce that WJE Laboratory has graciously offered to host the 2019 SGCC Certification Meeting at their new laboratory located in Northbrook, IL. Included with this year's Certification meeting, we will also provide attendees with a tour of this new facility. More details regarding the tour will be provided at a later date. In addition, a room block has been reserved at the Hyatt Regency hotel 2 miles from WJE Laboratory for this event.

Transportation: from O'Hare International Airport to the Hyatt Regency (located 15 miles) average costs are estimated at \$30 via Uber or \$50 via taxi. A shuttle between the Hyatt Regency and WJE Laboratory will be provided.

Tentative Meeting Schedule

Tuesday, October 8th, 2019

6:30 - 8:30pm SGCC® Board of Directors Dinner at the J. Alexander's Redlands Grill. The restaurant is located 0.6 miles from the hotel at 4077 Lake Cook Rd, Northbrook, IL 60062. Please meet in the hotel lobby at 6:15pm (*Board Members and invited guests)

Wednesday, October 9th, 2019

Meeting will be held at WJE Lab, including a Laboratory Tour (details will be provided at a later date)

7:30 - 8:00 Light breakfast *Board Members Only
8:00 - 12:00 SGCC® Board of Directors Meeting & lunch *Board Members and guests only
1:00 - 5:00 SGCC® Certification Committee Meeting
5:00 - 5:15 SGCC® Participants Meeting
6:00 - 7:30 Cocktail/Hors d'oeuvres Reception

Thursday, October 10th, 2019

Meeting will be held at WJE Lab

7:30 - 8:00 Light breakfast provided
8:00 - 12:00 SGCC® Certification Committee Meeting

For Hotel reservations, please click the link below, and you will be directed to the SGCC group rate discount website: <https://www.hyatt.com/en-US/group-booking/DEERF/G-SGCC> You may also call toll free 1-877-803-7534 to place a reservation under the SGCC group. The room rate is \$169 plus tax per night. Reservations for the meeting and an RSVP to the SGCC office (sgcc@amscert.com) must be completed by **September 17, 2019**. If you experience any difficulties making a reservation or have any questions, please contact the SGCC office at 1-315-646-2234. As always, we thank you, and look forward to seeing everyone in October!

January 2019

Safety Glazing Certification Council Certified Products Directory (CPD)

Certification Program for safety glazing materials found to be in compliance with one or more of the following specifications:

"American National Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test: ANSI Z97.1-2015"

Copies of ANSI Z97.1-2015 may be obtained by calling (212) 642-4900, writing the following address or visiting the following website:

American National Standards Institute
11 W 42nd St., #13th Fl
New York, NY 10036-8002
<http://asc-z97-store.myshopify.com/collections/all>

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"Consumer Products Safety Commission Safety Standard for Architectural Glazing Materials - at Title 16, Part 1201 of the Code of Federal Regulations: 16 CFR 1201"

Copies of 16 CFR 1201 may be obtained by calling (202) 512-1800, writing the following address or visiting the following website:

Superintendent of Documents
PO Box 371954
Pittsburg, PA 15250-7954
www.access.gpo.gov

SGCC "Record of Compliance Testing" to support a manufacturer's CPSC Certificate of Compliance Testing may be obtained, when authorized by the SGCC licensee, at

<http://www.sgcc.org/Compliance-Testing.aspx>

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"National Standard of Canada - Tempered or Laminated Safety Glass CAN/CGSB 12.1-2017"

Copies of CAN/CGSB 12.1 may be obtained by calling (613) 238-3222, writing the following address or visiting the following website:

The Secretary  
Canadian General Standard Board  
Ottawa, Canada K1A 1G6  
[https://www.techstreet.com/standards/can-cgsb-12-1-2017?product\\_id=1944892](https://www.techstreet.com/standards/can-cgsb-12-1-2017?product_id=1944892)

Additional copies of this Certified Products Directory may be obtained by contacting the SGCC® office or by going to our website for a PDF copy

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[SGCC@amscert.com](mailto:SGCC@amscert.com)  
Or visit our website @ [www.sgcc.org](http://www.sgcc.org)

SGCC® information and guidelines are included in the twice per year printing of the Certified Products Directory or are available from SGCC® upon request. Re-printing of this information in any other manual, material or document without the written permission of SGCC® is in conflict with the desire of SGCC® and should not be interpreted as being endorsed by or affiliated with SGCC®.

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January 2019

**~ MEETINGS OF THE CERTIFICATION COMMITTEE ~**

The Certification Committee of the Safety Glazing Certification Council meets annually. Minutes of these meetings may be obtained by writing to the Administrative Manager of the Safety Glazing Certification Council (SGCC®) or by visiting the SGCC website at [www.sgcc.org](http://www.sgcc.org)

Certification in this directory is current as of the date of issue, however, products may be certified or have certification removed from time to time. For the most current information, please contact the Administrative Manager of SGCC® or visit the SGCC website at [www.sgcc.org](http://www.sgcc.org)

Any questions, comments, or requests for copies of this directory should be directed to the Administrative Manager of the Safety Glazing Certification Council:

**~ ADMINISTRATION ~**

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E-mail: [SGCC@amscert.com](mailto:SGCC@amscert.com)  
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Katrina Stafford, Program Manager

Kelly Jenness, Program Coordinator  
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Kristin Best, Program Coordinator

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**~ SGCC® BOARD OF DIRECTORS ~**

**~ SGCC® OFFICERS ~**

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Vice President  
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Mr. Shane Merryman  
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January 2019

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~ Honorary Non-Voting Lifetime Member ~  
Mr. Norman Nitschke

**~ COMMUNICATIONS ~**

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## **ACCREDITATION**

In 2016 the American National Standards Institute (ANSI) issued ISO/IEC 17065 Accreditation to the SGCC® Certification Program and AMS, Inc., the program Administrator and Certification Body (CB). This Accreditation is a formal recognition of fulfilling the requirements of the ISO/IEC 17065:2012 standard, as well as ANSI's own accreditation requirements.

### **What is Accreditation?**

Accreditation is similar to certification. Just like in certification there is an independent party who assesses and determines whether or not an organization meets specific requirements. In the case of ANSI's assessment of the SGCC® Certification Program and AMS, Inc., they were assessed to ISO standard ISO/IEC 17065:2012. The end result is called accreditation.

### **Who is ANSI?**

The American National Standards Institute is a not-for-profit entity providing assessment and accreditation of bodies performing third-party conformity assessment (certification), among other services. ANSI also brings global recognition to conformity assessment through several international and regional arrangements for multi-lateral recognition, including the International Accreditation Forum (IAF). In addition, ANSI has a memorandum of understanding (MoU) with the Standards Council of Canada (SCC). All of this helps bring global acknowledgement to conformity assessment.

Information from: *ansica.org*, Why Seek Accreditation?, 2015. Web. August 19, 2015.

### **What is ISO/IEC 17065:2012?**

ISO/IEC 17065:2012 is an internationally-recognized standard for bodies certifying products, processes and services. It is the main source of criteria used to assess the SGCC® Certification Program and AMS, Inc. The standard specifies requirements that, according to ISO/IEC 17065:2012, "ensure that certification bodies operate certification programs in a competent, consistent and impartial manner...".

### **How will this affect my Certification?**

Accreditation of the SGCC® Certification Program and AMS, Inc. is the formal recognition that they have met strict requirements placed on them. This means that as a manufacturer, operator or provider of certified products, you can be sure that the SGCC® Certification Program is operated to some of the highest quality standards in the world. Because the SGCC® Certification Program and AMS, Inc. have always followed stringent guidelines there will be minimal changes to the certification program. When changes are necessary though, you will be notified in advance.

Though the SGCC® Certification Program requirements won't change much due to the accreditation, it does offer an opportunity for manufacturers to show conformance to an ANSI-Accredited certification program, an invaluable association to set you apart in the market. For more information, and restrictions and limitations, please contact AMS, Inc.

### **Disclaimers**

While there are significant benefits to being associated with this accreditation, accreditation doesn't mean that ANSI approves certified products, processes, or services of Licensees. In addition, the ANSI Accreditation symbol and ANSI logo are not permitted to be displayed on any product or its packaging.

### **Questions or Want to Learn More?**

If you have any questions or need additional information regarding any of the topics presented above, please feel free to contact AMS, Inc. at (315) 646-2234, or email us at [staff@amscert.com](mailto:staff@amscert.com).



**SGCC Certification Committee**

| <b>Licensee</b>                                  | <b>Primary Member</b> | <b>First Alternate</b> | <b>Second Alternate</b> |
|--------------------------------------------------|-----------------------|------------------------|-------------------------|
| 24 Hour Thermal Glass Insulated Ltd.             | Galo Narvaez          |                        |                         |
| A.L. Smith Glass Co. Inc.                        | Alton L. Smith Jr.    | Russel Hardy           |                         |
| A.N. ALODAN & SONS CO. GLASS & ALUMINIUM         | Dhanraj Singgh Parmar | Rakesh Kumar Pal       |                         |
| AAG-AI Abbar Architectural Glass                 | Jean Lelievre         | Ezhilenth Narayanan    |                         |
| Advanced Design Manufacturing                    | David Murry           |                        |                         |
| AGC Glass Company North America, Inc.            | Mark B. Cody          | Mark Ford              |                         |
| AGNORA LTD                                       | Jeff Wilkins          |                        |                         |
| AJJ Glass Products Co., Ltd                      | Lyon Ye               |                        |                         |
| Aldora Aluminum and Glass Products, Inc.         | Manny Valladares      |                        |                         |
| All Counties Glass Distributors                  | Dane Treiber          |                        |                         |
| All Team Glass & Mirror, Ltd.                    | Lee Timoll            | Joseph Montiano        |                         |
| All Weather Architectural Aluminum               | Bert DiMauro          |                        |                         |
| All Weather Tempering of Arizona, LLC.           | Alan Vasquez          |                        |                         |
| Allglass Tempering Inc.                          | Mariusz Lojowski      |                        |                         |
| Aluminum Manufacturers Co. Ltd - ALUMATEC        | Wassim Hashash        |                        |                         |
| Aluminum Technology Auxiliary Industries         | Suraj Thampi          |                        |                         |
| American Insulated Glass Inc.                    | Rick Freeman          |                        |                         |
| American Shower Door                             | Edward Perry          |                        |                         |
| Amsco Windows                                    | Joe Jonely            |                        |                         |
| Anthony International                            | Matt Rolek            | Don Sokol              |                         |
| Architectural Glass Products, LLC.               | Sharon Gambill        |                        |                         |
| Arlene Stained Glass & Door                      | Son Nguyen            |                        |                         |
| Arrow Mirror & Glass, Inc.                       | Joseph Kinsella       |                        |                         |
| Ascent Glass Products (Zhong Shan) Limited       | Yong Jian Huang       |                        |                         |
| ATI Windows                                      | Stephen Schwartz      |                        |                         |
| ATN Holding Inc.                                 | Rey Nea               |                        |                         |
| Basco Engineered Products                        | Dale Schmidt          | Gary Brown             |                         |
| Bazhou hua Biao Furniture Co., Ltd.              | Li Hui                | Lu Xiao Yong           |                         |
| Beijing Northglass Technologies Co. Ltd          | Kun Wang              |                        |                         |
| Beijing Wuhua Tianbao Glass Co.                  | Mr. Gao Hongwei       |                        |                         |
| Bel Pre Glassworks Inc.                          | Jeffrey James         |                        |                         |
| Bel Shower Door Corporation                      | Bill Sain             | Ryan Sain              | Bill Folino             |
| Bendheim Wall Systems                            | Robert Jayson         | Michael Tryon          |                         |
| Berkowitz J. E., LP                              | James Mooney          | Lance Hayes            |                         |
| Blue Star Glass Inc.                             | Melida Halkic         | Alex Oanono            |                         |
| Bronco Industries, Inc.                          | Bronson Lam           |                        |                         |
| BVGLAZING SYSTEMS                                | Mike Morgan           |                        |                         |
| C&C Custom Glass & Tempering, LLC                | Clark Robinson        |                        |                         |
| Cameron Glass, Inc.                              | John Alajaji          | Troy Gillion           |                         |
| Cardinal IG                                      | Bernie Herron         | Robert Grommesh        | DJ Weil                 |
| Carey Glass                                      | Michael Carew         |                        |                         |
| Cat-I Manufacturing, Inc.                        | Ryan O'Connell        | Travis Jaynes          |                         |
| Changshu Fardglass Co. Ltd.                      | Jiang Wei             |                        |                         |
| ChangShu Maybo Glass Co., Ltd.                   | Qian Lan              |                        |                         |
| Changshu Weier Glass Products Co. Ltd.           | Denise Weier          | Denise Lu              |                         |
| Changshu Xingfu Glass Building Material Co., LTD | Zhong Chun            |                        |                         |
| Changshu ZhongCheng Building Materials Co., Ltd. | Lisa Lee              |                        |                         |
| Changshu Zhouxing Glass Co. Ltd.                 | Xiaodong Qian         |                        |                         |
| Chicago Tempered Glass, Inc.                     | Adam Kaczynski        |                        |                         |
| Chongqing SYP Engineering Glass Co., Ltd.        | Gao Jun Ying          |                        |                         |
| Classy Glass Specialties Co., Ltd                | Wang Hongmei          |                        |                         |



**SGCC Certification Committee**

| <b>Licensee</b>                                    | <b>Primary Member</b> | <b>First Alternate</b> | <b>Second Alternate</b> |
|----------------------------------------------------|-----------------------|------------------------|-------------------------|
| Clear Lite DBA Innovative Glass Products LLC       | Scott Sherwin         |                        |                         |
| Cleer Vision Tempered Glass                        | Tim Widner            |                        |                         |
| Clinton Glass Company                              | Kim Stowell           | Gregory Stowell        |                         |
| Colorkote CT, LLC                                  | Douglas Schulman      |                        |                         |
| Columbia Commercial Bldg Prod.                     | Bob Taylor            | Steve Burns            |                         |
| Comercial Dialum SA                                | Oscar Zavala          | Reynaldo Delgado       |                         |
| Commercial Insulating Glass Co.                    | Jeff Winsler          | Tom Willey             |                         |
| Compagnie de Portes Énergétique EDC                | Vincent Cormier       | Nancy Payette          |                         |
| Consolidated Glass and Mirror, LLC                 | Melissa Matyniak      | Mitch Edwards          |                         |
| Consolidated Glass Corp.                           | Shane Merryman        | Louis Merryman         |                         |
| Contour Industries, Inc.                           | Geoffrey Davis        | David Tomlinson        |                         |
| Contract Glass                                     | Bill Crawford         |                        |                         |
| Contractors Wardrobe                               | Jack Violante         |                        |                         |
| Coral Industries Glass Division                    | Eric Fleming          | Lance Hammond          |                         |
| Cristacurva                                        | Jose Israel Perea S.  |                        |                         |
| Cristec Glass S.L.                                 | Jaume Planes Olives   |                        |                         |
| Crystal Art Glass Inc.                             | ZongYing Xu           | Bin Gu                 |                         |
| Crystal Tempering, Inc.                            | Jose Hernandez        | Michelle Hernandez     |                         |
| CS ECO Glass (M) Sdn Bhd                           | Zhang Xiaojun         |                        |                         |
| Curved Glass Creations, LLC                        | Walter Kuenzle        | Rosemarie Kuenzle      |                         |
| Custom Glass Products Inc.                         | Eric Reeder           |                        |                         |
| Custom Glass Solutions Millbury Corp               | Wayne Griffin         | Laura Traver           |                         |
| D3 Glass, LLC                                      | Doug Daubmann         |                        |                         |
| Dalian Dongsong Tempered Glass Products Co., Ltd   | Yu Yingjuan           |                        |                         |
| Dalian Huaying Glass Limited Liability Co.         | Stephanie Shi         |                        |                         |
| Dalian Yihai Safety Glass Science & Technology Co. | Doris Dong            |                        |                         |
| Dallas Flat Glass Distributors, Inc.               | Tom Holman            |                        |                         |
| DDG Glass Manufacturing SDN BHD                    | Paul Nicholas         |                        |                         |
| Denver Glass Interiors, Inc.                       | David Uhey            |                        |                         |
| Deqing Sanxing Plastic Chemical Co. Ltd.           | Yang Min              |                        |                         |
| Deyao Glass Products (Zhongshan) Co., LTD          | Liu Wei               |                        |                         |
| Diamond Sea Glaze                                  | Mark Chesley          |                        |                         |
| Dillmeier Enterprise, Inc.                         | Cody Tran             |                        |                         |
| Dolphin Glass Specialists, LLC                     | Jose Prieto           |                        |                         |
| DongGuan CSG Architectural Glass Co., Ltd.         | Yu GuangHui           |                        |                         |
| Dongguan Dongfa Glass Product Co., Ltd             | Shenwen Li            |                        |                         |
| Downey Glass Industries, LLC                       | Hugh Higgins          |                        |                         |
| Eagle Glass & Mirror                               | Ryan Bumgarner        |                        |                         |
| Echols Glass and Mirror, Inc.                      | Ron Echols            |                        |                         |
| Eckelt Glas GmbH                                   | Christian Eckelt      |                        |                         |
| ECO Glass                                          | Samuel Bravo          | Jeanie Gutierrez       |                         |
| Edge Tempering                                     | Renildo Orduna        |                        |                         |
| EFCO Corporation                                   | Tim Fikkert           | Jeff Campbell          |                         |
| EFI                                                | Kenny McCutcheon      |                        |                         |
| Engineered Glass Products, L.L.C.                  | Melissa Matyniak      | Mitch Edwards          | Lurania Rollins         |
| Fairis C.A.                                        | Jorge Jaramillo       |                        |                         |
| Flat Glass Distributors, Inc.                      | Doug Lewis            |                        |                         |
| Flat Glass Group Co., Ltd.                         | David Wei             | Li Chunpeng            |                         |
| Foshan Gaoming Yaqi Toughened Glass                | Mr. Chen Liangwen     |                        |                         |
| Foshan Nanhai Yaoxiang Glass Product Co. Ltd.      | Mai Yao Dong          |                        |                         |
| Foshan Super Glass Industrial Company Limited      | Zhan Liang            |                        |                         |

**SGCC Certification Committee**

| <b>Licensee</b>                                     | <b>Primary Member</b>   | <b>First Alternate</b> | <b>Second Alternate</b> |
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| Foshan YC Glass Co., Ltd.                           | Wendy Wu                |                        |                         |
| Foshan ZhongKang YiMeiJia Glass Co. Ltd.            | Jason Zeng              |                        |                         |
| Fountain Glass Inc.                                 | Anthony de le Fuente    | Julie A Kessler        |                         |
| Fujian Chengda Glass Co., Ltd                       | Wendy Chen Wei          | Teresa Lin Bishan      |                         |
| Fujian Xihe Sanitary Ware Technology Co., Ltd       | Hunter Hao              |                        |                         |
| Galaxy Glass & Stone                                | Eugene Negrin           | John O'Keefe           |                         |
| Garibaldi Glass Ind. Inc.                           | Liviu Bocsanu           | Nick Meissner          |                         |
| GELI Glas, Energieeffizienz und Lichtdesign Ilmenau | Bernd Heuberger-Bachert |                        |                         |
| General Glass                                       | Greg Bakken             |                        |                         |
| GGI Glass Distributors Corp.                        | Christina Antunes       | David S. Balik         |                         |
| GLASPRO                                             | Rafael Perez            |                        |                         |
| Glass and Mirror Craft                              | Larry Abramowski        |                        |                         |
| Glass Depot Inc.                                    | Martha Rosa             |                        |                         |
| Glass Design of Miami, Inc.                         | Ernesto Garcia          |                        |                         |
| Glass Enterprises Inc.                              | Joshua Burg             |                        |                         |
| Glass Global Distributors LLC                       | Diego Vargas            | Douglas Morales        |                         |
| Glass Outlet BNE Pty Ltd.                           | Haitao Du               |                        |                         |
| Glassbel Baltic JSC                                 | Romas Zvirzdinas        |                        |                         |
| GlasseViracon                                       | Renato Santana          |                        |                         |
| GlassFab Tempering Services, Inc.                   | Brian Frea              |                        |                         |
| Glasswerks LA, Inc.                                 | Robert Mastrapa         |                        |                         |
| Glaz-Tech Industries, Inc.                          | Bill Folino             |                        |                         |
| Glenny Glass Co.                                    | Braxton Smith           |                        |                         |
| Global Security Glazing                             | Mark Johnson            |                        |                         |
| Global Tempering, LLC                               | Luis Camilo Fernandez   |                        |                         |
| GnT Glass Co., Ltd.                                 | Hao Bing Tian           |                        |                         |
| Goldray Industries Ltd.                             | Cathie Saroka           | Mike Saroka            |                         |
| Great Day Improvements, LLC                         | Kent Nusser             | Craig Cox              |                         |
| Griffin Glass & Metal Werks, Inc.                   | John Metz               |                        |                         |
| Grupo Vidrios el Castillo                           | Carlos Benet Trad       | Gabriel Howerton       |                         |
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| Guangdong South Star Glass Limited                  | Li Hailin               |                        |                         |
| Guangdong Yingxing Special Glass Technology Dev     | He Li                   |                        |                         |
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| Guardian IG LLC                                     | Melissa Matyniak        | Mitch Edwards          |                         |
| Guardian VIG, LLC                                   | Melissa Matyniak        | Mitch Edwards          |                         |
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| Hoskin & Muir, Inc. dba Cardinal Tempering          | Jared Ross              | George Rufra           |                         |
| Huachuang Longfei Glass Co., Ltd.                   | Xu Shida                |                        |                         |
| Huahui Glass (China) Co., LD                        | Dong Shui Huang         | Wenjun Huang           |                         |
| Industrial Tempering Glass                          | Alexander Weinberger    |                        |                         |
| Industries Vanier Inc.                              | Steve Ouellet           |                        |                         |
| Inkan Ltd                                           | Kevin Duke              | Tom Duke               |                         |
| Innovative Glass of America, Inc.                   | Louie Dean              |                        |                         |
| Insulite Glass Co., Inc.                            | Larry Vasholz           |                        |                         |
| Integral Seal Mfg. Inc.                             | Ben Nayot               |                        |                         |
| Integrity Glass Tempering, LLC.                     | Ebbie Mogford           |                        |                         |
| Inter Fonction Ltee                                 | Johanne Tousignant      | Ian Tardif             |                         |
| Interglass Corp                                     | Miguel Juliao           |                        |                         |
| Intex Glass (Xiamen) Co., Ltd.                      | Andy Yu                 | Ms. Wendy Zhong        |                         |
| Intigral                                            | Mark Hutchinson         | Ed Hetrick             |                         |

*SGCC Certification Committee*

| <b>Licensee</b>                            | <b>Primary Member</b>  | <b>First Alternate</b> | <b>Second Alternate</b> |
|--------------------------------------------|------------------------|------------------------|-------------------------|
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| J.C. Moag Corporation                      | Cameron Moag           | Alex Acevedo           |                         |
| Jiangyin Haitong Glass Technology CO., LTD | Alex Wu                | Neil Wang              |                         |
| Jiangyin Mingyang Glass Production         | Ms. Wang Lijuan        |                        |                         |
| Jiaxing Joinbath Corporation               | Mr. Chaunping Zhang    |                        |                         |
| Jinzhou Fortune Spring Glass Co., Ltd.     | Li Ma                  | Pengtao Zhang          |                         |
| JM Glass                                   | Mayreni Morales        | Jose Morales           |                         |
| JYC Glass Co. Ltd.                         | Li Xiang Sheng         |                        |                         |
| Kensington Glass Arts                      | David Stone            |                        |                         |
| Kohler Company                             | Matt Wright            | Doug Glisson           | Buddy Thompson          |
| La Tecnica Nel Vetro SpA                   | Michele Inserra        | Roberta Sammarco       |                         |
| Lamiver Inc.                               | Martin Cormier         | Annie Cormier          |                         |
| LandGlass Technology Co., LTD              | Yanbing Li             |                        |                         |
| Les Verres VMIK Inc.                       | Patrick Caya           |                        |                         |
| LTI Smart Glass, Inc.                      | Christoper Kapiloff    |                        |                         |
| M Industria S.A. DE C.V.                   | Mauricio Millet Medina | Juan Polanco           | Ricardo Tonueyo         |
| M&M Tempering Inc.                         | Joseph L. Stevens      | Jenny Stevens          |                         |
| M3 Glass Technologies                      | Chris Mammen           |                        |                         |
| Manko Window Systems- CO                   | Matthew Hoyt           |                        |                         |
| Manko Window Systems- IA                   | Kevin Tyson            |                        |                         |
| Manko Window Systems- KS                   | Kevin Dix              |                        |                         |
| Maryland Glass & Mirror                    | Matthew Dalbke         |                        |                         |
| McGrory Glass                              | Gary McGrory           |                        |                         |
| Mercer Glass Fab LLC                       | Don Bielawski          |                        |                         |
| Mid-American Glass, Inc.                   | Michelle Magyar        |                        |                         |
| Midwest Glass Fabricators Inc.             | Patrick Iaquinto       |                        |                         |
| Milgard Tempering                          | Oscar Alarcon          | Eric Yarbrough         |                         |
| Mr. Glass Tempering, LLC                   | Robert Liao            | Raymond Gao            |                         |
| Nashville Tempered Glass Corp.             | Bernard Bossuah        | Richard Paschel        |                         |
| New Angle Beveling                         | Marc Martell           |                        |                         |
| New Century Glass & Aluminum LLC           | Jason Cao              |                        |                         |
| Ningbo Xinxin Glass Technology Co., Ltd    | Jessee Wu              |                        |                         |
| Northeast Building Products                | Buddy Grater           | Leonard Ford           |                         |
| Northwestern Glass Fab                     | Stan Muriska           |                        |                         |
| Northwestern Industries, Inc- Yuma, AZ     | John Butler            |                        |                         |
| Northwestern Industries, Inc.- Seattle, WA | Tammy Nguyen           | Henry Heiss            |                         |
| Novatech Canada Inc.                       | Nadine Tardif          |                        |                         |
| NY Tempering LLC                           | Haidong Weng           |                        |                         |
| NYC Glass Corp                             | Janey Rush             | Gloria Lewis           |                         |
| Oldcastle BuildingEnvelope®                | Rick Wright            | Robert Williams        |                         |
| Onyx Solar Energy, S.L.                    | Alvaro Beltran         |                        |                         |
| Panoramic Doors LLC                        | Tony Bettencourt       |                        |                         |
| Paragon Tempered Glass                     | Barry DeLong           | T. Copsey              |                         |
| Patriot Armored Systems, LLC               | Michael Bianco         |                        |                         |
| Pennsylvania Insulating Glass              | Tim Wilkins            |                        |                         |
| Penta Glass Ind. Inc                       | James Huddleston       |                        |                         |
| Perficom S.A. DE C.V.                      | Enrique Presa          |                        |                         |
| PFG Glass Industries                       | Steve Nielsen          |                        |                         |
| PGT Industries                             | Rod Hershberger        |                        |                         |
| Phoenicia Flat Glass Industries            | Mario Resch            |                        |                         |
| Pietta Glass Working Srl                   | Sorin Nitescu          | Cristina Dragoiu       |                         |

***SGCC Certification Committee***

| <b>Licensee</b>                                     | <b>Primary Member</b>        | <b>First Alternate</b> | <b>Second Alternate</b> |
|-----------------------------------------------------|------------------------------|------------------------|-------------------------|
| Pilkington Architectural                            | Andy McDowell                | Mike Davidson          |                         |
| Poma Glass & Specialty Windows Inc. dba AGC Gla     | Mark Cody                    | Mark Ford              |                         |
| Portland Glass Manufacturing                        | Dave Campbell                |                        |                         |
| Precision Glass Bending Corporation                 | Russell Alder                |                        |                         |
| Precision Glass Industries                          | Kevin Waller                 | Lance Hamilton         |                         |
| Prelco Inc.                                         | Stephane Mercier             |                        |                         |
| Premier Glass Products                              | Seth Jones                   |                        |                         |
| PRESS GLASS SA                                      | Adam Wierzbowski             |                        |                         |
| Press Glass, Inc.                                   | Conrad Lankford              | Mike Lankford          |                         |
| PRL Glass Systems                                   | Ruben Gallegos               |                        |                         |
| Productora y Distribuidora de Espejos S.A. de C.V.  | Jose Natividad Gonzalez Maiz |                        |                         |
| Productos De Valor Agregado en Cristal S.A. de C.V. | Edgar Valverde Chong         | Jaime Guzman Salazar   |                         |
| Produits Verriers International Inc.                | Victor Scherer               |                        |                         |
| ProTemp Glass, Inc.                                 | Silvio Tuffolo               | Vee Shivprasad         |                         |
| PT Abebersa Pratama                                 | Mahud Halim                  |                        |                         |
| Pulp Studio, Inc.                                   | Bernard Lax                  |                        |                         |
| Qianse Acrylic Co., LTD.                            | Spring Liang                 |                        |                         |
| Qingdao Apis Glass Industries Co. Ltd.              | Fei Zhang                    |                        |                         |
| Qingdao Ideal Building Material Co. Ltd.            | Yan Feng                     |                        |                         |
| Qingdao Jinjing Co., Ltd.                           | Pang Gang                    | Mark Wang              |                         |
| Qingdao Laurel Glass Technology Co., Ltd            | Bruce Jia                    |                        |                         |
| Qingdao Oriental Brother New Energy Technology C    | Wang Zhibo                   | Zhang Fei              |                         |
| Qinhuangdao Ampac Building Products Co., Ltd.       | Gwang H. Park                |                        |                         |
| Qinhuangdao Boye Glass Co., Ltd.                    | Zhang Lili                   |                        |                         |
| Qinhuangdao Jingxin Glass Co., Ltd.                 | Dongsheng Yan                | Cindy Sun              |                         |
| Qinhuangdao Mingjingyuan Safety Technology Glass    | Gavin Pan                    |                        |                         |
| Qinhuangdao Qicaishi Glass Processing Co., Ltd.     | Linda Qin                    | Cindy Sun              |                         |
| Qinhuangdao Rongsheng Glass Processing Co., Ltd.    | Ms. Cheng Na                 |                        |                         |
| QinHuangDao Tianrui Tempered Technology Glass       | Yanjun Zhu                   | Zhu YanJun             | Cheng Yi Bin            |
| Quaker Window Products, Inc.                        | Curtis Weavers               |                        |                         |
| Quality Enclosures Tempering, Inc.                  | Marvin Aguilar               |                        |                         |
| Quality Enclosures, Inc.                            | Michael Schwartz             |                        |                         |
| Quality Glass & Mirror, Inc.                        | Tom Markowski                |                        |                         |
| Quest Window Systems                                | Daniel Zalcman               |                        |                         |
| R.I.W. Ornamental Metal, Inc.                       | ilija Rokvic-Rocky           |                        |                         |
| Ready Glass & Mirror, Inc.                          | Silverio Perez               |                        |                         |
| Reem Emirates Aluminum & Glass                      | Hamed Hussein                |                        |                         |
| Right Away Glass, Inc.                              | Carlos Perez                 |                        |                         |
| Rizhao Huaye Glass Co., Ltd.                        | Alex Yin                     | Grant Lee              |                         |
| Robover Inc.                                        | Alain Fortin                 |                        |                         |
| Rohden Vidros LTDA                                  | Edilene Kniess               | Lenuir Kniess          |                         |
| SAAND Inc.                                          | Paul Ferguson                | Steve Callahan         |                         |
| SAGE Electrochromics Inc.                           | Chuck Hayes                  | Dianne Dahl            |                         |
| Saint Gobain Mexico, S.A. de C.V.                   | Alberto Boix                 | Carla Sahagun          |                         |
| Saint-Gobain Glassolutions Objekt-Center GmbH       | Sven Toennigs                |                        |                         |
| Sapphire Glass Systems Inc.                         | Ekrem Kaya                   | Ahmet Halac            |                         |
| Saudi American Glass Company                        | Geoff Sparks                 |                        |                         |
| SCHOTT Gemtron - Sweetwater                         | Beena Walker                 | Jack Francis           |                         |
| SCHOTT Gemtron (Canada) Corporation                 | Bill Bartlett                | Bruce Busch            |                         |
| Selective Shower Glass                              | Fabio Castiblanco            |                        |                         |
| Senneca Holdings Inc, (Thermoseal Brand)            | Joseph Sokalski              |                        |                         |

**SGCC Certification Committee**

| <b>Licensee</b>                                   | <b>Primary Member</b>    | <b>First Alternate</b>    | <b>Second Alternate</b> |
|---------------------------------------------------|--------------------------|---------------------------|-------------------------|
| Sfera SRL                                         | Vianello Elio            |                           |                         |
| SG Glass Industries L.L.C.                        | Oscar Garcia             |                           |                         |
| SGC International Inc.                            | James Huang              |                           |                         |
| Shandong Kingtom Glass Co., Ltd.                  | Tao Zhenmin              |                           |                         |
| Shanghai Yaohua Pilkington Glass Group Co., Ltd.  | Dr. Sun Da Hai           |                           |                         |
| Shanghai Zhenzhen Glassware Co., LTD.             | Brian Y. L. Chong        |                           |                         |
| Shape Products LLC.                               | Brian Bradford           |                           |                         |
| Shenzhen Sun Global Glass Co., Limited            | Zhang Guanghui           |                           |                         |
| Shixing Glass (Fujian) Co., Ltd.                  | Zou Xiangjun             |                           |                         |
| Shower Doors & More Inc.                          | Page Giacin              | Larry Giacin              |                         |
| Sichuan CSG Energy Conservation Glass Co., Ltd.   | Liu Song                 |                           |                         |
| Sierra Glass Distributors                         | Jack Baum                |                           |                         |
| SIGCO, Inc.                                       | David A. McElhinny       | Jason Tardiff             |                         |
| Simonton Windows                                  | Tina Seese               | Steven Saffell            |                         |
| Sky Land Tempering Glass Corp                     | Ricky Zeng               |                           |                         |
| Skyline Design                                    | David Wildfield          |                           |                         |
| Solar Seal Company-MA                             | Jim Miller               |                           |                         |
| Solar Seal Company-VA                             | Jim Miller               |                           |                         |
| South Bay Showers, Inc.                           | Michael Sutton           |                           |                         |
| Specialty Glass                                   | David Bazzano            | Chris Cotton              |                         |
| Standard Bent Glass                               | Timothy Moore            |                           |                         |
| Stargrup Cam A.S.                                 | Emrah Arslankara         |                           |                         |
| Sterling Mirror Company, LLC                      | Michael Kaperst          | John King                 |                         |
| Strong Tempering Glass Industry LLC               | Mark Chen                |                           |                         |
| Sunfire Glass, Inc.                               | Dennys Fernandez         |                           |                         |
| Swift Glass Co., Inc.                             | Daniel J. Burke          | Kathleen B. Schweizer     | Charles Burke           |
| Syracuse Glass Co., Inc.                          | John Dwyer               |                           |                         |
| Tacoma Glass Mfg. Inc.                            | Tim Conroy               |                           |                         |
| Tai Shan City Da Heng Art Glass Ltd.              | Liu Woxian               |                           |                         |
| Tai Sheng (Dong Guan)Glass Co.,Ltd                | Zhibing Liu              |                           |                         |
| Taiwan Glass USA Sales Corp.                      | Peter Chen               |                           |                         |
| Tangshan Qimingxing Glass Deep-processing Co., Lt | Cindy Sun                | Li Yan Feng               |                         |
| Techni-Glass, Inc.                                | Pat Murphy               | Jason Hooven              |                         |
| Tecnoglass S.A.                                   | Christian Daes           | Diana Lohrer              |                         |
| Tecnovidrio S.A. de C.V.                          | Ricardo Aguilar Martinez | Sara Ivonne Penaloza Ruiz |                         |
| TEMCOR S. DE RL DE CV                             | Genaro Cortez            |                           |                         |
| Temp Glass Inc.                                   | Sigfrido Martinez        |                           |                         |
| Tempco Glass and Fabrication, LLC                 | Michelle Pascal          |                           |                         |
| Templado USA Glass & Aluminum Products            | Mauricio Quintero        |                           |                         |
| Templados Del Centro SA DE C.V.                   | Susana Jaramillo Vazquez |                           |                         |
| TG Taicang Architectural Glass Co. Ltd            | Melody Bi                |                           |                         |
| The Original Frameless Shower Door                | John Serino              |                           |                         |
| Thermal Seal Insulating Glass                     | Ann Oliveira             |                           |                         |
| Thermalsun Glass Products                         | Brad Kloes               |                           |                         |
| Thermo BSL                                        | Pierre-Luc Bellavance    | Mario Roy                 |                         |
| Thompson I.G. , LLC.                              | Dale Houck               |                           |                         |
| Tianjin CSG Energy Conservation Glass Co., LTD    | Zaida Liu                |                           |                         |
| Tianjin Northglass Industrial Technical Co., Ltd. | Zhang Xue                | Anna Wu                   |                         |
| TRACO (Three Rivers Alum)-PA                      | Frank Hayson             |                           |                         |
| Tristar Glass, Inc.                               | Tim Kelley               |                           |                         |
| Triton Glass LLC                                  | Sahaj R. Patel           |                           |                         |

**SGCC Certification Committee**

| <b>Licensee</b>                                       | <b>Primary Member</b>   | <b>First Alternate</b> | <b>Second Alternate</b> |
|-------------------------------------------------------|-------------------------|------------------------|-------------------------|
| Triview Glass Industries                              | Alex Kastaniuk          |                        |                         |
| Troy Systems LLC                                      | Ali Guney               |                        |                         |
| Trulite Glass and Aluminum Solutions                  | Jeff Haberer            | Adrian Casas           |                         |
| TVITEC System Glass, S.L.                             | David Lopez             | Ms. Alexandra Gonzalez |                         |
| Tweddell's Inc.                                       | Corey Myer              | Ed Blair               |                         |
| U.S. Glass Distributors Inc.                          | Franco Alfano           | David Jaskulski        |                         |
| Ungari Investments, LLC. (dba S.F. Tempering)         | Jorge Ontiveros         | Salva Sorka            |                         |
| Uniglass                                              | Shakil Ahmed Khan       |                        |                         |
| United Plate Glass Co., Inc.                          | Darin Vietmeier         |                        |                         |
| Unitex Glass Chengdu Co., Ltd                         | Andy Yu                 | Chen Xinhua            |                         |
| Upstate Glass Tempering Inc.                          | David Chavoly           | Allen Gottlieb         |                         |
| US Glass Tempering Inc.                               | Anil Kumar              | Sid Dhir               |                         |
| Val y Val SA de CV                                    | Jorge Aviles            |                        |                         |
| Valentini Glass & Components srl                      | Claudio Valentini       |                        |                         |
| Vidrio Bisel S.A. de C.V.                             | Ignacio Flores Suarez   |                        |                         |
| View Inc.                                             | Joe Crouson             |                        |                         |
| Viracon Inc.                                          | Brian Louks             | Don Boutelle           |                         |
| Virginia Glass Products Corp.                         | W. Chris Beeler         | Rodney Keatts          |                         |
| Vistamatic, LLC                                       | Kevin Roth              |                        |                         |
| Vitelsa Mosquera S.A.                                 | Laura Luna              |                        |                         |
| Vitemex                                               | Edgar Alonso de la Cruz |                        |                         |
| Vitra Vidrios Transformados SA de CV                  | Miguel Larach           |                        |                         |
| Vitro Flat Glass, LLC (formerly PPG)                  | Kevin Ramus             | Wayne Boor             |                         |
| Vitrum Industries Ltd.                                | Adriano Harary          | Sunny Chahal           |                         |
| Viwinco, Inc.                                         | Michael Duncan          | Mr. Kim Hammerschmidt  |                         |
| W. A. Wilson Inc.                                     | Robert Hartong          |                        |                         |
| W.C.P., Inc dba West Coast Insulated Glass Product    | Rusty Neubauer          |                        |                         |
| WGM Fabricators, LLC                                  | Joshua Foster           |                        |                         |
| Whalley Glass Co                                      | Mark Vece               |                        |                         |
| White Aluminium Enterprises L.L.C                     | Jabr Doshan             |                        |                         |
| Wholesale Glass Distributors, Inc.                    | Kevin Boudreaux         |                        |                         |
| Window Technologies, Inc.                             | Michael Castleberry     |                        |                         |
| Wisconsin Shower Door & Supply Corp                   | Chuck Biesik            | James Kinsey           |                         |
| Wolverine Glass Products, Inc.                        | Terry Foust             |                        |                         |
| WSD Glass, Inc.                                       | Gary Reece              |                        |                         |
| Wujiang CSG Huadong Architectural Glass Co., LTD      | Yu Jinhui               |                        |                         |
| Wujiang Golden Glass Technologies, Ltd.               | Wu Cong Zhen            |                        |                         |
| Xiamen Togen Building Products Co., Ltd.              | Lemon Ren               |                        |                         |
| Xianning CSG Energy Conservation Glass Co., LTD.      | Ms. Yu Jiao             |                        |                         |
| Xinyi Glass (Yingkou) Co., Ltd.                       | Zeming Wang             |                        |                         |
| Xinyi Group (Glass) Co. Ltd.                          | Janette Huang           | Ms. Cherry Li          |                         |
| Yitian (Cattis) Glass Product Co., Ltd                | Xiaojun Zheng           |                        |                         |
| Yong Feng Tai Foshan City Glas Co., LTD.              | Aijun Zhong             |                        |                         |
| Zhangjiagang City Daming Glass Product Co., Ltd       | Xiao Ruijuan            |                        |                         |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.          | Mr. Xu Zhengdong        |                        |                         |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Ms. Meng Qingxian       |                        |                         |
| Zhongshan Fuan Glass Co., Ltd.                        | Mr. Hu Guoqiang         |                        |                         |
| Zhongshan Walle Glass Product Co., Ltd                | Yilan Liu               |                        |                         |

*SGCC Certification Committee*

| Licensee | Primary Member | First Alternate | Second Alternate |
|----------|----------------|-----------------|------------------|
|----------|----------------|-----------------|------------------|

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**Certification Committee Chairman - Mark Cody**

**Member by virtue of being a director**

|                 |                  |
|-----------------|------------------|
| Public Interest | William Nugent   |
| Public Interest | Elaine Rodman    |
| Public Interest | June Willcott    |
| Public Interest | Peter Weismantle |
| Glasstech, Inc  | Norman Nitschke  |
| Public Interest | Patrick Loughran |



January 2019

Revised 10/1/2014

**~PROGRAM CONCEPT~**

The Safety Glazing Certification Council (SGCC®) is a non-profit corporation, established in 1971 by manufacturers of safety glazing products, building code officials, and others concerned with public safety.

The purpose of SGCC is:

- (a) To promote public safety by encouraging maintenance of the highest standards of excellence in the manufacture of safety glazing materials.
- (b) To encourage and cooperate in developing standards related to other performance characteristics of glazing products.
- (c) To plan, organize, direct, coordinate and maintain a certification program for glazing materials to assure that glazing products meet applicable standards or performance requirements adopted or approved by the Council.

SGCC® maintains a program which provides for the certification of safety glazing materials found to be in compliance with one or more of the following specifications:

American National Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test: ANSI Z97.1-2015.

Consumer Product Safety Commission Safety Standard for Architectural Glazing Materials - codified at Title 16, Part 1201 of the Code of Federal Regulations: 16 CFR 1201

National Standard of Canada - Tempered or Laminated Safety Glass: CAN/CGSB 12.1-2017

These specifications subject safety glazing materials, used in buildings and architectural products, to practical tests designed to reduce or eliminate unreasonable risk of death and injury when safety glazing material is broken by human contact.

The specification(s) to which a safety glazing material is certified by SGCC®, is at the direction of the licensee.

SGCC® responsibilities are threefold: to conduct an independent routine sampling and testing program; to approve the form of a licensee's label; and to withdraw the licensee's authority to use that label if certified products do not meet specification(s).

Management and control of SGCC® is vested in a board of directors, half representing industry and half representing the public interest. To prevent industry dominance of SGCC® actions, half the voting power of the board resides in the public interest directors regardless of the number of directors present at a meeting.

The certification program uses approved testing laboratories under the supervision of a qualified Administrator, retained by and responsible to SGCC®, who is unaffiliated with any licensee of safety glazing materials.

The licensee of a product listed in this directory has certified that the labeled material complies with the applicable specification(s). Compliance of a certified product with the applicable specification(s) is checked periodically by an approved testing laboratory under the supervision of SGCC®.

All manufacturers of safety glazing products are eligible and encouraged to apply for SGCC® certification. Products may also be licensed by non-manufacturers. (See "Who Can Become a Licensee") However, products are not certified until a test to the applicable specification(s) conducted at an approved testing laboratory indicates compliance, the SGCC® certification invoice is paid, and SGCC® License Agreements are properly executed.

Once certified by SGCC®, a product is assigned an exclusive certification number to identify it and the plant at which it is made. After which, to ensure continued adherence to the specification(s), SGCC® independently

selects, at least twice in each year, samples during visits to the manufacturing plant or randomly from the market place to be tested to the applicable specification(s). Consequent to a test result showing compliance with the applicable specification(s) SGCC® authorizes the continued use of the certification number and the product listing in this directory.

This directory is divided into three basic listings: the first is by numerical sequence of certified product numbers listing the licensee holding that number; the second is of manufacturing licensees listed alphabetically by plants and the approved products manufactured at those plants; the third is by product type listing all licensees and locations approved for each product type. The Table of Contents lists various procedural and administrative information, as well as information as to where officers and directors may be located. Upon request, information from SGCC® concerning a statement of procedures or copies of minutes are available to manufacturers, public interest groups, and individuals.

**~PROCEDURAL GUIDE~ (SD-07)**

**FOREWORD**

The acceptance of a certified safety glazing material comes from the conviction such certification assures a high level of safety and quality, and that the integrity of the identifying mark or certification label is reliably maintained by a competent certifying agency.

ANSI Z97.1, 16 CFR 1201, and CAN/CGSB 12.1 all provide sound technical basis for a high level of safety. With the addition of independent administration, plus periodic routine sampling and product evaluation, a program of product certification is maintained which provides an independent third-party certification and testing program. The Certification Program described herein is predicated upon the concept of independent and impartial administration of the certification procedures which are incorporated in the SGCC® License Agreement.

The SGCC® License Agreement is the governing document for the operation of the Certification Program. The Procedural Guide, which is not an extension of this document, is for information and guidance and serves to describe administrative procedures and to ensure the uniform and equitable operation of the Certification Program.

**GENERAL INFORMATION**

**THE CERTIFICATION CONCEPT**

The SGCC® Certification Program is based on the conviction no standard of safety or quality is good without the continuous adherence of the licensees' certified products to that standard.

To buyers, specifiers, code officials and users, the SGCC® certification label offers the licensee assurance his safety glazing material has been produced in conformance to ANSI Z97.1 and/or 16 CFR 1201 and/or CAN/CGSB 12.1.

Federal law, many state statutes, municipal ordinances, and building codes require glazing materials installed in certain defined locations comply with ANSI Z97.1 and/or 16 CFR 1201 and/or CAN/CGSB 12.1.

**WHO CAN BECOME A LICENSEE? (Revised 10/14/2016)**

Any manufacturer of safety glazing materials is eligible, on a voluntary basis, to become a licensee. A manufacturer is the entity who fabricates, constructs, treats, or combines glazing materials with other materials to make a final safety glazing material.

**WHO CONDUCTS THE PROGRAM?**

The Safety Glazing Certification Council, a non-profit corporation, is the sponsor of the Certification Program. SGCC® supervises the Certification Program under which its Administrator periodically checks and reports compliance of the products having the SGCC® certification label with the requirements of ANSI Z97.1 and/or 16 CFR 1201 and/or CAN/CGSB 12.1.

**ADMINISTRATION**

Administrative Management Systems (AMS), is the independent Administrator of the Certification Program. AMS maintains the SGCC® office of certification and conducts the routine day-to-day business. All transactions are done in the name of SGCC®.

**HOW CAN YOU BECOME A LICENSEE?**

The following must be accomplished before SGCC® can certify an item of safety glazing material:

- a) (i) The applicant signs the SGCC® License Agreement and emails it to SGCC®. SGCC® will countersign all copies and return one to the applicant. Non-manufacturing applicants applying on

behalf of a manufacturer must include the location and appropriate signatures of their manufacturer for each location. (Revised 9/19/2017)

- (ii) The applicant must complete the SGCC® Application, which includes all of the necessary information for the safety glazing product(s) and return to SGCC®. (Added 7/1/2016)
- b) The applicant directs an SGCC® approved testing laboratory, of its own choosing, to send SGCC® one copy of a valid test report indicating the “initial” or “prototype” samples submitted for testing are in full and complete compliance with ANSI Z97.1 and 16 CFR 1201 and/or CAN/CGSB 12.1. Reports shall only be accepted directly from SGCC® Approved independent laboratories. **Test reports are valid for initial certification if the report date is within 60 days.** (Revised 9/19/2017)
- c) The applicant sends to SGCC® the certification fee for each item to be certified. (Revised 11/4/2015)
- d) (Deleted 10/21/2007)
- e) If the Licensee has certified product with SGCC during the prior 24-month period and has had all products decertified by SGCC or has voluntarily decertified all products, an audit must be performed by the Administrator’s representative and any corrective actions resulting from such audit resolved (Added 9/19/2017)

Having received all of the above items, SGCC® sends to the licensee the notice of product certification which includes an SGCC® certification number. This number must be incorporated into the permanent label affixed to each piece of certified safety glazing material. The certified item will be listed in the next edition of the Certified Products Directory.

### **QUALITY ASSURANCE PROGRAM (Revised 10/4/2018)**

SGCC® requires licensees to have a working quality assurance program for the fabrication of safety glazing. Compliance to quality assurance requirements will be validated at the first plant inspection after products are certified. Adherence is verified during twice per year plant visits. These requirements were adopted to improve the overall quality and reliability of safety glazing products in the program. These requirements are in addition to the ANSI, CPSC and CAN/CGSB 12.1 compliance testing required by the SGCC® certification program. The intent is to enhance the quality of products produced in the interim production periods between test cycles. Although a quality assurance program is a fundamental element of good fabrication practices, only successful testing to ANSI Z97.1, 16 CFR 1201 or CAN/CGSB 12.1 is valid proof of compliance with these standards. A licensee’s quality assurance program, as a minimum, must have the following elements:

- 1) A Quality Manual – a document that identifies, describes and contains the workings of the quality system.
- 2) A quality system representative – the designated point of contact for the quality system.
- 3) Production testing:
  - a. Test procedures
    - i. Tempered
      - 1. Center punch test and/or impactor test (For example ANSI Z97.1)
    - ii. Laminated (the following are examples)
      - 1. Pummel test (Recommend contacting interlayer supplier for guidance)
      - 2. Impact and/or boil test (For example ANSI Z97.1)
      - 3. Ball drop test (For example GANA LD 100-06)
  - b. Frequency (as a minimum)
    - i. Tempered
      - 1. First of each product thickness per shift
      - 2. Additional testing based upon square footage produced
    - ii. Laminated
      - 1. Based upon process, products produced and square footage, consult your interlayer supplier for guidance
  - c. Documentation and retention of product testing records as a minimum:
    - i. 10 years

**Per minutes of the October 3-4, 2018 Certification Committee Meeting, after January 1, 2020 the guidelines below will be mandatory:**

- 1) **A Quality System Manual** – A quality manual shall be present that documents, identifies, describes and contains the workings of the quality system, and as a minimum contains the following sections:
  - a. Designated Person for Quality Assurance
  - b. Process Control (Procedures)
  - c. Production Testing
  - d. Calibration
- 2) **Designated Representative for Quality Assurance** – The manufacturer shall designate a person who is responsible for the quality system function in the manufacturing facility.
- 3) **Process Control** - The individual areas involved in the fabrication of safety glazing shall be defined. Each area shall have documented procedures.
- 4) **Production testing** – Procedures] shall describe testing of regular production and shall include SGCC requirements for safety glazing products. The SGCC auditor shall 1) review historical testing records ensuring procedures were followed if failure occurred 2) witness at least one production test and 3) review the method of evaluation during twice per year visits. When samples are not available, the manufacturer shall describe to the auditor how production testing is performed. Where ANSI or ASTM test methods are referenced below, other like national or internationally accepted test methods (for example EN 12600) are acceptable. Records of testing shall be maintained for a minimum of 10 years.
  - a. Tempered – ANSI Z97.1 Center Punch<sup>1</sup> and/or Impactor<sup>1</sup> Test - As a minimum, testing shall occur on the first of each product thickness per shift. Additional testing may be appropriate.
  - b. Laminated – ASTM F3007<sup>1</sup> and/or ANSI Z97.1 Impactor Test - During regular production periods, a minimum sample collection shall be performed weekly, and actual testing occur at least monthly. Sample collection must be traceable to specific production runs. For ASTM F3007 testing, sampling and testing shall occur as a minimum on the thinnest product(s) produced. Evaluation shall occur and drop height selection as a minimum shall be in accordance with ASTM F3006.
  - c. Products other than Tempered or Laminated - Testing procedures shall be established and accepted by the SGCC Administrator.
- 5) **Calibration** - Test equipment used in the quality inspection process must be working properly and accuracy assured. Equipment shall be 1) identifiable, 2) records of the calibration maintained, and 3) a method shall exist for monitoring at least an annual calibration

**HOW THE CERTIFICATION PROGRAM WORKS (Revised 10/4/2018)**

Safety glazing materials must meet or exceed the applicable specification(s) before they can be certified by SGCC®.

After initial certification (see “How Can You Become a Licensee”), the administrator verifies the production at the licensee’s manufacturing location during twice per year audits. During each audit, the licensee’s compliance to SGCC’s Quality Assurance Program is validated. During these audits, independent routine test sample selection is performed as well as review of proper labeling practices. **When a licensee is located outside North America, one audit in a given year may be performed internally by personnel of the**

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<sup>1</sup> Please contact SGCC at [SGCC@amscert.com](mailto:SGCC@amscert.com) for additional information including equipment details and purchasing options for this equipment

**licensee. In this case the required audit information will be transmitted to the licensee's internal auditor and upon completion reviewed by the administrator (see minute 9.30.02.6).**

**PLEASE NOTE: Per the minutes of the October 3-4, 2018 SGCC Certification Committee Meeting, the above highlighted and bolded sentences shall be deleted and be effective on January 1, 2020. This will effectively require all Non-North American plants to be visited 2 times per year. There likely will be additional fees to effected plants.**

All tests are conducted by SGCC® approved testing laboratories. All laboratories, whose test reports are utilized by the Certification Program, shall be approved by the SGCC® Certification Committee. Initial or prototype tests are performed at an approved testing laboratory selected by the licensee. An approved testing laboratory selected with the concurrence of the Administrator by the licensee, tests routine evaluation samples.

#### **ADMINISTRATOR AUTHORIZES CERTIFICATION**

As sole judge of compliance with the applicable specification(s), the Administrator authorizes a product, which has been approved to be listed in the Certified Products Directory (CPD).

Licensees label safety glazing material, with the assigned SGCC® number, within the limits of the product size tested. If 34 by 76 inches (34x76) is the size of the initial or prototype test sample, certification is extended to all sizes and the permanent label contains the letter "U", designating unlimited size. The letter "L" contained within the permanent label denotes certification is limited to the width and length of the initial or prototype test sample.

#### **PRODUCTS LISTED IN CERTIFIED PRODUCTS DIRECTORY (Revised 10/14/2016)**

Approved products are listed in a Certified Products Directory (CPD). The directory is published every six months and is sent to door, sash and building products manufacturers, glazing contractors, home builders, architects, regulatory agencies, code-making groups, etc. Directory listings contain the licensee's name, plant location, and product description of safety glazing material certified by SGCC®.

The Administrator selects, at least twice in each year, samples of certified safety glazing material to be tested to the applicable specification(s). These samples are selected during visits to the manufacturing plant or from the market place.

#### **COMPLIANCE SAFEGUARDS**

##### **HOW IS COMPLIANCE ASSURED (Revised 11/4/2015)**

Any certified product determined, in the course of routine sampling and evaluation, not in compliance with the applicable test specification(s), is upon first failure, subject to the retest requirements of guideline G.11. Should the G.11 retest fail to comply, the product shall be subject to the removal of certification. After the 2<sup>nd</sup> consecutive failure, the licensee is given 7 days in which to demonstrate to the satisfaction of the Administrator compliance, and if not, certification is automatically withdrawn at the end of the 7-day period.

When any program, audit or quality assurance requirements are found to be in non-compliance, the licensee is sent a request for corrective action giving 30 days in which to demonstrate to the satisfaction of the administrator, compliance with requirements. If the licensee does not respond, a warning of possible removal of authorization to use the SGCC® permanent label is sent giving an additional 30 days to respond. If the licensee does not respond acceptably, authorization to use the SGCC® permanent label is **automatically terminated** at the end of the second 30 day period. (Revised 11/4/2015)

##### **CHALLENGING A CERTIFIED PRODUCT (Deleted 10/1/2014)**

## COMPLAINTS AND/OR APPEALING A CERTIFIED PRODUCT (11/03/2015)

Negative feedback, from any source, on any aspect of the certification program or program administration that requires a response will be deemed a Complaint that requires a response. A complaint that challenges the conformance of any safety glazing product to program requirements shall be deemed an Appeal, whether by a licensee or by a consumer or other third party. Complaints or Appeals must be in writing and are first handled by the Administrator following the below procedure:

- 1) Complaints and Appeals are logged for tracking.
- 2) Notification of receipt and of the Complaint and Appeal process is sent to the initiating party.
- 3) Information from all involved parties is gathered.
- 4) All information is reviewed and a determination is made by the Administrator.
- 5) Notification is sent to all involved parties of the outcome.
- 6) All Complaints and Appeals are reviewed in a timely fashion and once resolved are marked as such.

To help determine how to best handle a Complaint or Appeal, they may be categorized by the type of party initiating the Complaint or Appeal, either from a Business (i.e., licensee, competitor, or industry party), Consumer (i.e. end user or retailer), or Program Participant (i.e. participant, supplier, or licensee). The Administrator will discuss and work with the initiating party to determine coverage of costs associated with handling the Complaint or Appeal (this can be waived at the discretion of the Administrator or SGCC President). Once costs are agreed upon, the Administrator will investigate and make a determination. If the Administrator's determination is in favor of the complainant or appellant, then any costs associated will be borne by the involved licensee, SGCC, or the Administrator. If the Administrator disagrees with the complainant or appellant, then the initiating party is responsible for any costs.

Determinations by the Administrator can be contested and if they are, the matter will be sent to the SGCC Quick Action Committee for determination. If the Quick Action Committee's determination is contested, then the matter is sent to the Certification Committee for final determination and resolution. No further appeal is permitted from the decision of the Certification Committee.

## WITHDRAWAL OF CERTIFIED PRODUCT

Any product which has been certified by SGCC®, may be voluntarily withdrawn from the Certification Program by a licensee at any time. See G.23 for more information.

## COSTS

### WHAT DOES THE PROGRAM COST?

The licensee pays, in advance, all projected fees for future routine evaluations to SGCC® on a six-month basis. A licensee is invoiced for each certified item separately listed in the Certified Products Directory.

The certification period is from January 1 - June 30 or July 1 - December 31. The licensee's initial invoice will be determined by the payment schedule as is listed below. All subsequent invoices will be for a full certification period.

| <u>DATE</u>             | <u>ADMINISTRATIVE/BUSINESS ACCOUNT<br/>FEE</u> | <u>TEST FEE</u> |
|-------------------------|------------------------------------------------|-----------------|
| January 1 - March 31    | 100%                                           | None            |
| April 1 - June 30       | 50%                                            | None            |
| July 1 - September 30   | 100%                                           | None            |
| October 1 - December 31 | 50%                                            | None            |

Test reports are valid for initial certification if the **report date is within 60 days**. (Revised 11/4/2015)

Initial certification during the first three months of the initial six-month period will require a selection in the first three months of the following six-month certification period.

## **CERTIFICATION PROGRAM DOCUMENTS AND AGREEMENTS**

### **LICENSE AGREEMENT**

This agreement, incorporating independent program administration and routine periodic independent sampling and evaluation, governs the relationship between SGCC® and the licensee.

Future amendments or revisions to the License Agreement will be recommended by the SGCC® Certification Committee and enacted by the SGCC® Board of Directors.

### **EFFECTIVE DATE, DURATION AND TERMINATION**

The License Agreement, effective from the date of its execution, has a validity of six months (adjustable to a January 1 to June 30 or a July 1 to December 31 basis) and, unless revoked by SGCC® for causes set forth in the document, is automatically renewed for successive additional periods of six months, unless either party gives notice at least 60 days prior to the date of expiration that cancellation is requested.

Upon its proper execution and acceptance by SGCC®, the Pre-issued Certification Number Bond (SD-06) informs a licensee of the certification number of an item to be certified in the future. If the licensee marks production with the certification number prior to actual certification, the bond is forfeited to SGCC®.

Upon its proper execution and acceptance by SGCC®, the test release bond permits the continuation of certification of an item when production facilities are shut down. If the licensee does not notify SGCC® within one week of the resumption of production, the bond is forfeited to SGCC®.

### **ADMINISTRATIVE SERVICE AGREEMENT**

This agreement entered into by SGCC® and AMS governs the relationship between SGCC® and AMS, the independent Administrator. In general, it provides that the Administrator

- a) samples certified products routinely;
- b) has the right to witness any and all testing required by the program;
- c) reviews all test reports in order to determine compliance of the certified product with the applicable specification(s);
- d) inspects and approves all in-plant and test laboratory test facilities for use in this Certification Program (test laboratories are approved by the SGCC® Certification Committee);
- e) publishes (hard copy and/or electronic) the SGCC® Certified Products Directory on or about January 1 and July 1 of each year;
- f) handles all routine clerical duties of SGCC® with respect to certification matters;
- g) acts as SGCC® treasurer, invoices licensees, maintains a bank account, and disburses funds (fiscal reports are made to the SGCC® Certification Committee);
- h) furnishes all testing, except for initial or prototype tests;
- i) attends all scheduled meetings of the SGCC® Certification Committee; and
- j) in all of its actions, acts in the name of SGCC®.

### **CERTIFIED PRODUCTS DIRECTORY**

This directory contains a listing of the certified safety glazing materials of each licensee.



## **CERTIFICATION LABEL**

The certification label, containing a number that refers to the listing in the Certified Products Directory, is permanently affixed to each piece of certified safety glazing material by the licensee. The listing in the directory provides a complete product description including licensee's name, location, etc.

## **PROGRAM RESPONSIBILITY**

The SGCC® Board of Directors has overall responsibility for the well being and acceptance of the Certification Program by industry, building officials and the public. It also bears corporate legal responsibility.

The SGCC® Certification Committee has the responsibility for the general procedure and policy pertaining to the conduct of the Certification Program. As a part thereof, it:

- a) establishes certification "guidelines";
- b) determines, where a question is raised by a licensee or the Administrator, the applicability of the specification(s) in specific situations;
- c) approves testing laboratories;
- d) determines which specifications are to be designated effective for the purposes of product certification and the date or dates on which they become effective; and
- e) recommends to the SGCC® Board of Directors changes to be made in the license agreement.

## **CERTIFICATION GUIDELINES AND INTERPRETATIONS**

For guidance in certifying safety glazing materials, the SGCC® Certification Committee has adopted the following:

### **GENERAL**

#### **G.1**

Participation in the Certification Program will be on a January 1 to June 30 and July 1 to December 31 basis.

#### **G.2**

Tests for initial compliance of safety glazing materials to ANSI Z97.1 / 16 CFR 1201 plus CAN/CGSB 12.1 will be accepted from any testing laboratory approved by the SGCC® Certification Committee. (Revised 7/1/2016)

#### **G.3 (Deleted 11/4/2015)**

#### **G.4**

For insulating glass units to be considered safety glazing material, each lite in the construction must be of safety glazing material.

#### **G.5**

The SGCC® item number, when used as part of a permanent label, designates the name of the licensee (participant) and also the location of the manufacturing plant.

#### **G.6**

- a) All test specimens, except prototype samples, must be marked with the correct SGCC® permanent label prior to testing in order to be considered a valid sample. It is the responsibility of the licensee to ensure the specimens being represented to the Administrator's representative are properly labeled. The Administrator shall construe the absence of a correct permanent label as a failure to comply with the specifications. In such case of noncompliance, Sections a and c of G.11 shall be followed. (Revised 3/16/1990, updated 10/2/2014)

- b) The laboratory shall verify that the label complies with SGCC® labeling requirements. (Revised 10/15/2008)
- c) The testing laboratory is to advise the Administrator of any specimen to which the correct SGCC® permanent label is not affixed. The testing laboratory will be instructed by the Administrator not to test but hold the sample.
- d) The Administrator will inform the licensee of the situation and direct (by letter) the testing laboratory to commence testing no later than 30 days hence. Although this set of samples will already be considered as noncompliant with label requirements, test specification testing will still occur for information only, unless otherwise requested not to be tested by the licensee. Until that time, the testing laboratory is instructed to make these specimens available to the licensee at their convenience (the specimens are to remain at the testing laboratory) in order that the licensee may point out or show them that in fact the SGCC® permanent label is correct or agree that in fact the correct SGCC® permanent label is not present. In cases of any dispute between the licensee and the testing laboratory the decision of the Administrator shall be final. The licensee shall not mark specimens after receipt at the testing laboratory.
- e) Effective with the last of 2016 (L16) certification period, the SGCC® permanent label, if looking to certify ANSI, must contain ANSI Z97.1-2015 in order to be considered a correct permanent label for purposes of Guideline G.6. (Revised 7/1/2016)

G.7

Safety glazing materials for which certification is requested for indoor use only shall be subjected to the provisions of section 4.4 (impact tests) and 5.4.3 (aging tests) of ANSI Z97.1 irrespective of the composition or construction of the glazing material. Like products and materials produced in the same manner as samples submitted for test shall be legibly and permanently marked in one corner with the words "Indoor Use Only" and the SGCC® identification number (section 6.3.1).

G.8 (Deleted 4/29/2010)

G.9 (Deleted 7/1/2016)

G.10 (Revised 12/7/2018)

In cases where the Administrator samples and identifies specimens for routine evaluation of the licensee's premises or requests licensee's samples when none are available at the time of sampling:

- a) The licensee is permitted six (6) weeks in which to effect delivery of said specimens to the Administrator's designated testing laboratory. For laminated glass, specimens must be the thinnest interlayer and the thinnest product certified in each thickness class (S and/or H) and generic interlayer category.
- b) Failure to act as specified above shall be construed by the Administrator as failure of said specimens to comply with the specifications and the Administrator shall act as provided for in license agreement A.6.

G.11 (Revised 10/2/2014)

In cases where a routine evaluation sample fails to comply with the specifications:

- a) Written notice and an invoice shall be sent to the licensee by the Administrator stating that within 30 days from the date of such notice the licensee must submit a retest (RT) sample to the testing laboratory selected by the licensee with the concurrence of the Administrator.

Certification shall be removed if the sample and payment are not received within the allotted 30 days or if the sample submitted fails to comply with the specifications.

- b) All costs related to G.11 are to be borne by the licensee.

- c) If the retest procedure is required, all routine inspections and sample selections will continue. However, routine testing for the next period will be suspended pending the outcome of the retest procedure. If the product is decertified, the prepaid fee for routine testing for the next period (but not the Administrative and Contingency fees) will be refunded.

G.12

If a licensee who manufactures or contracts for the manufacture of a certified product outside the United States and Canada feels that in a particular instance that he will be unable to act as provided for in paragraph (a) of SGCC® Guideline G.11, he should notify the Administrator. The Administrator will then contact the chairman of the certification committee for a decision as to what action is to be taken.

G.13 (Deleted 5/6/1999)

G.14

The semi-annual invoicing date for certification fees shall be April 1 and October 1 of each year and the Administrator is instructed to take those steps necessary to remove certification from licensees for failure of payment. (Modified 10/20/1989)

The Administrator shall initiate de-certification procedures on products for a given licensee's failure to pay any monies due to SGCC® within 60 days of invoice date. (Reference License Agreement A.2, A.7, A.12, and B.6.)

The invoice procedures will be as follows:

- a) Semi-Annual SGCC® invoices will be mailed/emailed on or before April 1 and October 1 of each year. Payment is due May 1 and November 1 respectively.
- b) For all overdue invoices, as of May 1 and November 1, a phone call will be made as a reminder and to ensure that the licensee received the invoice. An email will follow the phone call.
- c) For all overdue invoices, as of May 15 and November 15, an email will be sent warning of de-certification if payment is not received within 15 days.
- d) Letters of de-certification will be sent fifteen (15) days from the warning notification if payment is not received. With de-certification, a licensee will no longer be an SGCC® participant and all of its certified products will be de-certified and will not appear in the CPD.

G.15 (Deleted 10/2/2014)

G.16

The nominal thickness designations in SGCC® authorized permanent labels for safety glazing materials may be shown in metric units. The thickness will be expressed in millimeters, limited to one decimal place, and will have the suffix "mm." (Revised 4/19/2004)

G.17 (Deleted 7/1/2016)

G.18

Certified and permanently labeled safety glazing materials such as laminated glass, rigid plastic, or organic coated glass, may be cut into smaller pieces by a distributor or installer after manufacture and it is not practical for each smaller piece to bear a manufacturer's permanent label when finally installed in a building. When this is the case, the distributor or installer shall apply a permanent label to each piece which states his name and certifies that he cut the piece from material that was properly labeled in accordance with the requirements of SGCC® (refer to "SGCC® Label Requirements" for additional information). (Revised 10/25/2001) For the purpose of this guideline, a permanent label is defined as one that will remain permanently legible and would be destroyed in attempts to remove it from the product.

G.19 (Deleted 10/20/1989)

G.20 (Deleted 4/26/2007)

G.21

A pre-issued SGCC® certification number shall be issued by the Administrator upon receipt of a properly executed License Agreement and a properly executed *New Licensee Application & Pre-Issued Number Form (SD-06)* (application). The application must be completed for any new safety glazing product(s) (prototype) the fabricator submits for testing. If the fabricator requests pre-issued certification number(s) and does so with the understanding that these numbers (SGCC Mark/label) will not be applied to any product(s) until authorization to do so by SGCC®. The fabricator will not be authorized to use the number(s) until testing, final approval and formal certification is complete. (Revised 7/1/2016)

G.22

In the case of plastics and organic coated glass certification of a patterned product may be extended to cover other patterns provided:

- a) The nominal thickness of the proposed alternate and all aspects other than pattern are the same as the certified product.
- b) The Administrator of the certification program is provided with a copy of a prototype test from an approved laboratory, showing satisfactory compliance with the impact requirements of ANSI Z97.1 for each alternate pattern proposed.
- c) The certification committee is provided with a 6 inch by 6 inch sample of each proposed alternate for its record and file. This must be sent to the Administrator of the certification program.

After admission under blanket certification covering patterned products, any such patterns available may be selected by the Administrator for routine sampling and testing.

In the case where a routine evaluation sample covered under a blanket certification fails to comply with the specifications, the situation requires that the particular product be submitted for the retest (RT) sample required by Guideline G.11. (Revised 7/1/2016)

G.23

There may be instances when a production facility is temporarily inoperative. This could be caused by, but not limited to, equipment repair or replacement, labor difficulties, energy or material shortages, or economic considerations. As a consequence, samples for routine testing may not be available for long periods. The licensee may desire to retain certification during the shutdown period by applying for inactive (IN) status. This shall be done as follows:

- a) Prior to or within two (2) weeks after the shutdown, the licensee shall inform the SGCC® Administrator in writing.
- b) The SGCC® Administrator will immediately supply the licensee with test release bond forms (SD-23) for submission by the licensee. A separate bond shall be submitted for each certified product affected.
- c) Within two (2) weeks, after receipt of the bond forms, the licensee shall submit them to the SGCC® Administrator.
- d) During the period covered by the bond the licensee shall retain certification, contingent upon payment of normal certification fees and meeting all other licensee obligations. Bonds will be for a specific certification period and will expire at the end of that certification period but may be renewed by the licensee any number of times. Renewal is an obligation of the licensee and requires all steps listed herein. (Revised 10/25/2001)
- e) Within one (1) week after re-activation of the production facility the licensee shall 1) notify the SGCC® Administrator in writing, and 2) submit samples from the first weeks production to an SGCC® approved laboratory for testing. In cases where more than one certified product is produced with the same equipment, samples of each must be furnished for testing within the first month. These will be considered as the routine samples for retesting for the six months period during which they are submitted.

- f) Failure of the licensee to comply with any of the preceding shall be the basis for removal of certification from the affected products.

G.24

When a licensee's production equipment will not produce a size of 34 inches by 76 inches and the licensee wishes to certify a) a size whose smaller dimension exceeds 34 inches, material shall be tested whose smaller dimension is 34 inches, or b) a size whose larger dimension exceeds 76 inches, material shall be tested whose larger dimension is 76 inches.

G.25 (Deleted 7/1/2016)

G.26

Any label that can be removed intact shall not be considered permanent and is not acceptable to SGCC®.

G.27

A licensee at time of prototype submission should determine if certification shall be for ANSI / CPSC (Composite) OR Composite plus CAN/CGSB 12.1 (COMP+CAN). The licensee shall be issued only one SGCC® number for composite certification for each product. The licensee will submit four (4) samples to be impact tested to ANSI Z97.1 and CAN/CGSB 12.1 (for all specimens that are not symmetrical from surface to surface an equal number of specimens shall be impacted on each side). If any one specimen of the composite sample fails, the entire composite sample will be considered to have failed to comply with the standards. (Revised 7/1/2016)

G.28

The Administrator shall construe noncompliance with thickness tolerance as a failure to comply with the specifications. In such cases of noncompliance, Sections a, b and c of G.11 shall be followed. (Revised 10/2/2014)

G.29

For the purposes of certification, the thickness requirements of Standard ASTM C1036, CEN or other nationally or internationally recognized thickness specifications shall apply. In all cases label information must be accurate for the nominal thickness of the applicable Standard. An indicator shall be used to identify Standards other than ASTM C1036 (e.g., EN for European Norm). If no indicator is used, the product will be assumed to comply with ASTM C1036. (Revised 10/15/2008) (See *Certified Products Key*)

G.30 (Deleted 10/5/2004)

G.31 (Deleted 10/5/2004)

G.32 (Deleted 7/1/2016)

G.33

If a manufacturing plant for which a product is certified is sold, the new owner or licensee must take the following steps to maintain certification:

- a) Notify the Administrator in writing of the sale as soon as possible (and in no event later than 60 days) after the sale;
- b) Execute a new license agreement, if the new owner is not already a licensee; and
- c) Exercise the option of maintaining the original licensee's SGCC® number(s) or requesting new numbers. If the new owner chooses to keep the existing number(s), the logo on the certified product must clearly distinguish it from the previous owners.

The Administrator shall arrange for the next routine sampling to take place within six (6) months of the sale. If the plant is temporarily inoperative in connection with the sale, the provisions of G.23 shall also apply.

G.34

Samples of any shape or shape altering process such as notches or holes shall be covered by the certification of the base rectangular product. Certification to "U" unlimited size may be any size. Certification to "L" limited size requires that the shape must fit within the outline of the largest certified size. (Added 4/26/2007)

## **TEMPERED TRANSPARENT GLASS**

T.1

Certification of either flat glass or patterned glass will not cover the other except as noted in Guideline T.2. (Flat glass designates ground and polished plate, float and sheet glass.) (Revised 7/1/2016)

T.2

Polished plate glass and the rough glass blank from which it is produced will be considered to be of equal nominal thickness. Certification of tempered flat glass will therefore be interpreted as including tempered rough plate blank.

T.3

Certification of regular tempered glass will also cover tinted, heat absorbing, and coated glasses of the same nominal thickness where the coating does not alter substantially the post-breakage behavior of the glass substrate. A "substantial alteration" is one that would render the coated tempered glass in non-conformance with the applicable safety glazing standards. Glasses of the same nominal thickness with a ceramic or other material applied as a continuous or partial coating to one or more surfaces are also covered. (Modified 04/02/1992)

T.4

In cases where certified glass is normally not available for sampling, the licensee may make an overrun (of four lights of prototype size that are to be marked with the date of production) when the item is in normal production, and these will be accepted by the Administrator if other samples are not available. Otherwise, when production samples are not available, the Administrator shall notify the licensee to submit prototype size samples to the Administrator within six (6) weeks.

T.5

Certification of any nominal thickness of tempered safety float or sheet glass will also cover the other types. ANSI Z97.1, 16 CFR 1201 and CAN/CGSB 12.1 do not require the permanent label on tempered safety glass to specify which type of glass is used. Nor is it required that the test specimens be identified in this regard. (Revised 10/10/2012)

T.6

Bent Glass shall be certified separately from flat glass. Bent glass test methods shall be the same as for flat sample testing except as referenced in the text and figures of the ANSI Z97.1 standard. Interpretation of results shall be the same. (Revised 10/21/2005)

T.7

For purposes of impact test evaluation when breakage occurs, the average thickness of a tempered glass specimen containing grooves, bevels and other thickness altering fabrication shall be considered the average of the thinnest measurement of each of the ten (10) geometrically largest particles. This average thickness will then be used to determine the maximum allowable weight of the ten (10) largest particles. Upon successful completion of testing the thickness for the specimen shall be listed in the CPD as the thickness of the non-fabricated base glass. SGCC® views glue chip, beveling, grooving, and acid etching as a fabrication process prior to tempering, and as such is not certified separately from the base glass thickness. (Example: Certification of 3/16" TTG would also cover 3/16" glue chip or beveled product.) (Revised 10/01/2002)

## **TEMPERED PATTERNED GLASS**

TP.1

For the purposes of certification, the nominal thickness of patterned, figured, or rough rolled glass are the common fractions found in ASTM C1036 or other nationally or internationally recognized thickness standards and the thickness should be measured in accordance with the procedure as described in ASTM C1036,

current revision. The permanent label must contain this fraction on a metric or decimal dimension within the tolerance of this thickness as published in ASTM C1036 or other nationally or internationally recognized thickness standards. (Revised 7/1/2016)

The patterns in each thickness will be classified as to the ratio of minimum to maximum thickness as follows:

| <b>Patterned Depth Class</b> | <b>Ratio</b>      |
|------------------------------|-------------------|
| Shallow patterned glass      | 0.90 or above     |
| Medium patterned glass       | 0.80 through 0.89 |
| Deep patterned glass         | 0.79 or below     |

Certification will be by nominal thickness and patterned depth class. Any pattern in a certified thickness and patterned depth class is certified.

New or unlisted patterns must be submitted to the pattern subcommittee for classification and file prior to certification. After measurement, the new pattern will be assigned to a patterned depth class. (See *Classified Tempered Glass Patterns Key* table in this directory).

Certification of deep also covers medium and shallow patterns of the same nominal thickness.

Certification of medium also covers shallow patterns of the same nominal thickness.

#### TP.2

The maximum thickness shall be recorded when measuring the thickness of patterned glass.

#### TP.3

For tempered patterned glass, one (1) specimen must be weighed and the weight of ten (10) square inches determined from the weight, width and height of that specimen to use for test purposes.

#### TP.4 (Deleted 10/5/2004)

#### TP.5

When medium patterned glass is not available for routine sampling, the licensee submitted specimens must be a medium pattern (a shallow pattern is not acceptable).

#### TP.6

When deep patterned glass is not available for routine sampling, the licensee submitted specimens must be a deep pattern (shallow or medium patterns are not acceptable).

### LAMINATED GLASS

#### L.1

Initial certification of Laminated Glass - Testing must be performed on each nominal thickness of at least one brand of each generic category of interlayer material for which SGCC® certification is desired. Ongoing certification shall be by two thickness classes (S=Standard (<0.292 inches) and H=Heavy (0.292 inches and greater)) and per generic category of interlayer. A list of accepted interlayer brands per generic category shall be maintained by SGCC® (SGCC® List of Accepted Interlayers can be found at [www.sgcc.org](http://www.sgcc.org)) Certification to one brand within the generic category will allow switching to other brands within the generic category on the list. (see "Guidance for the SGCC® Certification of Laminated Glass" dated October 4, 2018 available at [www.sgcc.org](http://www.sgcc.org)) (Added 4/2/2008)

#### L.2 (Deleted 12/7/2018)

#### L.3 (Deleted 4/2/2008)

#### L.4 (Deleted 12/7/2018)

## L.5

Laminated safety glass shall be identified and certified by two (2) types, Laminated Transparent Glass (LTG) and Laminated Specialty Product (LSP).

- a) Laminated Transparent Glass (LTG) is defined as two (2) or more lites of glass with the same family of polymer (interlayer(s)) between the lites.
- b) Laminated Specialty Product (LSP) is defined as two (2) or more lites of glass or other material with multiple interlayers, same or different family, with an insert (other layer of sheeting or non-continuous material) encapsulated in between the interlayers.

For Laminated glass changes and equivalency see **Table L1**. (Revised 12/7/2018)

| <b>Laminated Glass Equivalency (Table L1)</b>                                                                                                                                                                                                                                                                         |                                                                                                                            |                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| As inserts are referenced below, there shall be no adverse reaction of inserts with accepted interlayers. Fabricator maintains sole responsibility for establishing compatibility, durability and retention of impact properties for all materials used in any laminated composite or encapsulated interlayer system. |                                                                                                                            |                                                                                                             |
| <b>Change Categories</b>                                                                                                                                                                                                                                                                                              | <b>Equivalent Changes</b>                                                                                                  | <b>Not Equivalent Changes</b>                                                                               |
| <b>Interlayer generic category</b>                                                                                                                                                                                                                                                                                    | Different brand of same generic category (see guideline L.11)                                                              | Different generic category                                                                                  |
| <b>Interlayer thickness</b>                                                                                                                                                                                                                                                                                           | Increase in interlayer thickness (As long as overall thickness remains within range of certified product).                 | Decrease in interlayer thickness (maximum allowable minus tolerance of 0.005 inches)                        |
| <b>Glass/glazing</b>                                                                                                                                                                                                                                                                                                  | Flat, patterned or bent glass                                                                                              | Change from glass to plastic or plastic to glass                                                            |
| <b>Glass fabrication</b>                                                                                                                                                                                                                                                                                              | (A, HS, T, CS) See guideline L.8                                                                                           | N/A                                                                                                         |
| <b>Dimensional tolerances (Glass and Interlayer)</b>                                                                                                                                                                                                                                                                  | (See Guideline L.1 and L.7)                                                                                                | N/A                                                                                                         |
| <b>Inserts or changes in material of plies or inserts (generic make-up)</b>                                                                                                                                                                                                                                           | If insert is encapsulated and interlayer is accepted and of the minimum thickness of acceptance on each side of the insert | If insert is not encapsulated, or interlayer is not accepted or of minimum thickness on each side of insert |
| <b>Additional layers of same type</b>                                                                                                                                                                                                                                                                                 | Increase in layers (As long as overall thickness remains within range of certified product).                               | Decrease in layers                                                                                          |
| <b>Coatings or Color (interlayer or glazing)</b>                                                                                                                                                                                                                                                                      | Changes in tint, translucence, or coated glass                                                                             | N/A                                                                                                         |
| <b>Decorative pattern (not to be confused with patterned glass)</b>                                                                                                                                                                                                                                                   | Changes in decorative pattern (glass or inserts), follow direction for change of insert                                    | Lower than tested minimum interlayer thickness on either side of the insert or non-accepted interlayer      |
| <b>Electronics, plastics or other devices</b>                                                                                                                                                                                                                                                                         | Encapsulates, Follow requirements for accepted interlayer and minimum thickness on both sides of inserts                   | Lower than tested minimum interlayer thickness on either side of the insert or non-accepted interlayer      |

## L.6

Thickness of the interlayer shall be measured by the SGCC® standard method. (Revised 4/2/2008)

## L.7

Nominal thickness for laminated glass has been expanded from standard ASTM C1036 values to eliminate "gaps" in ranges. For certification purposes, the following thickness tolerances shall be used. Thickness tolerance shall apply only to the overall thickness. Interlayer thickness shall be reported. The reported value shall be used to determine "nominal" thickness of the interlayer, with a maximum allowable minus tolerance of 0.005 inches. (Revised 11/4/2015)



| <u>mm</u> | <u>Range (mm)</u> | <u>Traditional (in)</u> | <u>Range (in)</u> |
|-----------|-------------------|-------------------------|-------------------|
| 3.0       | 2.92 – 3.78       | 1/8                     | 0.115 – 0.148     |
| 4.0       | 3.79 – 4.57       | 5/32                    | 0.149 – 0.179     |
| 5.0       | 4.58 – 5.56       | 3/16                    | 0.180 – 0.218     |
| 6.0       | 5.57 – 7.41       | 1/4                     | 0.219 – 0.291     |
| 8.0       | 7.42 – 9.01       | 5/16                    | 0.292 – 0.354     |
| 10.0      | 9.02 – 11.91      | 3/8                     | 0.355 – 0.468     |
| 12.0      | 11.92 – 15.11     | 1/2                     | 0.469 – 0.594     |
| 16.0      | 15.12 and greater | 5/8                     | 0.595 and greater |

## L.8

Laminated glass shall be certified by its base glass heat treating/fabrication process (A= annealed, HS= heat strengthened, T= tempered, CS= chemical strengthened). When a laminated annealed glass (A) is tested and certified, other laminated glasses having the same nominal thickness or thicknesses of heat strengthened (HS), tempered glass (T), or chemical strengthened (CS) and the same or greater thickness of interlayer of the same generic category will be considered to be included in the certification. Testing of heat strengthened (HS) will only certify heat strengthened (HS) and tempered (T). Testing of tempered (T) will only certify tempered (T). Testing of chemical strengthened (CS) will only certify chemical strengthened (CS). (Revised 12/7/2018)

## L.9 (Deleted 12/7/2018)

## L.10

For certification to ANSI Z97.1, weathering tests on laminated glasses shall be performed on the thinnest construction of all components in clear glass with clear interlayer. Weathering tests shall only be required initially. Weathering data will be accepted from the glass fabricator, or a supplier, i.e. interlayer manufacturer. Since SGCC's acceptance of weathering data is a "one-time" event, no formal weathering lab approval will be required. However, at time of weathering data submittal, the weathering test facility shall submit an explanation why they are competent to perform such tests. Justification of competence shall be judged on any facility's history and experience. (Revised 1/30/2012)

## L.11

An SGCC® certified participant may use any interlayer supplier on the SGCC® Accepted interlayer List of the same generic category. (Added 4/2/2008)

## SGCC LIST OF ACCEPTED INTERLAYERS (SD-99)

*In order for a laminated glass product to become or remain SGCC Certified, the interlayer used by the manufacturer must be on this list. All interlayers must have weathering test data on file. Outdoor use may be tested to ANSI Z97.1-2009 or 2015 and Indoor use only must be tested to ANSI Z97.1-2015 weathering data.*

*L.4 When a laminated glass is certified, other laminated glasses of the same nominal thickness having a greater thickness of interlayer will be included in the certification.*

| Generic Code & Description |                                                           |                                           |                                                  |                                        |                             |
|----------------------------|-----------------------------------------------------------|-------------------------------------------|--------------------------------------------------|----------------------------------------|-----------------------------|
| (b) Poly Vinyl Butral      | (lu) Liquid Resin - UV Cure                               | (f) Fluorinated Ethylene Propylene        | (lc) Liquid Resin-Multi Component                | (p) Polyethylene Terephthalate         | (ev) Ethylene-Vinyl Acetate |
| (ip) Ionoplast             | (el) Epoxy-Liquid Crystal Polymer                         | (u) Polyurethane                          | (su) Solid resin UV cure                         |                                        |                             |
| Generic Code               | Description                                               | Supplier                                  | Interlayer Brand                                 | Interlayer Formulations                | Weathering Data on file     |
| (b)                        | Poly Vinyl Butral                                         | Eastman Chemical Company                  | Saflex IIIG/Vanceva                              | Series A, C, D, F, H, M, N, P, R, S, W | ✓                           |
|                            |                                                           | Eastman Chemical Company                  | Saflex Specialty                                 | Saflex Q, AG, DB/DS                    | ✓                           |
|                            |                                                           | Eastman Chemical Company                  | Saflex Composite                                 | Saflex V, K series                     | ✓                           |
|                            |                                                           | Kuraray                                   | SentryGlas Expressions                           |                                        | ✓                           |
|                            |                                                           | Kuraray                                   | Trosifol (formerly Butacite B50-B56)             | Clear (B500)                           | ✓                           |
|                            |                                                           | Kuraray                                   | Trosifol (formerly BG)                           | Clear/Ultra Clear (B100)               | ✓                           |
|                            |                                                           | Kuraray                                   | Trosifol (formerly ES)                           | Extra Stiff (B130)                     | ✓                           |
|                            |                                                           | Kuraray                                   | Trosifol (formerly SC)                           | SC Monolayer (B100)                    | ✓                           |
|                            |                                                           | Kuraray                                   | Trosifol (formerly XT90)                         | XT (B140)                              | ✓                           |
|                            |                                                           | Kuraray                                   | Trosifol                                         | Solar R40 (B900)                       | ✓                           |
|                            |                                                           | Kuraray                                   | Trosifol                                         | HR100 (B170)                           | ✓                           |
|                            |                                                           | Chang Chun                                | Winlite                                          | (0.015)                                | ✓                           |
|                            |                                                           | Sekisui S-Lec America LLC                 | Sekisui S-LEC Film & Sekisui S-LEC Acoustic Film | (0.030)                                | ✓                           |
|                            |                                                           | Everlam S.A.                              | EVERLAM™ NC 010                                  | (0.015)                                | ✓                           |
|                            |                                                           | Kingboard (FO Gang) Specialty Resins Ltd. | Kingboard                                        | (0.015)                                | ✓                           |
| (u)                        | Polyurethane                                              | SWM International                         | ArgoBond®                                        | ST-6050 (0.050)                        | ✓                           |
| (ip)                       | Ionoplast                                                 | Kuraray                                   | SentryGlas®                                      | (0.035)                                | ✓                           |
|                            |                                                           | Kuraray                                   | SentryGlas® Xtra™                                | (0.030)                                | ✓                           |
| (lu)                       | Liquid Resin - UV Cure                                    | Bestroom Co. Ltd.                         | UVLAM                                            | (0.040)                                | ✓                           |
|                            |                                                           | ALLNEX                                    | UVEKOL                                           | (0.040)                                | ✓                           |
| (ev)                       | Ethylene-Vinyl Acetate                                    | Interlayer Solutions, inc.                | EVALAYER                                         | (0.015)                                | ✓                           |
|                            |                                                           | Folienwerk Wolfen GmbH                    | Evguard® Film only                               | (.015) & (.030)                        | ✓                           |
|                            |                                                           | Hornos Industriales Pujol, S.A.           | EVALAM Crystal                                   | (0.015)                                | ✓                           |
|                            |                                                           | Hornos Industriales Pujol, S.A.           | EVALAM Visual                                    | (0.015)                                | ✓                           |
|                            |                                                           | RCN Solution SRL                          | REVA BF                                          | (0.015)                                | ✓                           |
|                            |                                                           | IGE Supply Solutions, Inc.                | SHENZHEN OSTER FILM - ASQ1X Extra Clear EVA Film | (0.015)                                | ✓                           |
|                            |                                                           | SWM International                         | ArgoBond®                                        | WE-381TF (0.030)                       | ✓                           |
| (ev)(p)                    | Ethylene-Vinyl Acetate / Polyethylene Terephthalate       | Folienwerk Wolfen GmbH                    | Evguard® and Hybrid MPE Interlayers              | (.015)(.008)(.015)                     | ✓                           |
| (el)(p)                    | Epoxy-Liquid Crystal Polymer / Polyethylene Terephthalate | Polytronix, Inc.                          | Polyvision Film                                  | (0.075)                                | ✓                           |
| (su)                       | Solid resin UV cure                                       | Seeory Materials Corp                     | Seeory Interlayer                                | (0.030)                                | ✓                           |

## **WIRED GLASS (ANSI ONLY)**

W.1 (Deleted 11/4/2015)

## **PLASTICS - GENERAL (ANSI Only)**

P.1

Certification of one tint or color of rigid plastic will also cover other tints, colors, flat configurations, or bent and formed configurations.

P.2

For certifying all plastics covering a range of thicknesses, prototype impact tests are required of the minimum thickness and also of the maximum thickness (except that 0.250 inch thickness would be tested if the maximum thickness exceeds 0.250 inches). Only one certification number will be issued and shall be marked upon all thicknesses. Routine evaluation samples are to be selected by the Administrator from any of the certified thicknesses.

P.3

The following thickness tolerances shall be used for certification purposes:

- Outdoor use plastic materials Categories C-1 and C-2 cast Acrylic, (including continuously cast sheet): As specified in ASTM-D4802-16, Table 2 and Table 3.
- Outdoor use plastic materials Categories M-1 and M-2 extruded Acrylic: As specified in ASTM-D4802-16 Table 2 plus or minus five percent.
- Outdoor use plastic materials extruded polycarbonate: As specified in Military Specification MILP-46144, latest issue.
- Indoor use plastic materials plus or minus five percent of nominal thickness.

P.4

The maximum thickness shall be recorded when measuring the thickness of patterned plastics.

P.5

Certification of either smooth plastic or patterned plastic will not cover the other.

## **PLASTICS - EXTERIOR USE (ANSI Only)**

PE.1 (ANSI ONLY)

Sheet plastics for exterior use must comply with the applicable specification.

PE.2

Certification of plastics for exterior use shall be permitted prior to completion of ANSI Z97.1 weathering tests (section 5.4) provided that a considered expert opinion states that the infrared spectrogram indicates that the plastic is an acrylic or UV, inhibited polycarbonate of proven weatherability. Certification shall be removed if compliance with the weathering test is not demonstrated within six months of the certification date.

PE.3

For all plastics requiring UV weathering tests, an infrared spectrogram shall be obtained of all prototype weathering specimens. An infrared spectrogram shall be obtained of all routine evaluation samples and shall be compared with that of the prototype in lieu of conducting weathering test. The spectral scan shall be made using a minimum film thickness of 0.002 inches or its equivalent.

PE.4

When initial Charpy unnotched specimens do not break, then notched specimens shall be used for both initial and exposed Charpy impact testing. The specimens shall be notched prior to UV exposure and the notched surface shall be exposed to the UV.

## **PLASTICS - INDOOR USE ONLY (ANSI ONLY)**

### **PI.1**

Sheet plastics used in indoor applications only do not have to comply with paragraph 5.4.1 of ANSI Z97.1 (UV Weathering) but must comply with paragraph 5.4.3.

### **PI.2**

The permanent label authorized by SGCC® must include "Indoor Use Only."

### **PI.3**

For all indoor plastics requiring aging tests, an infrared spectrogram shall be obtained of all prototype aging specimens. An infrared spectrogram shall be obtained of all routine re-evaluation samples and shall be compared with that of the prototype in lieu of conducting aging tests. The spectral scan shall be made using a minimum film thickness of 0.002 inches or its equivalent.

## **LEADED PATTERNED ANNEALED GLASS – (ANSI ONLY)**

LG.1 (Deleted 4/26/2007)

LG.2 (Deleted 4/26/2007)

LG.3 (Deleted 4/26/2007)

## **ORGANIC COATED GLASS**

### **AG.1**

Thickness of the applied plastic coating shall be measured by the SGCC® standard method. When testing to the impact test criteria in 16 CFR 1201.4(a)(1), four specimens shall be tested or as noted in guideline G.27. (Revised 10/22/1993).

### **AG.2**

The SGCC® authorized permanent label, which complies with Guideline G.26, must be imprinted upon or applied to a surface of the plastic for all plastic coated annealed glasses.

### **AG.3 (ANSI ONLY)**

Prototype test shall be conducted on bent specimens of the surface area at least 50 percent of the maximum size for which certification is desired. Routine tests may be conducted on flat or bent specimens. The test apparatus shall be modified to clamp the vertical straight edges and to support the concave side for the curved edges. Two specimens shall have organic coating on the concave surface and two on the convex surface. Impact shall be on the convex surface.

### **AG.4**

For certification to ANSI Z97.1, weathering tests on organic coated glasses shall be performed on the thinnest construction of all components in clear glass with clear plastics. Weathering tests shall only be required initially. Weathering data will be accepted from the glass fabricator, or a supplier, i.e. organic coating manufacturer.

## **VACUUM INSULATING GLASS (VIG)**

See most recent memo "VIG ANSI Interpretation and Information" at [www.sgcc.org](http://www.sgcc.org) or contact the SGCC office.

## SGCC ADVERTISING GUIDELINES

The following concepts are important to remember if you are a participant or licensee in the SGCC Certification Program or a distributor of safety glazing materials. This discussion is intended to provide you with an accurate background description of the SGCC Certification Program to help you avoid making possibly misleading, deceptive, or ambiguous statements regarding the program in the advertising of your products.

1) SGCC is a non-profit organization that maintains a third-party certification program which provides for the certification of safety glazing materials found to be in compliance with either ANSI Z-97.1-2015 or 16 CFR 1201 or both, or both plus CAN/CGSB 12.1. Products are not certified by SGCC unless and until a test to the applicable specification(s) conducted at an approved testing laboratory indicates compliance and the license contract requirements are met. (Revised 10/10/2012)

2) Once certified by SGCC, a product is assigned an exclusive certification number to identify it and the plant at which it is made. After which, to ensure continued adherence to the specification(s), SGCC independently selects, at least twice in each year, samples from the manufacturer or from the market place to be tested to the applicable specification(s). Consequent to a test result showing compliance with the applicable specification(s), SGCC authorizes the continued use of the certification number and its listing in the SGCC's Certified Products Directory.

3) To maintain certification, SGCC also requires licensees to have a working Quality Assurance program for the fabrication of safety glazing materials. Compliance to QA requirements is validated at the first SGCC plant inspection after products are certified, and adherence is verified thereafter at each twice per year plant visit.

4) To buyers, specifiers, code officials, and users, the SGCC certification label offers the licensee assurance that its safety glazing material has been produced in conformance to ANSI Z-97.1-2015, 16 CFR 1201 and/or CAN/CGSB 12.1. (Revised 10/10/2012)

5) The SGCC Administrator audits laboratories and checks their equipment, audits licensees' production and fabrication of specimens, and validates test reports and certification claims. The Administrator periodically checks and reports on compliance of the products having the SGCC certification label with the applicable specification(s).

6) SGCC-approved laboratories test specimens to specific test methods and specifications referenced by SGCC.

7) SGCC does not have "members" insofar as the term "members" connotes that some detailed criteria must be met in order to participate in the organization. Under the SGCC by-laws, any person or organization (other than a glazing manufacturer) that has a legitimate interest in the purposes of SGCC may become a participant. Manufacturers, on the other hand, become participants by virtue of executing a License Agreement with SGCC. Any manufacturer of safety glazing may voluntarily enter into a License Agreement with SGCC, provided that they intend to certify at least one product under the SGCC Certification Program. Thus, the proper term to use for a manufacturer is "participant" or "Licensee."

8) The following are examples of possible advertising language that licensees might wish to use:

- a) Our company is a licensee of the Safety Glazing Certification Council (SGCC).
- b) We submit our tempered/laminated glass products for certification through the SGCC program.
- c) Our tempered/laminated glass products that are certified by SGCC as meeting the SGCC certification program are listed in the SGCC's Certified Products Directory.
- d) Our tempered/laminated glass products that are certified by SGCC are indicated by the SGCC logo and certification number permanently marked on our products. (Added 10/26/2010)

9) \*\*ANSI Disclaimer

Although the SGCC Program is ANSI-accredited and uses the ANSI accreditation symbol on its publicity material the SGCC-certified Licensee cannot use the ANSI trademark nor the ANSI accreditation symbol, this includes its products, packaging, stationary, letterhead, or any other form of media.

**~SGCC® LABEL REQUIREMENTS~** (Revised 7/1/2016)**GENERAL**

Unless the SGCC® certification label is permanently affixed to each piece of safety glazing material, it is not covered by the SGCC® certification program, and unless a specific standard (ANSI, CPSC, CAN/CSGSB) is included in the label, the product is not certified to that standard. (Revised 10/10/2012)

The permanent label must contain the correct SGCC® number, ANSI Z97.1-2015 and/or 16 CFR 1201, and/or CAN/CSGSB 12.1 (and category), the nominal thickness, (see SGCC® Guideline G.29 for international thickness standards), the letter U or L indicating certified size and the ANSI impact class (A or B). (Revised 7/1/2016)

At the discretion of the SGCC® participant, for laminated glass, the actual thickness **AND/OR** thickness class (S, H) may appear on the label. (Added 1/1/2009)

These requirements are minimum requirements for SGCC® Certification. It is the licensee's responsibility to determine if other jurisdictions, standards and codes have additional requirements such as type of glass. (Revised 10/17/2007)

For labeling purposes, a **line of demarcation** shall separate those specifications covered by the SGCC® number from any other specifications the licensee may wish to reference. For laminated products used in "Indoor Use Only" applications where no weathering data is on file with SGCC, the permanent label must include "Indoor Use Only." The SGCC® number can be used to identify both the "supplier" and "place of fabrication". Refer to SGCC® Guideline G.5 (Revised 10/21/2005)

The permanent label must be affixed to certified products ONLY at the time and place of manufacture (except for situations covered by Guideline G.18 and as stated below.) (Revised 10/25/2001)

**EXAMPLES OF LABELS CERTIFIED TO ALL THREE STANDARDS**

| <u>In inches</u>               | <u>In mm</u>                   | <u>Laminated example</u>       |
|--------------------------------|--------------------------------|--------------------------------|
| ABC Glass – Plant A (optional) | ABC Glass – Plant A (optional) | ABC Glass – Plant A (optional) |
| 16 CFR 1201 II                 | 16 CFR 1201 II                 | 16 CFR 1201 II                 |
| ANSI Z97.1-2015                | ANSI Z97.1-2015                | ANSI Z97.1-2015                |
| CAN/CSGSB 12.1-2017            | CAN/CSGSB 12.1-2017            | CAN/CSGSB 12.1-2017            |
| 1/4 U A SGCC 9999              | 6mm U A SGCC 9999              | (S) U A SGCC 9999              |

**Labeling of Cut Sheet Safety Glazing** (refer to Guideline G.18) (Added 10/25/2001)

When a distributor or installer wishes to include the SGCC® label on pieces of safety glazing cut from properly fabricated, labeled, and SGCC® certified product, the following shall apply:

- 1.) The designation "C/F" for "Cut From" shall appear in front of the SGCC® number.
- 2.) The distributor or installer must have written permission to do so from the primary SGCC® certified producer. This written permission should address such issues as label accountability and application, differentiation between multi-source suppliers and a time frame or scope of labeling.
- 3.) Since SGCC® shall have no formal relationship with the distributor or installer, proper application and use of the SGCC® label shall be the responsibility of the SGCC® licensee producing the product.
- 4.) If the SGCC® label is not used, SGCC® has no jurisdiction.

**EXAMPLES**

| <u>SGCC® Licensee or Primary Producer</u> | <u>Authorized Distributor or Installer</u> |
|-------------------------------------------|--------------------------------------------|
| Company ABC (optional)                    | Company XYZ (optional)                     |
| Laminated Glass (optional)                | Laminated Glass (optional)                 |
| ANSI Z97.1-2015                           | ANSI Z97.1-2015                            |
| 16 CFR 1201 CII                           | 16 CFR 1201 CII                            |
| SGCC 9999 6mm U A                         | C/F SGCC 9999 6mm U A                      |

The permanent label must be affixed ONLY to safety glazing materials of the licensee which are certified in the SGCC® certification program.

The permanent label must not be sold, transferred, or otherwise disposed of in any manner other than being affixed to the licensee's certified product.

The permanent label must NOT be affixed to any product from which certification has been withdrawn or which is produced with a process basically different from the one used to manufacture the initial or prototype samples.

## **ANSI ONLY LABEL**

"After having successfully passed the appropriate tests in this standard, like products and materials produced in the same manner as specimens submitted per test shall be legibly and permanently marked with a label."

### **Label Content.**

The label shall contain the following information:

- 1) Supplier's name, distinctive mark or designation.
- 2) The words "American National Standard Z97.1-2015" or the characters "ANSI Z97.1-2015."
- 3) Classification of test size (L or U) and drop height class (A, B). Plastic glazing does not require drop height.
- 4) Place of fabrication (if fabricator has more than one location fabricating the product).

NOTE: Additional details and information, such as thickness and date of manufacture, are permitted.  
Quoted from ANSI Z97.1. (Revised 1/1/2011)

### **Organic-Coated Glass Only.**

"Organic-coated glass materials shall be legibly and permanently marked with the words "Glaze This Side In," to indicate to the installer, inspector, or user which side of the organic-coated glass should be exposed to the elements if there is a specific side that should be exposed." Quoted from ANSI Z97.1. (Revised 10/21/2005)

## **CPSC ONLY LABEL**

"Any glazing material that for accelerated environmental durability tests meets only the requirements of 1201.4 (e)(ii)(c) entitled Plastic (indoor service) shall bear the statement 'INDOOR USE ONLY' as a part of the permanent label." Quoted from 16 CFR 1201.

"Organic-coated glass that has been tested for environmental exposure from one side only must bear a permanent label on the coating stating 'GLAZE THIS SIDE IN' and shall bear in the central 50 percent of the surface in letters at least 3" (inches) high: 'SEE PERMANENT LABEL FOR IMPORTANT MOUNTING INSTRUCTIONS.' The latter message shall be attached to either side of the glazing by any means which shall ensure the message will remain in place until installation." Quoted from 16 CFR 1201.

## **CPSC ACT LABELING REQUIREMENTS**

The following information is provided for the guidance of the licensee and is not a requirement of the SGCC® Certification Program.

The Consumer Product Safety Act defines a private labeler and permits private labeling as long as a manufacturer is identified, which can be in code. A "private labeler" means an owner of a brand or trademark on the label of a consumer product, which bears a private label.

Pursuant CPSC Advisory Opinion, dated April 12, 1984, a label on the material or product is acceptable as a certificate of compliance meeting the requirements of the CPSC if the label contains the same information required of a certificate of compliance. This information must include the date of manufacture, the place of manufacture, and the name of the manufacturer, importer, or private labeler. The certificate of compliance may also be a separate document, which accompanies the material or product or is otherwise furnished to each distributor or retailer.

With respect to the CPSC requirement that the certificate of compliance name the manufacturer, a label meets that requirement if it includes a suitable identification of the manufacturer of the product (unless the product bears a private label), in which case it shall identify the private labeler and shall also contain a code mark which shall permit the seller of such product to identify the manufacturer thereof to the purchaser upon his request.

As set forth in SGCC® certification guideline G.5, the SGCC® number designates the name of the licensee and also the location of the manufacturing plant, however, it does not designate the date of manufacture.

**Classified Tempered Glass Patterns Key (SD-100)**

(Revised 2/27/2017 KS Approved 2/27/2017 KJD)

S (Shallow)

M (Medium)

D (Deep)

X (Pattern available but pattern depth not yet classified.)

\*Indicates EN Standard Thickness Tolerance

| Pattern Name      | Manufacturer | Thickness & Pattern Depth |      |      |      |      |     |     |      |     |     |     |     |  |
|-------------------|--------------|---------------------------|------|------|------|------|-----|-----|------|-----|-----|-----|-----|--|
| inches            |              | 1/8                       | 5/32 | 3/16 | n/a  | 7/32 | 1/4 | n/a | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 |  |
| mm                |              | 3                         | 4    | 5    | 0.21 | 5.5  | 6   | 7   | 8    | 10  | 12  | 16  | 19  |  |
| Abstracto         | Saint Gobain |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Altdeutsch F      | Saint Gobain |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Altdeutsch K      | Saint Gobain |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Antique           | Saint Gobain |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Aqua              | AGC          | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Aquatex           | AGC          | S                         | S    | S    | S    | S    | S   |     |      |     |     |     |     |  |
| Aqui              | AGC          | S                         | S    | S    |      |      | S   |     |      | S   |     |     |     |  |
| Arctic*           | Pilkington   |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Arena C/SR Arena  | Saint Gobain | S                         | S    |      |      |      | S   |     |      |     |     |     |     |  |
| Austral*          | Pilkington   |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Autumn*           | Pilkington   |                           | M    |      |      |      | X   |     |      |     |     |     |     |  |
| Autumn            | Saint Gobain |                           |      |      |      |      | S   |     |      |     |     |     |     |  |
| Bamboo            | AGC          |                           |      | D    |      |      |     |     |      |     |     |     |     |  |
| Bamboo            | Guardian     |                           |      |      |      |      |     |     |      | S   |     |     |     |  |
| Bubble            | Guardian     | S                         | S    | S    |      | S    | S   |     |      | S   |     |     |     |  |
| Cascade           | AGC          |                           |      |      | S    | S    |     |     |      |     |     |     |     |  |
| Cast              | Saint Gobain |                           |      |      |      |      |     |     |      | S   |     |     |     |  |
| Chantilly*        | Pilkington   |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Charcoal Sticks*  | Pilkington   |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Chinchilla        | AGC          |                           |      | S    | S    | S    |     |     |      |     |     |     |     |  |
| Citrus            | AGC          | S                         | S    | S    |      |      |     |     |      |     |     |     |     |  |
| Contora*          | Pilkington   |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Cotswold*         | Pilkington   |                           | M    |      |      |      | X   |     |      |     |     |     |     |  |
| Cross Reeded      | AGC          |                           | D    |      |      |      | M   |     |      |     |     |     |     |  |
| Delta             | AGC          |                           | D    |      |      |      | M   |     |      |     |     |     |     |  |
| Digital*          | Pilkington   |                           |      |      |      |      |     |     |      |     |     |     |     |  |
| Esto              | Guardian     |                           |      |      |      |      | M   |     |      | M   | M   |     |     |  |
| Estriado/SR Estr  | Saint Gobain |                           | M    |      |      |      | M   |     |      |     |     |     |     |  |
| Etre              | Guardian     |                           | S    |      |      |      | S   |     |      | S   | S   |     |     |  |
| Everglade*        | Pilkington   |                           | M    |      |      |      | X   |     |      |     |     |     |     |  |
| Flax              | AGC          | M                         | M, S | S    | S    | S    |     |     |      |     |     |     |     |  |
| Flemish*          | Pilkington   |                           | S    |      |      |      | M   |     |      |     |     |     |     |  |
| Floralite         | Guardian     |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Florex            | AGC          | M                         | M    |      |      |      |     |     |      |     |     |     |     |  |
| Florielle*        | Pilkington   |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Flutes            | AGC          |                           | M    | D    |      |      | D   |     |      |     |     |     |     |  |
| Flutex            | AGC          |                           |      | D    |      |      |     |     |      | M   |     |     |     |  |
| Glacier           | AGC          | M                         | M    | D    |      |      | D   |     |      | M   |     |     |     |  |
| Gluechip          | Guardian     | M                         | M    | M    |      | M    | M   |     |      |     |     |     |     |  |
| Ground Glass      | AGC          | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Hammered          | AGC          | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Illusions         | AGC          | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Ima               | Guardian     |                           |      |      |      |      | M   |     |      | M   | M   |     |     |  |
| Industrex         | AGC          | S                         | S    | S    | S    | S    | S   |     |      |     |     |     |     |  |
| Kathedral Klein   | AGC          | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Kathedral Max     | Saint Gobain |                           | S    | S    |      |      |     | S   |      |     |     |     |     |  |
| Kathedral Min     | Saint Gobain |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Konfeta           | AGC          |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Krystal Flutes    | AGC          |                           |      | D    |      |      |     |     |      |     |     |     |     |  |
| Krystal Illusions | AGC          | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Krystal Industrex | AGC          | S                         | S    | S    |      |      | S   |     |      | S   |     |     |     |  |
| Krystal Serenity  | AGC          | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Krystal Storm     | AGC          |                           | S    | S    |      |      | S   |     |      | S   |     |     |     |  |
| Laliva weiss      | Saint Gobain |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Leaf              | AGC          | M                         |      |      |      |      |     |     |      |     |     |     |     |  |
| Listral A         | Saint Gobain |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Listral D         | Saint Gobain |                           | M    |      |      |      |     |     |      |     |     |     |     |  |



| Pattern Name    | Manufacturer   | Thickness & Pattern Depth |      |      |      |      |     |     |      |     |     |     |     |  |
|-----------------|----------------|---------------------------|------|------|------|------|-----|-----|------|-----|-----|-----|-----|--|
| inches          |                | 1/8                       | 5/32 | 3/16 | n/a  | 7/32 | 1/4 | n/a | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 |  |
| mm              |                | 3                         | 4    | 5    | 0.21 | 5.5  | 6   | 7   | 8    | 10  | 12  | 16  | 19  |  |
| Listral F       | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Listral K       | Saint Gobain   |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Listral M       | Saint Gobain   |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Lozenge         | Pilkington     |                           |      | D    |      |      |     |     |      |     |     |     |     |  |
| Madera          | Saint Gobain   |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Maris           | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Master-Carre    | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Master-Carre    | Saint Gobain   |                           | M    |      |      |      | M   |     | M    | M   |     |     |     |  |
| Master-Lens w   | Saint Gobain   |                           | D    |      |      |      | D   |     | D    |     |     |     |     |  |
| Master-Ligne    | Saint Gobain   |                           | M    |      |      |      | M   |     | M    |     |     |     |     |  |
| Master-Point    | Saint Gobain   |                           | M    |      |      |      | M   |     | M    |     |     |     |     |  |
| Master-Ray      | Saint Gobain   |                           | D    |      |      |      | D   |     | D    |     |     |     |     |  |
| Master-Shine    | Saint Gobain   |                           | M    |      |      |      | M   |     | M    | M   |     |     |     |  |
| Mayflower*      | Pilkington     |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Minster*        | Pilkington     |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Mistlite        | Jinjing        |                           | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Monumental M    | Saint Gobain   |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Monumental S    | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Morisco*        | Pilkington     |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Niagara         | Guardian       | M                         | M    | M    |      | M    | M   |     |      | M   | M   |     |     |  |
| Oak*            | Pilkington     |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Optica          | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| P-516           | Guardian       | S                         | S    | S    | S    | S    | S   |     |      | S   | S   |     |     |  |
| Pattern 62      | AGC            | S                         | S    | S    | S    | S    |     |     |      |     |     |     |     |  |
| Pattern 73      | AGC            | M                         | M    |      |      |      |     |     |      |     |     |     |     |  |
| Pebbles         | AGC            |                           | M    |      |      |      | M   |     |      |     |     |     |     |  |
| Pelerine*       | Pilkington     |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Pixels          | AGC            |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Rain            | AGC            | M                         | M    | M    |      |      | S   |     |      | S   |     |     |     |  |
| Rattan*         | Pilkington     | M                         |      |      |      |      |     |     |      |     |     |     |     |  |
| Rayado*         | Pilkington     |                           |      | S    |      |      |     |     |      |     |     |     |     |  |
| Reed            | Saint Gobain   |                           |      |      |      |      | M   |     |      |     |     |     |     |  |
| Reeded*         | Pilkington     |                           | D    |      |      |      | M   |     |      |     |     |     |     |  |
| Sateen          | Skyline Design |                           | S    |      |      |      | S   |     | S    | S   | S   | S   | S   |  |
| Sahara          | Saint Gobain   |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Seashell        | AGC            |                           |      | M    |      | M    |     |     |      |     |     |     |     |  |
| Serenity        | AGC            | S                         | S    | S    |      |      | S   |     |      |     |     |     |     |  |
| Silvit          | Saint Gobain   |                           | D    |      |      |      |     |     | D    | D   |     |     |     |  |
| Skytex          | AGC            |                           |      |      | S    |      |     |     |      |     |     |     |     |  |
| Solatex         | AGC            | S                         | S    | S    |      |      |     |     |      |     |     |     |     |  |
| Solite          | AGC            | S                         | S    | S    |      |      |     |     |      |     |     |     |     |  |
| Sparkel*        | Pilkington     |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Spotlyte        | Saint Gobain   |                           | D    |      |      |      |     |     |      |     |     |     |     |  |
| Spraylite       | Guardian       | S                         | S    | S    | S    | S    | S   |     |      | S   |     |     |     |  |
| SR Listral L    | Saint Gobain   |                           |      |      |      |      | S   |     | S    | S   |     |     |     |  |
| Stippolite*     | Pilkington     |                           | S    |      |      |      | X   |     |      | X   |     |     |     |  |
| Storm           | AGC            |                           | S    | S    |      |      | S   |     |      | S   |     |     |     |  |
| Sunadex         | AGC            |                           |      | S    |      |      |     |     |      |     |     |     |     |  |
| Sycamore*       | Pilkington     |                           | S    |      |      |      | X   |     |      |     |     |     |     |  |
| Taffeta*        | Pilkington     |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Tetra           | Guardian       |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Textured Flutex | AGC            |                           |      | D    |      |      | D   |     |      | M   |     |     |     |  |
| Thela           | Saint Gobain   |                           | S    |      |      |      | S   | S   |      |     |     |     |     |  |
| Velvex          | AGC            | S                         | S    | S    | S    | S    |     |     |      |     |     |     |     |  |
| Vison           | Saint Gobain   |                           | S    |      |      |      | S   |     | S    |     |     |     |     |  |
| Warwick*        | Pilkington     |                           | S    |      |      |      |     |     |      |     |     |     |     |  |
| Waterdrop       | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Yacare*         | Pilkington     |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Zefiro Weiss    | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |  |

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| <b>SGCC No.</b> |                                | <b>SGCC No.</b> |                                       | <b>SGCC No.</b> |                                         |
|-----------------|--------------------------------|-----------------|---------------------------------------|-----------------|-----------------------------------------|
| 12              | Virginia Glass Products Corp.  | 1477            | SCHOTT Gemtron - Sweetwater           | 1830            | Cardinal IG                             |
| 14              | Virginia Glass Products Corp.  | 1508            | Viracon Inc.                          | 1831            | Cardinal IG                             |
| 89              | AGC Flat Glass North America   | 1509            | Viracon Inc.                          | 1834            | Cardinal IG                             |
| 90              | AGC Flat Glass North America   | 1546            | Oldcastle BuildingEnvelope®           | 1841            | Cardinal IG                             |
| 93              | Virginia Glass Products Corp.  | 1547            | Oldcastle BuildingEnvelope®           | 1842            | Cardinal IG                             |
| 94              | Virginia Glass Products Corp.  | 1548            | Oldcastle BuildingEnvelope®           | 1843            | Cardinal IG                             |
| 95              | Virginia Glass Products Corp.  | 1549            | Oldcastle BuildingEnvelope®           | 1844            | Cardinal IG                             |
| 131             | Guardian Glass, LLC            | 1550            | Oldcastle BuildingEnvelope®           | 1845            | Cardinal IG                             |
| 220             | AGC Flat Glass North America   | 1551            | Oldcastle BuildingEnvelope®           | 1865            | Guardian Glass, LLC                     |
| 249             | Vitro Flat Glass, LLC          | 1555            | Swift Glass Co., Inc.                 | 1871            | Solar Seal Massachusetts                |
| 250             | Vitro Flat Glass, LLC          | 1556            | Swift Glass Co., Inc.                 | 1882            | Guardian Glass, LLC                     |
| 382             | Vitro Flat Glass, LLC          | 1557            | Swift Glass Co., Inc.                 | 1889            | Commercial Insulating Glass Co.         |
| 514             | Oldcastle BuildingEnvelope®    | 1558            | Swift Glass Co., Inc.                 | 1890            | Commercial Insulating Glass Co.         |
| 515             | Oldcastle BuildingEnvelope®    | 1559            | Swift Glass Co., Inc.                 | 1891            | Commercial Insulating Glass Co.         |
| 516             | Oldcastle BuildingEnvelope®    | 1575            | Custom Glass Solutions Millbury Corp. | 1901            | EFCO Corporation                        |
| 520             | Anthony International          |                 |                                       | 1902            | EFCO Corporation                        |
| 587             | AGC Flat Glass North America   | 1576            | Custom Glass Solutions Millbury Corp. | 1910            | Coral Industries Glass Division         |
| 598             | AGC Flat Glass North America   |                 |                                       | 1911            | Coral Industries Glass Division         |
| 630             | Oldcastle BuildingEnvelope®    | 1577            | Custom Glass Solutions Millbury Corp. | 1921            | Cardinal CG                             |
| 631             | Guardian Glass, LLC            | 1608            | Oldcastle BuildingEnvelope®           | 1922            | Cardinal CG                             |
| 675             | Vitro Flat Glass, LLC          | 1609            | Oldcastle BuildingEnvelope®           | 1923            | Cardinal CG                             |
| 933             | Guardian Glass, LLC            | 1630            | Guardian Glass, LLC                   | 1924            | Cardinal CG                             |
| 934             | Guardian Glass, LLC            | 1631            | Guardian Glass, LLC                   | 1939            | Solar Seal Massachusetts                |
| 935             | Oldcastle BuildingEnvelope®    | 1632            | Guardian Glass, LLC                   | 1964            | Coral Industries Glass Division         |
| 955             | AGC Flat Glass North America   | 1633            | Guardian Glass, LLC                   | 1979            | Kohler Company                          |
| 968             | Guardian Glass, LLC            | 1634            | Guardian Glass, LLC                   | 1980            | Kohler Company                          |
| 969             | Guardian Glass, LLC            | 1635            | Guardian Glass, LLC                   | 1981            | Kohler Company                          |
| 970             | Guardian Glass, LLC            | 1637            | Viracon Inc.                          | 1982            | Kohler Company                          |
| 971             | Guardian Glass, LLC            | 1677            | Contour Industries, Inc.              | 1983            | Kohler Company                          |
| 999             | Anthony International          | 1678            | Contour Industries, Inc.              | 1984            | Kohler Company                          |
| 1000            | Anthony International          | 1680            | Contour Industries, Inc.              | 1985            | Cardinal CG                             |
| 1035            | Solar Seal Massachusetts       | 1683            | Guardian Glass, LLC                   | 1986            | Cardinal CG                             |
| 1036            | Solar Seal Massachusetts       | 1702            | AGC Flat Glass North America          | 1987            | Cardinal CG                             |
| 1037            | Solar Seal Massachusetts       | 1703            | AGC Flat Glass North America          | 1988            | Cardinal CG                             |
| 1110            | Vitro Flat Glass, LLC          | 1704            | AGC Flat Glass North America          | 1991            | Berkowitz, J.E.                         |
| 1111            | Vitro Flat Glass, LLC          | 1705            | AGC Flat Glass North America          | 1993            | Tecnoglass S.A.                         |
| 1112            | Vitro Flat Glass, LLC          | 1754            | All Team Glass & Mirror, Ltd.         | 1994            | Tecnoglass S.A.                         |
| 1113            | Vitro Flat Glass, LLC          | 1755            | All Team Glass & Mirror, Ltd.         | 1995            | Tecnoglass S.A.                         |
| 1139            | AGC Flat Glass North America   | 1756            | All Team Glass & Mirror, Ltd.         | 1997            | Oldcastle BuildingEnvelope® Canada Inc. |
| 1201            | SCHOTT Gemtron - Sweetwater    | 1757            | All Team Glass & Mirror, Ltd.         | 1998            | Consolidated Glass Corp.                |
| 1248            | Guardian Glass, LLC            | 1758            | All Team Glass & Mirror, Ltd.         | 1999            | Consolidated Glass Corp.                |
| 1249            | Guardian Glass, LLC            | 1784            | Trulite Glass and Aluminum Solutions  | 2002            | Consolidated Glass Corp.                |
| 1250            | Guardian Glass, LLC            | 1785            | Trulite Glass and Aluminum Solutions  | 2003            | Consolidated Glass Corp.                |
| 1251            | Guardian Glass, LLC            | 1786            | Trulite Glass and Aluminum Solutions  | 2004            | Consolidated Glass Corp.                |
| 1253            | Guardian Glass, LLC            | 1787            | Trulite Glass and Aluminum Solutions  | 2005            | Consolidated Glass Corp.                |
| 1301            | Guardian Glass, LLC            | 1788            | Trulite Glass and Aluminum Solutions  | 2007            | Cardinal CG                             |
| 1303            | Guardian Glass, LLC            | 1790            | Trulite Glass and Aluminum Solutions  | 2008            | Cardinal CG                             |
| 1304            | Guardian Glass, LLC            | 1803            | Guardian Glass, LLC                   | 2009            | Cardinal CG                             |
| 1332            | SCHOTT Gemtron - Sweetwater    | 1804            | Cardinal TG                           | 2010            | Cardinal CG                             |
| 1334            | SCHOTT Gemtron - Sweetwater    | 1805            | Cardinal TG                           | 2011            | Cardinal CG                             |
| 1403            | Viracon Inc.                   | 1806            | Cardinal TG                           | 2012            | Cardinal CG                             |
| 1404            | Viracon Inc.                   | 1807            | Cardinal TG                           | 2013            | Cardinal CG                             |
| 1416            | Nashville Tempered Glass Corp. | 1826            | Guardian Glass, LLC                   | 2015            | Prelco Inc.                             |
| 1417            | Nashville Tempered Glass Corp. | 1827            | Cardinal IG                           | 2020            | Guardian Glass, LLC                     |
| 1422            | SCHOTT Gemtron - Sweetwater    | 1828            | Cardinal IG                           | 2021            | Guardian Glass, LLC                     |
| 1424            | SCHOTT Gemtron - Sweetwater    | 1829            | Cardinal IG                           | 2022            | Guardian Glass, LLC                     |
| 1467            | Nashville Tempered Glass Corp. |                 |                                       |                 |                                         |

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|-----------------|-----------------------------------------|-----------------|------------------------------------------------|-----------------|------------------------------------------|
| 2023            | Guardian Glass, LLC                     | 2261            | Guardian Glass, LLC                            | 2458            | Guardian Glass, LLC                      |
| 2024            | Guardian Glass, LLC                     | 2262            | Guardian Glass, LLC                            | 2459            | Guardian Glass, LLC                      |
| 2032            | Cameron Glass, Inc.                     | 2282            | GGI Glass Distributors Corp.                   | 2460            | Guardian Glass, LLC                      |
| 2033            | Cameron Glass, Inc.                     | 2285            | Cardinal IG                                    | 2462            | Cardinal LG                              |
| 2034            | Prelco Inc.                             | 2286            | Cardinal IG                                    | 2467            | United Plate Glass Co., Inc.             |
| 2035            | Prelco Inc.                             | 2287            | Tecnoglass S.A.                                | 2468            | United Plate Glass Co., Inc.             |
| 2048            | Prelco Inc.                             | 2289            | Anthony International                          | 2469            | United Plate Glass Co., Inc.             |
| 2050            | Intigral                                | 2293            | Cardinal CG                                    | 2470            | United Plate Glass Co., Inc.             |
| 2051            | Intigral                                | 2294            | Cardinal CG                                    | 2471            | United Plate Glass Co., Inc.             |
| 2052            | Intigral                                | 2295            | Cardinal CG                                    | 2481            | SAAND Toronto Inc.                       |
| 2055            | Intigral                                | 2296            | Cardinal CG                                    | 2482            | SAAND Toronto Inc.                       |
| 2057            | Patio Enclosures                        | 2306            | Anthony International                          | 2484            | SAAND Toronto Inc.                       |
| 2062            | Oldcastle BuildingEnvelope® Canada Inc. | 2307            | Anthony International                          | 2488            | Kawneer - (Cranberry) an Arconic Company |
| 2067            | Cardinal CG                             | 2310            | Viracon Inc.                                   | 2489            | Kawneer - (Cranberry) an Arconic Company |
| 2068            | Cardinal CG                             | 2311            | Viracon Inc.                                   | 2490            | Kawneer - (Cranberry) an Arconic Company |
| 2069            | Cardinal CG                             | 2314            | Viracon Inc.                                   | 2494            | Nashville Tempered Glass Corp.           |
| 2070            | Cardinal CG                             | 2317            | Cardinal IG                                    | 2497            | Nashville Tempered Glass Corp.           |
| 2071            | Cardinal CG                             | 2318            | Cardinal IG                                    | 2498            | Multiver                                 |
| 2074            | Oldcastle BuildingEnvelope®             | 2319            | Cardinal IG                                    | 2499            | Multiver                                 |
| 2133            | Tecnoglass S.A.                         | 2320            | Cardinal IG                                    | 2501            | Cameron Glass, Inc.                      |
| 2134            | Tecnoglass S.A.                         | 2321            | Cardinal IG                                    | 2507            | AGC-Poma Glass Co. N.A.                  |
| 2135            | Tecnoglass S.A.                         | 2322            | Cardinal IG                                    | 2509            | AGC-Poma Glass Co. N.A.                  |
| 2143            | EFCO Corporation                        | 2323            | Cardinal IG                                    | 2510            | AGC-Poma Glass Co. N.A.                  |
| 2144            | Coral Industries Glass Division         | 2328            | Cardinal IG                                    | 2519            | Guardian Glass, LLC                      |
| 2145            | Coral Industries Glass Division         | 2329            | Cardinal IG                                    | 2543            | Oldcastle BuildingEnvelope® Canada Inc.  |
| 2146            | Cardinal CG                             | 2330            | Cardinal IG                                    | 2544            | Oldcastle BuildingEnvelope® Canada Inc.  |
| 2176            | Cardinal IG                             | 2331            | Cardinal IG                                    | 2545            | Guardian Glass, LLC                      |
| 2177            | Cardinal IG                             | 2352            | Anthony International                          | 2547            | Techni-Glass, Inc.                       |
| 2178            | Cardinal IG                             | 2353            | Anthony International                          | 2548            | Techni-Glass, Inc.                       |
| 2179            | Cardinal IG                             | 2354            | Consolidated Glass Corp.                       | 2549            | Techni-Glass, Inc.                       |
| 2182            | Virginia Glass Products Corp.           | 2355            | Consolidated Glass Corp.                       | 2550            | Techni-Glass, Inc.                       |
| 2185            | Glaz-Tech Industries, Inc.              | 2357            | Cardinal CG                                    | 2569            | Bendheim Wall Systems                    |
| 2186            | Glaz-Tech Industries, Inc.              | 2358            | Cardinal CG                                    | 2570            | Bendheim Wall Systems                    |
| 2187            | Glaz-Tech Industries, Inc.              | 2359            | Cardinal CG                                    | 2572            | Intex Glass (Xiamen) Co., Ltd.           |
| 2189            | Glaz-Tech Industries, Inc.              | 2360            | Cardinal CG                                    | 2573            | Intex Glass (Xiamen) Co., Ltd.           |
| 2193            | Glaz-Tech Industries, Inc.              | 2365            | Tecnoglass S.A.                                | 2574            | Intex Glass (Xiamen) Co., Ltd.           |
| 2203            | Cardinal IG                             | 2381            | Prelco Inc.                                    | 2575            | Intex Glass (Xiamen) Co., Ltd.           |
| 2204            | Cardinal IG                             | 2382            | Guardian Glass, LLC                            | 2576            | Intex Glass (Xiamen) Co., Ltd.           |
| 2205            | Cardinal IG                             | 2389            | PGT Industries                                 | 2577            | Intex Glass (Xiamen) Co., Ltd.           |
| 2210            | Oldcastle BuildingEnvelope®             | 2390            | PGT Industries                                 | 2578            | Amsco Windows                            |
| 2211            | Oldcastle BuildingEnvelope®             | 2391            | PGT Industries                                 | 2580            | Amsco Windows                            |
| 2212            | Oldcastle BuildingEnvelope®             | 2397            | Cardinal IG                                    | 2581            | Amsco Windows                            |
| 2213            | Oldcastle BuildingEnvelope®             | 2399            | Cardinal IG                                    | 2582            | Amsco Windows                            |
| 2214            | Oldcastle BuildingEnvelope®             | 2417            | Nashville Tempered Glass Corp.                 | 2584            | Amsco Windows                            |
| 2215            | Oldcastle BuildingEnvelope®             | 2420            | Nashville Tempered Glass Corp.                 | 2589            | Engineered Glass Products, L.L.C.        |
| 2216            | Oldcastle BuildingEnvelope®             | 2423            | Valentini Glass & Components srl               | 2629            | Multiver                                 |
| 2226            | GGI Glass Distributors Corp.            | 2426            | PGT Industries                                 | 2644            | Coral Industries Glass Division          |
| 2227            | GGI Glass Distributors Corp.            | 2432            | Changshu ZhongXin Building Materials Co., Ltd. | 2646            | Berkowitz, J.E.                          |
| 2228            | GGI Glass Distributors Corp.            | 2434            | Kohler Company                                 | 2647            | Berkowitz, J.E.                          |
| 2231            | Cardinal IG                             | 2445            | Goldray Industries Ltd.                        | 2649            | Guardian Glass, LLC                      |
| 2232            | Cardinal IG                             | 2446            | Goldray Industries Ltd.                        | 2654            | Syracuse Glass Co., Inc.                 |
| 2233            | Cardinal IG                             | 2447            | Goldray Industries Ltd.                        | 2656            | Syracuse Glass Co., Inc.                 |
| 2234            | Cardinal IG                             | 2448            | Goldray Industries Ltd.                        |                 |                                          |
| 2235            | Cardinal IG                             | 2449            | Goldray Industries Ltd.                        |                 |                                          |
| 2259            | Guardian Glass, LLC                     | 2453            | Anthony International                          |                 |                                          |
| 2260            | Guardian Glass, LLC                     | 2455            | Cameron Glass, Inc.                            |                 |                                          |

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| <b>SGCC No.</b> |                                          | <b>SGCC No.</b> |                                         | <b>SGCC No.</b> |                                     |
|-----------------|------------------------------------------|-----------------|-----------------------------------------|-----------------|-------------------------------------|
| 2657            | Syracuse Glass Co., Inc.                 | 2859            | Cardinal IG                             | 3028            | SIGCO, Inc.                         |
| 2661            | Downey Glass Industries, LLC             | 2878            | Cardinal CG                             | 3039            | American Shower Door                |
| 2662            | Downey Glass Industries, LLC             | 2879            | Cardinal CG                             | 3040            | American Shower Door                |
| 2663            | Downey Glass Industries, LLC             | 2880            | Cardinal CG                             | 3041            | American Shower Door                |
| 2664            | Downey Glass Industries, LLC             | 2881            | Cardinal CG                             | 3042            | American Shower Door                |
| 2665            | Downey Glass Industries, LLC             | 2884            | Oldcastle BuildingEnvelope® Canada Inc. | 3043            | American Shower Door                |
| 2666            | AGC-Poma Glass Co. N.A.                  | 2887            | Simonton Windows                        | 3053            | Xinyi Group (Glass) Co., Ltd.       |
| 2678            | Kawneer - (Cranberry) an Arconic Company | 2888            | Simonton Windows                        | 3054            | Xinyi Group (Glass) Co., Ltd.       |
| 2684            | Paragon Tempered Glass                   | 2894            | Tecnoglass S.A.                         | 3055            | Xinyi Group (Glass) Co., Ltd.       |
| 2685            | Paragon Tempered Glass                   | 2898            | Valentini Glass & Components srl        | 3056            | Xinyi Group (Glass) Co., Ltd.       |
| 2686            | Paragon Tempered Glass                   | 2909            | Cardinal FG                             | 3060            | Techni-Glass, Inc.                  |
| 2687            | Paragon Tempered Glass                   | 2910            | Cardinal FG                             | 3061            | Techni-Glass, Inc.                  |
| 2688            | Paragon Tempered Glass                   | 2911            | Cardinal FG                             | 3062            | Techni-Glass, Inc.                  |
| 2691            | Nashville Tempered Glass LLC             | 2912            | Cardinal FG                             | 3067            | SCHOTT Gemtron (Canada) Corporation |
| 2692            | Nashville Tempered Glass LLC             | 2918            | Kohler Company                          | 3068            | Cardinal IG                         |
| 2693            | Nashville Tempered Glass LLC             | 2919            | Cardinal IG                             | 3069            | Cardinal IG                         |
| 2694            | Nashville Tempered Glass LLC             | 2920            | Cardinal IG                             | 3070            | Cardinal IG                         |
| 2699            | Cardinal CG                              | 2921            | Cardinal IG                             | 3071            | Cardinal IG                         |
| 2700            | Cardinal CG                              | 2922            | Cardinal IG                             | 3072            | Cardinal IG                         |
| 2701            | Cardinal CG                              | 2923            | Cardinal IG                             | 3073            | Cardinal IG                         |
| 2702            | Cardinal CG                              | 2924            | Cardinal IG                             | 3074            | Viwinco, Inc.                       |
| 2705            | Cardinal CG                              | 2928            | GGI Glass Distributors Corp.            | 3085            | Xinyi Group (Glass) Co., Ltd.       |
| 2713            | Prelco Inc.                              | 2944            | Coral Industries Glass Division         | 3086            | Chicago Tempered Glass, Inc.        |
| 2715            | Kawneer - (Cranberry) an Arconic Company | 2945            | Coral Industries Glass Division         | 3087            | Chicago Tempered Glass, Inc.        |
| 2716            | Kawneer - (Cranberry) an Arconic Company | 2954            | Cardinal CG                             | 3088            | Chicago Tempered Glass, Inc.        |
| 2719            | Kawneer - (Cranberry) an Arconic Company | 2956            | Cardinal CG                             | 3089            | Chicago Tempered Glass, Inc.        |
| 2728            | Press Glass, Inc.                        | 2957            | Syracuse Glass Co., Inc.                | 3090            | Chicago Tempered Glass, Inc.        |
| 2729            | Press Glass, Inc.                        | 2958            | Syracuse Glass Co., Inc.                | 3095            | Oldcastle BuildingEnvelope®         |
| 2730            | Press Glass, Inc.                        | 2961            | SIGCO, Inc.                             | 3096            | Oldcastle BuildingEnvelope®         |
| 2731            | Press Glass, Inc.                        | 2962            | SIGCO, Inc.                             | 3097            | Oldcastle BuildingEnvelope®         |
| 2732            | Press Glass, Inc.                        | 2963            | SIGCO, Inc.                             | 3098            | Oldcastle BuildingEnvelope®         |
| 2733            | Press Glass, Inc.                        | 2964            | SIGCO, Inc.                             | 3099            | Oldcastle BuildingEnvelope®         |
| 2734            | Press Glass, Inc.                        | 2965            | SIGCO, Inc.                             | 3100            | Oldcastle BuildingEnvelope®         |
| 2748            | Kawneer - (Cranberry) an Arconic Company | 2966            | SIGCO, Inc.                             | 3101            | Oldcastle BuildingEnvelope®         |
| 2751            | Prelco Inc.                              | 2967            | SIGCO, Inc.                             | 3102            | Oldcastle BuildingEnvelope®         |
| 2787            | Trulite Glass and Aluminum Solutions     | 2968            | Quaker Window Products, Inc.            | 3103            | Oldcastle BuildingEnvelope®         |
| 2788            | Trulite Glass and Aluminum Solutions     | 2969            | Quaker Window Products, Inc.            | 3104            | Oldcastle BuildingEnvelope®         |
| 2789            | Trulite Glass and Aluminum Solutions     | 2970            | Quaker Window Products, Inc.            | 3105            | Oldcastle BuildingEnvelope®         |
| 2790            | All Team Glass & Mirror, Ltd.            | 2975            | Techni-Glass, Inc.                      | 3106            | Oldcastle BuildingEnvelope®         |
| 2831            | Cardinal IG                              | 2976            | Cardinal LG                             | 3107            | Oldcastle BuildingEnvelope®         |
| 2833            | Cardinal IG                              | 2980            | AGC Flat Glass North America            | 3108            | Oldcastle BuildingEnvelope®         |
| 2834            | Cardinal IG                              | 2981            | Quality Glass & Mirror, Inc.            | 3109            | Oldcastle BuildingEnvelope®         |
| 2840            | Trulite Glass and Aluminum Solutions     | 2982            | Quality Glass & Mirror, Inc.            | 3110            | Oldcastle BuildingEnvelope®         |
| 2842            | Milgard Tempering                        | 2983            | Quality Glass & Mirror, Inc.            | 3111            | Oldcastle BuildingEnvelope®         |
| 2850            | Eckelt Glas GmbH                         | 2984            | Quality Glass & Mirror, Inc.            | 3112            | Oldcastle BuildingEnvelope®         |
| 2851            | Eckelt Glas GmbH                         | 2985            | Quaker Window Products, Inc.            | 3113            | Oldcastle BuildingEnvelope®         |
| 2852            | Eckelt Glas GmbH                         | 2986            | Quaker Window Products, Inc.            | 3115            | Cardinal IG                         |
| 2853            | Eckelt Glas GmbH                         | 3001            | Solar Seal Massachusetts                | 3116            | Oldcastle BuildingEnvelope®         |
| 2854            | Eckelt Glas GmbH                         | 3002            | Guardian Glass, LLC                     | 3118            | Oldcastle BuildingEnvelope®         |
| 2855            | Eckelt Glas GmbH                         | 3003            | Guardian Glass, LLC                     | 3119            | Oldcastle BuildingEnvelope®         |
| 2857            | Cardinal IG                              | 3017            | Dlubak Corporation                      | 3120            | Oldcastle BuildingEnvelope®         |
| 2858            | Cardinal IG                              | 3018            | Dlubak Corporation                      | 3121            | Oldcastle BuildingEnvelope®         |
|                 |                                          | 3019            | Dlubak Corporation                      | 3122            | Oldcastle BuildingEnvelope®         |
|                 |                                          | 3023            | SAAND Toronto Inc.                      | 3124            | Oldcastle BuildingEnvelope®         |
|                 |                                          | 3025            | Intex Glass (Xiamen) Co., Ltd.          | 3125            | Oldcastle BuildingEnvelope®         |
|                 |                                          | 3027            | Anthony International                   | 3127            | Oldcastle BuildingEnvelope®         |

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| SGCC No. |                                      | SGCC No. |                                                      | SGCC No. |                                      |
|----------|--------------------------------------|----------|------------------------------------------------------|----------|--------------------------------------|
| 3445     | Oldcastle BuildingEnvelope®          | 3557     | Al Abbar Architectural Glass                         | 3793     | Oldcastle BuildingEnvelope®          |
| 3446     | Oldcastle BuildingEnvelope®          | 3558     | Al Abbar Architectural Glass                         | 3796     | Oldcastle BuildingEnvelope®          |
| 3447     | Oldcastle BuildingEnvelope®          | 3560     | Al Abbar Architectural Glass                         | 3805     | Quality Glass & Mirror, Inc.         |
| 3448     | Oldcastle BuildingEnvelope®          | 3561     | Oldcastle BuildingEnvelope®                          | 3806     | Commercial Insulating Glass Co.      |
| 3455     | Cardinal TG                          | 3577     | Vitro Flat Glass, LLC                                | 3807     | Commercial Insulating Glass Co.      |
| 3456     | Cardinal TG                          | 3578     | Vitro Flat Glass, LLC                                | 3808     | Commercial Insulating Glass Co.      |
| 3458     | Cardinal TG                          | 3579     | Cardinal CG                                          | 3810     | Basco Engineered Products            |
| 3459     | Cardinal TG                          | 3580     | Cardinal CG                                          | 3811     | Basco Engineered Products            |
| 3461     | Trulite Glass and Aluminum Solutions | 3581     | Cardinal CG                                          | 3812     | Basco Engineered Products            |
| 3462     | Oldcastle BuildingEnvelope®          | 3583     | Arlene Stained Glass & Door                          | 3822     | Flat Glass Distributors              |
| 3464     | Contractors Wardrobe                 | 3584     | Arlene Stained Glass & Door                          | 3823     | Flat Glass Distributors              |
| 3465     | Contractors Wardrobe                 | 3585     | Arlene Stained Glass & Door                          | 3824     | Flat Glass Distributors              |
| 3466     | Contractors Wardrobe                 | 3599     | Cardinal CG                                          | 3825     | Flat Glass Distributors              |
| 3467     | Contractors Wardrobe                 | 3601     | Cardinal CG                                          | 3826     | Flat Glass Distributors              |
| 3468     | Contractors Wardrobe                 | 3603     | Trulite Glass and Aluminum Solutions                 | 3828     | Flat Glass Distributors              |
| 3469     | Contractors Wardrobe                 | 3619     | Cardinal IG                                          | 3830     | Flat Glass Distributors              |
| 3470     | Contractors Wardrobe                 | 3631     | Intigral                                             | 3831     | Flat Glass Distributors              |
| 3472     | Contractors Wardrobe                 | 3635     | Consolidated Glass Corp.                             | 3839     | Trulite Glass and Aluminum Solutions |
| 3473     | Contractors Wardrobe                 | 3636     | SCHOTT Gemtron (Canada)<br>Corporation               | 3841     | Glenny Glass Co.                     |
| 3474     | Contractors Wardrobe                 | 3637     | SCHOTT Gemtron (Canada)<br>Corporation               | 3843     | Glenny Glass Co.                     |
| 3475     | Contractors Wardrobe                 | 3645     | Trulite Glass and Aluminum Solutions                 | 3844     | Glenny Glass Co.                     |
| 3476     | Contractors Wardrobe                 | 3646     | Trulite Glass and Aluminum Solutions                 | 3845     | Glenny Glass Co.                     |
| 3477     | Contractors Wardrobe                 | 3656     | All Team Glass & Mirror, Ltd.                        | 3846     | Glenny Glass Co.                     |
| 3482     | PGT Industries                       | 3659     | SCHOTT Gemtron (Canada)<br>Corporation               | 3857     | GGI Glass Distributors Corp.         |
| 3485     | Quaker Window Products, Inc.         | 3661     | Galaxy Glass & Stone                                 | 3858     | GGI Glass Distributors Corp.         |
| 3486     | Quaker Window Products, Inc.         | 3672     | Guardian Glass, LLC                                  | 3859     | Innovative Glass of America, Inc.    |
| 3487     | Downey Glass Industries, LLC         | 3673     | Guardian Glass, LLC                                  | 3860     | Innovative Glass of America, Inc.    |
| 3489     | Xinyi Group (Glass) Co., Ltd.        | 3689     | Viracon Inc.                                         | 3861     | Innovative Glass of America, Inc.    |
| 3492     | Oldcastle BuildingEnvelope®          | 3690     | QinHuangDao Tianrui Tempered<br>Technology Glass Co. | 3862     | Innovative Glass of America, Inc.    |
| 3495     | Trulite Glass and Aluminum Solutions | 3698     | AGC-Poma Glass Co. N.A.                              | 3863     | Innovative Glass of America, Inc.    |
| 3496     | Oldcastle BuildingEnvelope®          | 3701     | Dallas Flat Glass                                    | 3864     | Innovative Glass of America, Inc.    |
| 3497     | Oldcastle BuildingEnvelope®          | 3711     | PFG Glass                                            | 3865     | Denver Glass Interiors, Inc.         |
| 3498     | Oldcastle BuildingEnvelope®          | 3714     | Insulite Glass Co., Inc.                             | 3866     | Denver Glass Interiors, Inc.         |
| 3499     | Oldcastle BuildingEnvelope®          | 3715     | Insulite Glass Co., Inc.                             | 3867     | Denver Glass Interiors, Inc.         |
| 3500     | Oldcastle BuildingEnvelope®          | 3716     | Insulite Glass Co., Inc.                             | 3868     | Denver Glass Interiors, Inc.         |
| 3501     | Oldcastle BuildingEnvelope®          | 3717     | Insulite Glass Co., Inc.                             | 3871     | Cardinal Tempering                   |
| 3502     | Oldcastle BuildingEnvelope®          | 3718     | Insulite Glass Co., Inc.                             | 3872     | Cardinal Tempering                   |
| 3503     | Oldcastle BuildingEnvelope®          | 3720     | Insulite Glass Co., Inc.                             | 3873     | Cardinal Tempering                   |
| 3505     | Cardinal IG                          | 3729     | Oldcastle BuildingEnvelope®                          | 3874     | Cardinal Tempering                   |
| 3506     | Cardinal IG                          | 3736     | Yao Xiang Glass Product Co. Ltd.                     | 3875     | Cardinal Tempering                   |
| 3507     | Cardinal IG                          | 3737     | Yao Xiang Glass Product Co. Ltd.                     | 3880     | PGT Industries                       |
| 3508     | Cardinal IG                          | 3738     | Yao Xiang Glass Product Co. Ltd.                     | 3881     | PGT Industries                       |
| 3509     | Cardinal IG                          | 3739     | Yao Xiang Glass Product Co. Ltd.                     | 3886     | Taiwan Glass Industry Corp.          |
| 3510     | Cardinal IG                          | 3740     | Yao Xiang Glass Product Co. Ltd.                     | 3887     | Taiwan Glass Industry Corp.          |
| 3532     | Kohler Company                       | 3741     | Yao Xiang Glass Product Co. Ltd.                     | 3888     | Taiwan Glass Industry Corp.          |
| 3538     | PFG Glass                            | 3742     | Yao Xiang Glass Product Co. Ltd.                     | 3889     | Taiwan Glass Industry Corp.          |
| 3539     | PFG Glass                            | 3743     | Yao Xiang Glass Product Co. Ltd.                     | 3890     | Taiwan Glass Industry Corp.          |
| 3540     | PFG Glass                            | 3745     | Ready Glass & Mirror, Inc.                           | 3891     | Taiwan Glass Industry Corp.          |
| 3541     | PFG Glass                            | 3746     | Ready Glass & Mirror, Inc.                           | 3893     | Taiwan Glass Industry Corp.          |
| 3542     | PFG Glass                            | 3747     | Ready Glass & Mirror, Inc.                           | 3905     | PT Abebersa Pratama                  |
| 3543     | PFG Glass                            | 3748     | Ready Glass & Mirror, Inc.                           | 3906     | PT Abebersa Pratama                  |
| 3544     | PFG Glass                            | 3750     | Berkowitz, J.E.                                      | 3907     | Oldcastle BuildingEnvelope®          |
| 3547     | PFG Glass                            | 3787     | Tai Shan City Da Heng Art Glass Ltd.                 | 3912     | Dillmeier Enterprise, Inc.           |
| 3548     | PFG Glass                            |          |                                                      | 3913     | Dillmeier Enterprise, Inc.           |
| 3549     | PFG Glass                            |          |                                                      | 3914     | Dillmeier Enterprise, Inc.           |
| 3555     | Cardinal CG                          |          |                                                      | 3915     | Dillmeier Enterprise, Inc.           |
| 3556     | Al Abbar Architectural Glass         |          |                                                      | 3916     | Dillmeier Enterprise, Inc.           |

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| <b>SGCC No.</b> |                                            | <b>SGCC No.</b> |                                                | <b>SGCC No.</b> |                                          |
|-----------------|--------------------------------------------|-----------------|------------------------------------------------|-----------------|------------------------------------------|
| 3917            | Dillmeier Enterprise, Inc.                 | 3973            | GGI Glass Distributors Corp.                   | 4057            | Deqing Sanxing Plastic Chemical Co. Ltd. |
| 3918            | Pennsylvania Insulating Glass              | 3974            | GGI Glass Distributors Corp.                   | 4061            | Troy Systems LLC                         |
| 3925            | Trulite Glass and Aluminum Solutions       | 3976            | Al Abbar Architectural Glass                   | 4062            | Troy Systems LLC                         |
| 3927            | Trulite Glass and Aluminum Solutions       | 3977            | Al Abbar Architectural Glass                   | 4063            | Troy Systems LLC                         |
| 3928            | Trulite Glass and Aluminum Solutions       | 3978            | SAAND London                                   | 4067            | Shanghai SYP Engineering Glass           |
| 3931            | Trulite Glass and Aluminum Solutions       | 3979            | SAAND London                                   | 4068            | Shanghai SYP Engineering Glass           |
| 3932            | Dongguan CSG Architectural Glass Co., Ltd. | 3980            | SAAND London                                   | 4069            | Shanghai SYP Engineering Glass           |
| 3933            | Dongguan CSG Architectural Glass Co., Ltd. | 3981            | SAAND London                                   | 4070            | Shanghai SYP Engineering Glass           |
| 3934            | Dongguan CSG Architectural Glass Co., Ltd. | 3991            | JYC Glass Co. Ltd.                             | 4071            | Shanghai SYP Engineering Glass           |
| 3935            | Dongguan CSG Architectural Glass Co., Ltd. | 3992            | JYC Glass Co. Ltd.                             | 4072            | Shanghai SYP Engineering Glass           |
| 3936            | Dongguan CSG Architectural Glass Co., Ltd. | 3993            | JYC Glass Co. Ltd.                             | 4073            | Shanghai SYP Engineering Glass           |
| 3937            | Dongguan CSG Architectural Glass Co., Ltd. | 3994            | JYC Glass Co. Ltd.                             | 4074            | Shanghai SYP Engineering Glass           |
| 3938            | Dongguan CSG Architectural Glass Co., Ltd. | 3999            | Oldcastle BuildingEnvelope®                    | 4075            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3939            | Dongguan CSG Architectural Glass Co., Ltd. | 4001            | Oldcastle BuildingEnvelope®                    | 4076            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3941            | Guangdong Golden Glass Technologies        | 4002            | Custom Glass Products Inc.                     | 4077            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3942            | Guangdong Golden Glass Technologies        | 4003            | Tecnoglass S.A.                                | 4078            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3943            | Guangdong Golden Glass Technologies        | 4004            | Tristar Glass, Inc.                            | 4079            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3944            | Guangdong Golden Glass Technologies        | 4005            | Tristar Glass, Inc.                            | 4080            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3945            | Guangdong Golden Glass Technologies        | 4006            | Tristar Glass, Inc.                            | 4081            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3946            | Guangdong Golden Glass Technologies        | 4007            | Tristar Glass, Inc.                            | 4084            | Tianjin SYP Engineering Glass Co., Ltd.  |
| 3947            | Guangdong Golden Glass Technologies        | 4008            | Tristar Glass, Inc.                            | 4091            | Cardinal IG                              |
| 3948            | United Plate Glass Company of Charlotte    | 4009            | Tristar Glass, Inc.                            | 4103            | Cardinal CG                              |
| 3949            | United Plate Glass Company of Charlotte    | 4011            | Tristar Glass, Inc.                            | 4104            | Cardinal CG                              |
| 3950            | United Plate Glass Company of Charlotte    | 4012            | Kohler Company                                 | 4105            | Cardinal CG                              |
| 3951            | United Plate Glass Company of Charlotte    | 4021            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4120            | Cardinal LG                              |
| 3952            | United Plate Glass Company of Charlotte    | 4022            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4121            | EFCO Corporation                         |
| 3954            | United Plate Glass Company of Charlotte    | 4023            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4123            | Dongguan Dongfa Glass Product Co., Ltd   |
| 3955            | United Plate Glass Company of Charlotte    | 4024            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4124            | Dongguan Dongfa Glass Product Co., Ltd   |
| 3957            | JYC Glass Co. Ltd.                         | 4025            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4125            | Dongguan Dongfa Glass Product Co., Ltd   |
| 3958            | JYC Glass Co. Ltd.                         | 4026            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4126            | Dongguan Dongfa Glass Product Co., Ltd   |
| 3959            | JYC Glass Co. Ltd.                         | 4027            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4132            | Dongguan Dongfa Glass Product Co., Ltd   |
| 3960            | JYC Glass Co. Ltd.                         | 4028            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4133            | Oldcastle BuildingEnvelope®              |
| 3961            | JYC Glass Co. Ltd.                         | 4030            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4134            | Trulite Glass and Aluminum Solutions     |
| 3962            | JYC Glass Co. Ltd.                         | 4031            | General Glass                                  | 4135            | Trulite Glass and Aluminum Solutions     |
| 3963            | JYC Glass Co. Ltd.                         | 4032            | General Glass                                  | 4137            | Cardinal CG                              |
| 3970            | GGI Glass Distributors Corp.               | 4033            | General Glass                                  | 4139            | Basco Engineered Products                |
| 3971            | GGI Glass Distributors Corp.               | 4034            | General Glass                                  | 4146            | Deqing Sanxing Plastic Chemical Co. Ltd. |
| 3972            | GGI Glass Distributors Corp.               | 4046            | AGC Flat Glass North America                   | 4147            | Deqing Sanxing Plastic Chemical Co. Ltd. |
|                 |                                            | 4047            | Cardinal CG                                    | 4148            | Nashville Tempered Glass LLC             |
|                 |                                            | 4048            | WSD Glass, Inc.                                | 4152            | Trulite Glass and Aluminum Solutions     |
|                 |                                            | 4049            | WSD Glass, Inc.                                | 4153            | Trulite Glass and Aluminum Solutions     |
|                 |                                            | 4050            | WSD Glass, Inc.                                | 4154            | EFCO Corporation                         |
|                 |                                            | 4051            | WSD Glass, Inc.                                | 4158            | Trulite Glass and Aluminum Solutions     |
|                 |                                            | 4052            | WSD Glass, Inc.                                |                 |                                          |
|                 |                                            | 4054            | Oldcastle BuildingEnvelope®                    |                 |                                          |
|                 |                                            | 4055            | Deqing Sanxing Plastic Chemical Co. Ltd.       |                 |                                          |
|                 |                                            | 4056            | Deqing Sanxing Plastic Chemical Co. Ltd.       |                 |                                          |

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|-----------------|--------------------------------------------|-----------------|-----------------------------------------|-----------------|------------------------------------------------|
| 4159            | Trulite Glass and Aluminum Solutions       | 4258            | Mercer Glass Fab LLC                    | 4356            | SAAND Toronto Inc.                             |
| 4160            | Trulite Glass and Aluminum Solutions       | 4277            | Trulite Glass and Aluminum Solutions    | 4357            | SAAND Toronto Inc.                             |
| 4161            | JYC Glass Co. Ltd.                         | 4278            | SAAND London                            | 4358            | SAAND Toronto Inc.                             |
| 4167            | Dongguan CSG Architectural Glass Co., Ltd. | 4280            | M&M Tempering Inc.                      | 4362            | Cardinal IG                                    |
| 4169            | W. A. Wilson Inc.                          | 4281            | M&M Tempering Inc.                      | 4363            | Changshu ZhongXin Building Materials Co., Ltd. |
| 4170            | W. A. Wilson Inc.                          | 4282            | M&M Tempering Inc.                      | 4371            | Trulite Glass and Aluminum Solutions           |
| 4171            | W. A. Wilson Inc.                          | 4285            | Contour Industries, Inc.                | 4375            | Press Glass, Inc.                              |
| 4172            | W. A. Wilson Inc.                          | 4290            | Thermo BSL                              | 4376            | Press Glass, Inc.                              |
| 4173            | W. A. Wilson Inc.                          | 4291            | Thermo BSL                              | 4379            | Wholesale Glass Dist.                          |
| 4175            | W. A. Wilson Inc.                          | 4292            | Thermo BSL                              | 4380            | Wholesale Glass Dist.                          |
| 4176            | W. A. Wilson Inc.                          | 4293            | Thermo BSL                              | 4381            | Wholesale Glass Dist.                          |
| 4179            | Xinyi Group (Glass) Co., Ltd.              | 4303            | Jiangmen SYP Engineering Glass Co, Ltd. | 4382            | Wholesale Glass Dist.                          |
| 4180            | Oldcastle BuildingEnvelope®                | 4304            | Jiangmen SYP Engineering Glass Co, Ltd. | 4384            | Oldcastle BuildingEnvelope®                    |
| 4181            | Oldcastle BuildingEnvelope®                | 4305            | Jiangmen SYP Engineering Glass Co, Ltd. | 4387            | Oldcastle BuildingEnvelope®                    |
| 4182            | Trulite Glass and Aluminum Solutions       | 4306            | Jiangmen SYP Engineering Glass Co, Ltd. | 4388            | Engineered Glass Products, L.L.C.              |
| 4183            | Trulite Glass and Aluminum Solutions       | 4307            | Jiangmen SYP Engineering Glass Co, Ltd. | 4390            | Oldcastle BuildingEnvelope®                    |
| 4184            | Trulite Glass and Aluminum Solutions       | 4308            | Jiangmen SYP Engineering Glass Co, Ltd. | 4392            | Oldcastle BuildingEnvelope®                    |
| 4185            | Trulite Glass and Aluminum Solutions       | 4309            | Jiangmen SYP Engineering Glass Co, Ltd. | 4393            | Oldcastle BuildingEnvelope®                    |
| 4186            | Trulite Glass and Aluminum Solutions       | 4310            | Jiangmen SYP Engineering Glass Co, Ltd. | 4394            | Kawneer - (Cranberry) an Arconic Company       |
| 4187            | Trulite Glass and Aluminum Solutions       | 4312            | Jiangmen SYP Engineering Glass Co, Ltd. | 4395            | Kawneer - (Cranberry) an Arconic Company       |
| 4197            | United Plate Glass Company of Charlotte    | 4318            | Maryland Glass & Mirror                 | 4396            | Oldcastle BuildingEnvelope®                    |
| 4198            | Glass and Mirror Craft                     | 4319            | Maryland Glass & Mirror                 | 4397            | Oldcastle BuildingEnvelope®                    |
| 4199            | Glass and Mirror Craft                     | 4320            | Maryland Glass & Mirror                 | 4398            | Oldcastle BuildingEnvelope®                    |
| 4200            | Glass and Mirror Craft                     | 4321            | Maryland Glass & Mirror                 | 4399            | Oldcastle BuildingEnvelope®                    |
| 4202            | Glass and Mirror Craft                     | 4322            | Maryland Glass & Mirror                 | 4400            | Oldcastle BuildingEnvelope®                    |
| 4203            | Glass and Mirror Craft                     | 4326            | SIGCO, Inc.                             | 4401            | Oldcastle BuildingEnvelope®                    |
| 4204            | Glass and Mirror Craft                     | 4327            | SIGCO, Inc.                             | 4402            | Oldcastle BuildingEnvelope®                    |
| 4206            | SIGCO, Inc.                                | 4328            | Aldora Aluminum and Glass Products Inc. | 4411            | Tristar Glass, Inc.                            |
| 4207            | Trulite Glass and Aluminum Solutions       | 4330            | Aldora Aluminum and Glass Products Inc. | 4413            | Press Glass, Inc.                              |
| 4209            | Trulite Glass and Aluminum Solutions       | 4331            | Aldora Aluminum and Glass Products Inc. | 4414            | Press Glass, Inc.                              |
| 4210            | Trulite Glass and Aluminum Solutions       | 4335            | Aldora Aluminum and Glass Products Inc. | 4419            | Garibaldi Glass Ind. Inc.                      |
| 4212            | Trulite Glass and Aluminum Solutions       | 4336            | Aldora Aluminum and Glass Products Inc. | 4420            | Garibaldi Glass Ind. Inc.                      |
| 4213            | Trulite Glass and Aluminum Solutions       | 4337            | Aldora Aluminum and Glass Products Inc. | 4421            | Garibaldi Glass Ind. Inc.                      |
| 4214            | Trulite Glass and Aluminum Solutions       | 4340            | Oldcastle BuildingEnvelope®             | 4422            | Garibaldi Glass Ind. Inc.                      |
| 4215            | Trulite Glass and Aluminum Solutions       | 4342            | Trulite Glass and Aluminum Solutions    | 4424            | Oldcastle BuildingEnvelope®                    |
| 4216            | Trulite Glass and Aluminum Solutions       | 4343            | Cardinal CG                             | 4425            | Fairis C.A.                                    |
| 4217            | Trulite Glass and Aluminum Solutions       | 4344            | Cardinal CG                             | 4426            | Fairis C.A.                                    |
| 4219            | Trulite Glass and Aluminum Solutions       | 4345            | Cardinal CG                             | 4427            | Fairis C.A.                                    |
| 4220            | Trulite Glass and Aluminum Solutions       | 4346            | Oldcastle BuildingEnvelope®             | 4428            | Fairis C.A.                                    |
| 4221            | Trulite Glass and Aluminum Solutions       | 4347            | Cardinal CG                             | 4429            | Fairis C.A.                                    |
| 4225            | Trulite Glass and Aluminum Solutions       | 4350            | Cardinal LG                             | 4430            | Fairis C.A.                                    |
| 4226            | Trulite Glass and Aluminum Solutions       | 4351            | Cardinal LG                             | 4433            | Oldcastle BuildingEnvelope® Canada Inc.        |
| 4227            | Trulite Glass and Aluminum Solutions       | 4354            | Viracon Inc.                            | 4435            | Oldcastle BuildingEnvelope® Canada Inc.        |
| 4233            | Trulite Glass and Aluminum Solutions       | 4355            | All Team Glass & Mirror, Ltd.           | 4437            | Trulite Glass and Aluminum Solutions           |
| 4240            | Industrial Tempering Glass                 |                 |                                         | 4443            | Oldcastle BuildingEnvelope®                    |
| 4246            | Valentini Glass & Components srl           |                 |                                         | 4444            | Oldcastle BuildingEnvelope®                    |
| 4247            | Oldcastle BuildingEnvelope® Canada Inc.    |                 |                                         | 4446            | Oldcastle BuildingEnvelope®                    |
| 4248            | GGI Glass Distributors Corp.               |                 |                                         | 4448            | Oldcastle BuildingEnvelope®                    |
| 4249            | Viracon Inc.                               |                 |                                         | 4449            | Oldcastle BuildingEnvelope®                    |
| 4250            | Viracon Inc.                               |                 |                                         | 4453            | Trulite Glass and Aluminum Solutions           |
| 4254            | Mercer Glass Fab LLC                       |                 |                                         | 4454            | Oldcastle BuildingEnvelope®                    |
| 4255            | Mercer Glass Fab LLC                       |                 |                                         | 4458            | Oldcastle BuildingEnvelope®                    |
| 4256            | Mercer Glass Fab LLC                       |                 |                                         |                 |                                                |
| 4257            | Mercer Glass Fab LLC                       |                 |                                         |                 |                                                |



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| SGCC No. |                                          | SGCC No. |                                                     | SGCC No. |                                          |
|----------|------------------------------------------|----------|-----------------------------------------------------|----------|------------------------------------------|
| 4460     | Oldcastle BuildingEnvelope®              | 4591     | New Angle Beveling                                  | 4663     | The Original Frameless Shower Door       |
| 4461     | Oldcastle BuildingEnvelope®              | 4592     | New Angle Beveling                                  | 4668     | Kohler Company                           |
| 4470     | Thermoseal Industries, a Senneca Company | 4593     | New Angle Beveling                                  | 4675     | Reem Emirates Aluminum & Glass           |
| 4471     | Thermoseal Industries, a Senneca Company | 4594     | New Angle Beveling                                  | 4676     | Reem Emirates Aluminum & Glass           |
| 4473     | Insulite Glass Co., Inc.                 | 4595     | New Angle Beveling                                  | 4677     | Reem Emirates Aluminum & Glass           |
| 4474     | Insulite Glass Co., Inc.                 | 4597     | White Aluminum Enterprises LLC                      | 4682     | Integral Seal Mfg. Inc.                  |
| 4475     | Oldcastle BuildingEnvelope®              | 4598     | White Aluminum Enterprises LLC                      | 4683     | Integral Seal Mfg. Inc.                  |
| 4476     | Oldcastle BuildingEnvelope®              | 4599     | Cardinal CG                                         | 4684     | Integral Seal Mfg. Inc.                  |
| 4477     | Oldcastle BuildingEnvelope®              | 4604     | Guardian Industries Corp.                           | 4688     | Basco Engineered Products                |
| 4499     | Advantec Global Innovations              | 4605     | Guardian Industries Corp.                           | 4689     | Basco Engineered Products                |
| 4500     | Advantec Global Innovations              | 4606     | Guardian Industries Corp.                           | 4700     | Oldcastle BuildingEnvelope®              |
| 4501     | Advantec Global Innovations              | 4607     | Guardian Industries Corp.                           | 4701     | Contour Industries, Inc.                 |
| 4502     | Advantec Global Innovations              | 4608     | Guardian Industries Corp.                           | 4702     | Contour Industries, Inc.                 |
| 4503     | Advantec Global Innovations              | 4609     | Guardian Industries Corp.                           | 4703     | Contour Industries, Inc.                 |
| 4504     | Advantec Global Innovations              | 4610     | Guardian Industries Corp.                           | 4704     | Contour Industries, Inc.                 |
| 4505     | Advantec Global Innovations              | 4611     | Guardian Industries Corp.                           | 4705     | Contour Industries, Inc.                 |
| 4506     | Advantec Global Innovations              | 4612     | Guardian Industries Corp.                           | 4710     | Oldcastle BuildingEnvelope®              |
| 4507     | Denver Glass Interiors, Inc.             | 4613     | Guardian Industries Corp.                           | 4711     | Pulp Studio, Inc.                        |
| 4508     | Denver Glass Interiors, Inc.             | 4618     | Oldcastle BuildingEnvelope®                         | 4714     | Consolidated Glass Corp.                 |
| 4509     | Techni-Glass, Inc.                       | 4620     | Cardinal CT                                         | 4716     | Aldora Aluminum and Glass Products, Inc. |
| 4510     | Techni-Glass, Inc.                       | 4621     | Cardinal CT                                         | 4717     | Aldora Aluminum and Glass Products, Inc. |
| 4512     | Perficom S.A. DE C.V.                    | 4622     | Cardinal CT                                         | 4718     | Aldora Aluminum and Glass Products, Inc. |
| 4517     | Blue Star Glass Inc.                     | 4623     | Cardinal CT                                         | 4719     | Aldora Aluminum and Glass Products, Inc. |
| 4518     | Blue Star Glass Inc.                     | 4624     | Cardinal CT                                         | 4720     | Viracon Inc.                             |
| 4519     | Blue Star Glass Inc.                     | 4625     | Cardinal CT                                         | 4722     | Fairis C.A.                              |
| 4520     | Blue Star Glass Inc.                     | 4626     | Downey Glass Industries, LLC                        | 4723     | Guangdong Golden Glass Technologies      |
| 4521     | Blue Star Glass Inc.                     | 4627     | Guardian Industries Corp.                           | 4724     | Basco Engineered Products                |
| 4522     | Trulite Glass and Aluminum Solutions     | 4628     | Glass Enterprises, Inc.                             | 4725     | View Inc.                                |
| 4526     | Oldcastle BuildingEnvelope®              | 4629     | Glass Enterprises, Inc.                             | 4726     | View Inc.                                |
| 4527     | Oldcastle BuildingEnvelope®              | 4633     | Guardian Industries Corp.                           | 4727     | View Inc.                                |
| 4528     | Oldcastle BuildingEnvelope®              | 4636     | United Plate Glass Company of Charlotte             | 4728     | View Inc.                                |
| 4529     | Oldcastle BuildingEnvelope®              | 4638     | Flat Glass Distributors                             | 4729     | Dolphin Glass Specialists, LLC           |
| 4530     | Mercer Glass Fab LLC                     | 4639     | Productos De Valor Agregado en Cristal S.A. de C.V. | 4730     | Tacoma Glass Mfg. Inc.                   |
| 4533     | Oldcastle BuildingEnvelope®              | 4640     | Productos De Valor Agregado en Cristal S.A. de C.V. | 4731     | Tacoma Glass Mfg. Inc.                   |
| 4546     | Cleer Vision Tempered Glass              | 4641     | Productos De Valor Agregado en Cristal S.A. de C.V. | 4732     | Tacoma Glass Mfg. Inc.                   |
| 4547     | Cleer Vision Tempered Glass              | 4642     | Productos De Valor Agregado en Cristal S.A. de C.V. | 4735     | Tacoma Glass Mfg. Inc.                   |
| 4558     | Oldcastle BuildingEnvelope®              | 4643     | Amsco Windows                                       | 4742     | Cardinal CT                              |
| 4563     | Oldcastle BuildingEnvelope®              | 4645     | Productos De Valor Agregado en Cristal S.A. de C.V. | 4744     | Trulite Glass and Aluminum Solutions     |
| 4566     | Dallas Flat Glass                        | 4648     | Xinyi Group (Glass) Co., Ltd.                       | 4745     | Trulite Glass and Aluminum Solutions     |
| 4567     | Dallas Flat Glass                        | 4651     | Vitra Vidrios Transformados SA de CV                | 4746     | Trulite Glass and Aluminum Solutions     |
| 4571     | Architectural Glass Products, LLC.       | 4652     | Vitra Vidrios Transformados SA de CV                | 4747     | Trulite Glass and Aluminum Solutions     |
| 4572     | Architectural Glass Products, LLC.       | 4653     | Vitra Vidrios Transformados SA de CV                | 4748     | Trulite Glass and Aluminum Solutions     |
| 4573     | Architectural Glass Products, LLC.       | 4654     | Vitra Vidrios Transformados SA de CV                | 4749     | Trulite Glass and Aluminum Solutions     |
| 4574     | Architectural Glass Products, LLC.       | 4655     | Vitra Vidrios Transformados SA de CV                | 4750     | Trulite Glass and Aluminum Solutions     |
| 4575     | Jiangmen SYP Engineering Glass Co, Ltd.  | 4657     | Changshu Xingfu Glass Building Material Co., LTD    | 4753     | Trulite Glass and Aluminum Solutions     |
| 4578     | Cardinal CT                              | 4658     | Guardian Industries Corp.                           | 4754     | Trulite Glass and Aluminum Solutions     |
| 4579     | Cardinal CT                              | 4662     | The Original Frameless Shower Door                  | 4756     | Cardinal CT                              |
| 4580     | Cardinal CT                              |          |                                                     | 4757     | Cardinal CT                              |
| 4581     | Cardinal CT                              |          |                                                     | 4758     | Cardinal CT                              |
| 4582     | Cardinal CT                              |          |                                                     | 4759     | Cardinal CT                              |
| 4584     | Cardinal IG                              |          |                                                     | 4760     | Cardinal CT                              |
| 4587     | Cardinal IG                              |          |                                                     | 4763     | Dallas Flat Glass                        |
| 4588     | Intigral                                 |          |                                                     |          |                                          |
| 4590     | Al Abbar Architectural Glass             |          |                                                     |          |                                          |

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| SGCC No. |                                                                | SGCC No. |                                                                | SGCC No. |                                            |
|----------|----------------------------------------------------------------|----------|----------------------------------------------------------------|----------|--------------------------------------------|
| 4764     | Global Security Glazing                                        | 4851     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 4953     | SAAND Ottawa                               |
| 4765     | Global Security Glazing                                        |          |                                                                | 4954     | SAAND Ottawa                               |
| 4766     | Global Security Glazing                                        | 4870     | Tai Sheng (Dong Guan) Glass Co.,Ltd                            | 4966     | Vidrio Bisel S.A. de C.V. (Santa Catarina) |
| 4767     | Global Security Glazing                                        | 4872     | Tai Sheng (Dong Guan) Glass Co.,Ltd                            | 4967     | Vidrio Bisel S.A. de C.V. (Santa Catarina) |
| 4768     | Global Security Glazing                                        | 4873     | Tai Sheng (Dong Guan) Glass Co.,Ltd                            | 4968     | Vidrio Bisel S.A. de C.V. (Santa Catarina) |
| 4769     | Global Security Glazing                                        | 4881     | Cardinal TG                                                    | 4969     | Vidrio Bisel S.A. de C.V. (Santa Catarina) |
| 4770     | Global Security Glazing                                        | 4882     | Oldcastle BuildingEnvelope®                                    |          |                                            |
| 4774     | GGI Glass Distributors Corp.                                   | 4883     | AGNORA LTD                                                     | 4970     | Contract Glass                             |
| 4775     | Cardinal CG                                                    | 4884     | AGNORA LTD                                                     | 4971     | Contract Glass                             |
| 4779     | Viracon Inc.                                                   | 4885     | AGNORA LTD                                                     | 4972     | Contract Glass                             |
| 4780     | Cardinal CG                                                    | 4886     | AGNORA LTD                                                     | 4973     | Contract Glass                             |
| 4781     | Cardinal CG                                                    | 4889     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4974     | Contract Glass                             |
| 4783     | Cardinal CG                                                    |          |                                                                | 4975     | Contract Glass                             |
| 4784     | Viracon Inc.                                                   | 4890     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4978     | Simonton Windows                           |
| 4785     | Consolidated Glass Corp.                                       | 4891     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4979     | Simonton Windows                           |
| 4787     | Oldcastle BuildingEnvelope®                                    | 4893     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4981     | Trulite Glass and Aluminum Solutions       |
| 4788     | Productos De Valor Agregado en Cristal S.A. de C.V.            | 4894     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4993     | Tweddells Inc.                             |
| 4789     | Aldora Aluminum and Glass Products, Inc.                       | 4895     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4995     | SAAND Rexdale                              |
| 4790     | Dallas Flat Glass                                              | 4896     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4996     | SAAND Rexdale                              |
| 4792     | D3 Glass, LLC                                                  | 4897     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 4997     | SAAND Rexdale                              |
| 4793     | D3 Glass, LLC                                                  |          |                                                                | 4998     | SAAND Rexdale                              |
| 4795     | D3 Glass, LLC                                                  | 4900     | NY Tempering LLC                                               | 4999     | SAAND Rexdale                              |
| 4796     | Gulf Glass Industries, LLC                                     | 4901     | NY Tempering LLC                                               | 5000     | SAAND Rexdale                              |
| 4797     | Gulf Glass Industries, LLC                                     | 4902     | NY Tempering LLC                                               | 5001     | SAAND Rexdale                              |
| 4798     | Gulf Glass Industries, LLC                                     | 4903     | NY Tempering LLC                                               | 5002     | SAAND Rexdale                              |
| 4799     | Gulf Glass Industries, LLC                                     | 4904     | Prelco Inc.                                                    | 5010     | Tempco Glass                               |
| 4800     | Guardian Industries Corp.                                      | 4905     | Prelco Inc.                                                    | 5011     | Tempco Glass                               |
| 4804     | Glasswerks GWLA- East                                          | 4906     | Prelco Inc.                                                    | 5012     | Tempco Glass                               |
| 4805     | Glasswerks GWLA- East                                          | 4911     | Prelco Inc.                                                    | 5013     | Tempco Glass                               |
| 4806     | Glasswerks GWLA- East                                          | 4912     | Prelco Inc.                                                    | 5014     | EFI                                        |
| 4811     | Paragon Tempered Glass                                         | 4913     | Prelco Inc.                                                    | 5016     | SAGE Electrochromics Inc.                  |
| 4813     | McGrory Glass                                                  | 4914     | Prelco Inc.                                                    | 5017     | Viracon Inc.                               |
| 4814     | McGrory Glass                                                  | 4915     | Prelco Inc.                                                    | 5019     | S.F. Tempering                             |
| 4815     | McGrory Glass                                                  | 4916     | Prelco Inc.                                                    | 5020     | S.F. Tempering                             |
| 4816     | McGrory Glass                                                  | 4917     | Prelco Inc.                                                    | 5021     | S.F. Tempering                             |
| 4817     | McGrory Glass                                                  | 4918     | Troy Systems LLC                                               | 5024     | Oldcastle BuildingEnvelope® Canada Inc.    |
| 4818     | McGrory Glass                                                  | 4921     | Columbia Commercial Bldg Prod.                                 | 5025     | Oldcastle BuildingEnvelope® Canada Inc.    |
| 4819     | McGrory Glass                                                  | 4922     | Trulite Glass and Aluminum Solutions                           | 5026     | EFI                                        |
| 4820     | McGrory Glass                                                  | 4923     | Trulite Glass and Aluminum Solutions                           | 5027     | Interglass Corp                            |
| 4827     | Trulite Glass and Aluminum Solutions                           | 4924     | Glass and Mirror Craft                                         | 5032     | Interglass Corp                            |
| 4829     | Guardian Industries Corp.                                      | 4925     | McGrory Glass                                                  | 5033     | Interglass Corp                            |
| 4832     | Cameron Glass, Inc.                                            | 4926     | Upstate Glass Tempering Inc.                                   | 5034     | Interglass Corp                            |
| 4836     | Cardinal IG                                                    | 4927     | Upstate Glass Tempering Inc.                                   | 5035     | Interglass Corp                            |
| 4837     | Berkowitz, J.E.                                                | 4928     | JM Glass                                                       | 5036     | Interglass Corp                            |
| 4838     | Dillmeier Enterprise, Inc.                                     | 4929     | JM Glass                                                       | 5037     | Vitra Vidrios Transformados SA de CV       |
| 4839     | Dillmeier Enterprise, Inc.                                     | 4930     | JM Glass                                                       |          |                                            |
| 4841     | Cardinal LG                                                    | 4931     | JM Glass                                                       | 5039     | Triview Glass Industries                   |
| 4842     | Cardinal LG                                                    | 4936     | Changshu Zhouxing Glass Co. Ltd.                               | 5040     | Triview Glass Industries                   |
| 4843     | Cardinal LG                                                    | 4949     | SAAND Ottawa                                                   | 5041     | Triview Glass Industries                   |
| 4844     | Cardinal LG                                                    | 4950     | SAAND Ottawa                                                   | 5042     | Triview Glass Industries                   |
| 4846     | Al Abbar Architectural Glass                                   | 4951     | SAAND Ottawa                                                   | 5043     | Triview Glass Industries                   |
| 4847     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 4952     | SAAND Ottawa                                                   | 5044     | Triview Glass Industries                   |
| 4848     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |          |                                                                | 5045     | Triview Glass Industries                   |

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| <b>SGCC No.</b> |                                                       | <b>SGCC No.</b> |                                                           | <b>SGCC No.</b> |                                                  |
|-----------------|-------------------------------------------------------|-----------------|-----------------------------------------------------------|-----------------|--------------------------------------------------|
| 5046            | Triview Glass Industries                              | 5128            | GlassFab Tempering Services, Inc. Mariani Ct.             | 5206            | Vitro Architectural Glass                        |
| 5047            | Triview Glass Industries                              |                 |                                                           | 5207            | Vitro Architectural Glass                        |
| 5048            | Triview Glass Industries                              | 5129            | Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd | 5208            | EFI                                              |
| 5050            | Techni-Glass, Inc.                                    |                 |                                                           | 5210            | EFI                                              |
| 5051            | Oldcastle BuildingEnvelope®                           | 5130            | Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd | 5211            | EFI                                              |
| 5052            | Jiangmen SYP Engineering Glass Co, Ltd.               | 5133            | Guardian Glass, LLC                                       | 5212            | Aluminum Technology Auxiliary Industries         |
| 5053            | Jiangmen SYP Engineering Glass Co, Ltd.               | 5134            | Trulite Glass and Aluminum Solutions                      | 5213            | SIGCO, Inc.                                      |
| 5054            | Jiangmen SYP Engineering Glass Co, Ltd.               | 5135            | Inkan Ltd                                                 | 5216            | Fujian Xihe Sanitary Ware Technology Co., Ltd    |
| 5055            | Jiangmen SYP Engineering Glass Co, Ltd.               | 5136            | Inkan Ltd                                                 |                 |                                                  |
| 5067            | Tai Sheng (Dong Guan) Glass Co.,Ltd                   | 5137            | Inkan Ltd                                                 | 5217            | Fujian Xihe Sanitary Ware Technology Co., Ltd    |
| 5068            | Tai Sheng (Dong Guan) Glass Co.,Ltd                   | 5138            | Inkan Ltd                                                 |                 |                                                  |
| 5076            | Basco Engineered Products                             | 5139            | Inkan Ltd                                                 | 5218            | Fujian Xihe Sanitary Ware Technology Co., Ltd    |
| 5077            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5140            | Inkan Ltd                                                 |                 |                                                  |
|                 |                                                       | 5141            | Qinhuangdao Qicaishi Glass Processing Co., Ltd.           | 5219            | Garibaldi Glass Ind. Inc.                        |
| 5078            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5142            | Guardian Glass, LLC                                       | 5220            | Tianjin Northglass Industrial Technical Co., Ltd |
| 5079            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5143            | Glaz-Tech Industries, Inc.                                | 5221            | Tianjin Northglass Industrial Technical Co., Ltd |
| 5080            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5144            | Bendheim Wall Systems                                     | 5222            | Berkowitz, J.E.                                  |
| 5084            | Aluminum Technology Auxiliary Industries              | 5145            | Bendheim Wall Systems                                     | 5223            | Tianjin Northglass Industrial Technical Co., Ltd |
| 5085            | Cardinal CT                                           | 5151            | Changshu Xingfu Glass Building Material Co., LTD          | 5224            | Cardinal LG Northeast                            |
| 5086            | Cardinal CT                                           | 5152            | Changshu Xingfu Glass Building Material Co., LTD          | 5225            | Cardinal LG Northeast                            |
| 5087            | Cardinal CT                                           | 5157            | Upstate Glass Tempering Inc.                              | 5226            | Multiver                                         |
| 5088            | Cardinal CT                                           | 5158            | Upstate Glass Tempering Inc.                              | 5227            | Multiver                                         |
| 5089            | Cardinal CT                                           | 5159            | Classy Glass Specialties Co., Ltd                         | 5228            | Multiver                                         |
| 5090            | Fujian Xihe Sanitary Ware Technology Co., Ltd         | 5160            | Classy Glass Specialties Co., Ltd                         | 5229            | Nashville Tempered Glass LLC                     |
| 5091            | Fujian Xihe Sanitary Ware Technology Co., Ltd         | 5161            | Classy Glass Specialties Co., Ltd                         | 5230            | Nashville Tempered Glass LLC                     |
| 5092            | Fujian Xihe Sanitary Ware Technology Co., Ltd         | 5162            | Classy Glass Specialties Co., Ltd                         | 5231            | Nashville Tempered Glass LLC                     |
|                 |                                                       | 5163            | Classy Glass Specialties Co., Ltd                         | 5234            | Anthony International                            |
| 5095            | Cardinal CT                                           | 5164            | Classy Glass Specialties Co., Ltd                         | 5242            | Paragon Tempered Glass                           |
| 5096            | Cardinal CT                                           | 5165            | Tacoma Glass Mfg. Inc.                                    | 5245            | Cardinal CT - W                                  |
| 5097            | Cardinal CT                                           | 5166            | Tacoma Glass Mfg. Inc.                                    | 5246            | Cardinal CT - W                                  |
| 5098            | Cardinal CT                                           | 5167            | Tacoma Glass Mfg. Inc.                                    | 5247            | Cardinal CT - W                                  |
| 5099            | Cardinal CT                                           | 5169            | Classy Glass Specialties Co., Ltd                         | 5248            | Cardinal CT - W                                  |
| 5100            | Cardinal CT                                           | 5173            | W. A. Wilson Inc.                                         | 5249            | Cardinal CT - W                                  |
| 5101            | Cardinal CT - S                                       | 5174            | Blue Star Glass Inc.                                      | 5250            | Cardinal CT - W                                  |
| 5102            | Cardinal CT - S                                       | 5175            | Blue Star Glass Inc.                                      | 5251            | Wujiang Golden Glass Technologies, Ltd.          |
| 5103            | Cardinal CT - S                                       | 5183            | Trulite Glass and Aluminum Solutions                      | 5252            | Wujiang Golden Glass Technologies, Ltd.          |
| 5104            | Cardinal CT - S                                       | 5184            | Trulite Glass and Aluminum Solutions                      | 5253            | Wujiang Golden Glass Technologies, Ltd.          |
| 5105            | Cardinal CT - S                                       | 5185            | Trulite Glass and Aluminum Solutions                      | 5254            | Wujiang Golden Glass Technologies, Ltd.          |
| 5106            | Cardinal CT - S                                       | 5186            | Trulite Glass and Aluminum Solutions                      | 5255            | Wujiang Golden Glass Technologies, Ltd.          |
| 5109            | Tristar Glass, Inc.                                   | 5187            | Trulite Glass and Aluminum Solutions                      | 5256            | Wujiang Golden Glass Technologies, Ltd.          |
| 5112            | Tacoma Glass Mfg. Inc.                                | 5188            | Trulite Glass and Aluminum Solutions                      | 5257            | Wujiang Golden Glass Technologies, Ltd.          |
| 5116            | Glass and Mirror Craft                                | 5189            | Trulite Glass and Aluminum Solutions                      | 5258            | Wujiang Golden Glass Technologies, Ltd.          |
| 5121            | Downey Glass Industries, LLC                          | 5190            | Trulite Glass and Aluminum Solutions                      | 5259            | Press Glass, Inc.                                |
| 5122            | Downey Glass Industries, LLC                          | 5191            | Trulite Glass and Aluminum Solutions                      | 5260            | Dalian Huaying Glass Limited Liability Co.       |
| 5123            | Troy Systems LLC                                      | 5192            | Trulite Glass and Aluminum Solutions                      |                 |                                                  |
| 5124            | Garibaldi Glass Ind. Inc.                             | 5193            | Cardinal LG                                               | 5261            | Dalian Huaying Glass Limited Liability Co.       |
| 5125            | Garibaldi Glass Ind. Inc.                             | 5194            | Virginia Glass Products Corp.                             | 5263            | McGrory Glass                                    |
| 5127            | Arlene Stained Glass & Door                           | 5199            | Robover Inc.                                              |                 |                                                  |
|                 |                                                       | 5200            | Robover Inc.                                              |                 |                                                  |
|                 |                                                       | 5201            | Robover Inc.                                              |                 |                                                  |
|                 |                                                       | 5202            | Robover Inc.                                              |                 |                                                  |
|                 |                                                       | 5203            | Basco Engineered Products                                 |                 |                                                  |
|                 |                                                       | 5204            | Vitro Architectural Glass                                 |                 |                                                  |
|                 |                                                       | 5205            | Vitro Architectural Glass                                 |                 |                                                  |

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| <b>SGCC No.</b> |                                        | <b>SGCC No.</b> |                                                                | <b>SGCC No.</b> |                                                 |
|-----------------|----------------------------------------|-----------------|----------------------------------------------------------------|-----------------|-------------------------------------------------|
| 5272            | Trulite Glass and Aluminum Solutions   | 5365            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 5463            | Unitex Glass Chengdu Co., Ltd                   |
| 5273            | Trulite Glass and Aluminum Solutions   |                 |                                                                | 5464            | Zhangjiagang City Daming Glass Product Co., Ltd |
| 5274            | Trulite Glass and Aluminum Solutions   | 5366            | Bronco Industries, Inc.                                        |                 |                                                 |
| 5275            | Trulite Glass and Aluminum Solutions   | 5367            | Bronco Industries, Inc.                                        | 5465            | Zhangjiagang City Daming Glass Product Co., Ltd |
| 5276            | Trulite Glass and Aluminum Solutions   | 5368            | Bronco Industries, Inc.                                        |                 |                                                 |
| 5277            | Trulite Glass and Aluminum Solutions   | 5369            | Kawneer - (Cranberry) an Arconic Company                       | 5466            | Zhangjiagang City Daming Glass Product Co., Ltd |
| 5279            | Trulite Glass and Aluminum Solutions   |                 |                                                                |                 |                                                 |
| 5280            | Qinhuangdao Jingxin Glass Co., Ltd.    | 5384            | Tweddells Inc.                                                 | 5467            | Sky Land Tempering Glass Corp                   |
| 5281            | Cardinal CG                            | 5385            | Tweddells Inc.                                                 | 5468            | Sky Land Tempering Glass Corp                   |
| 5283            | American Insulated Glass Inc.          | 5386            | Tweddells Inc.                                                 | 5469            | Sky Land Tempering Glass Corp                   |
| 5284            | American Insulated Glass Inc.          | 5387            | Oldcastle BuildingEnvelope®                                    | 5470            | Sky Land Tempering Glass Corp                   |
| 5285            | American Insulated Glass Inc.          | 5393            | Vitemex                                                        | 5471            | AGC, Poma Glass Co. N.A.                        |
| 5286            | American Insulated Glass Inc.          | 5394            | Vitemex                                                        | 5473            | AGC, Poma Glass Co. N.A.                        |
| 5287            | American Insulated Glass Inc.          | 5395            | Vitemex                                                        | 5474            | AGC, Poma Glass Co. N.A.                        |
| 5288            | American Insulated Glass Inc.          | 5396            | Trulite Glass and Aluminum Solutions                           | 5475            | AGC, Poma Glass Co. N.A.                        |
| 5289            | American Insulated Glass Inc.          | 5397            | Trulite Glass and Aluminum Solutions                           | 5477            | Trulite Glass and Aluminum Solutions            |
| 5290            | Phoenicia Flat Glass Industries        | 5398            | Trulite Glass and Aluminum Solutions                           | 5479            | Cardinal CT                                     |
| 5296            | Simonton Windows                       | 5399            | Trulite Glass and Aluminum Solutions                           | 5480            | Glasswerks GWA- West                            |
| 5297            | Quaker Window Products, Inc.           | 5400            | Trulite Glass and Aluminum Solutions                           | 5481            | Glasswerks GWA- West                            |
| 5298            | Thompson I.G. LLC.                     | 5401            | Trulite Glass and Aluminum Solutions                           | 5482            | Glasswerks GWA- West                            |
| 5299            | Thompson I.G. LLC.                     | 5404            | Trulite Glass and Aluminum Solutions                           | 5483            | Trulite Glass and Aluminum Solutions            |
| 5301            | Thompson I.G. LLC.                     | 5405            | Trulite Glass and Aluminum Solutions                           | 5484            | Trulite Glass and Aluminum Solutions            |
| 5303            | Thompson I.G. LLC.                     | 5407            | Unitex Glass Chengdu Co., Ltd                                  | 5485            | Trulite Glass and Aluminum Solutions            |
| 5304            | Thompson I.G. LLC.                     | 5408            | Unitex Glass Chengdu Co., Ltd                                  | 5486            | Tai Sheng (Dong Guan) Glass Co.,Ltd             |
| 5305            | Thompson I.G. LLC.                     | 5410            | M Industria S.A. DE C.V.                                       | 5487            | Tai Sheng (Dong Guan) Glass Co.,Ltd             |
| 5306            | Cardinal CG                            | 5411            | M Industria S.A. DE C.V.                                       | 5488            | Tai Sheng (Dong Guan) Glass Co.,Ltd             |
| 5317            | Trulite Glass and Aluminum Solutions   | 5412            | M Industria S.A. DE C.V.                                       | 5490            | Taiwan Glass Industry Corp.                     |
| 5318            | Trulite Glass and Aluminum Solutions   | 5413            | M Industria S.A. DE C.V.                                       | 5498            | Produits Verrier International Inc.             |
| 5320            | Trulite Glass and Aluminum Solutions   | 5414            | Unitex Glass Chengdu Co., Ltd                                  | 5499            | Produits Verrier International Inc.             |
| 5321            | Trulite Glass and Aluminum Solutions   | 5425            | Wolverine Glass Products, Inc.                                 | 5500            | Produits Verrier International Inc.             |
| 5322            | Trulite Glass and Aluminum Solutions   | 5426            | Wolverine Glass Products, Inc.                                 | 5501            | Produits Verrier International Inc.             |
| 5335            | Cardinal CG                            | 5427            | Wolverine Glass Products, Inc.                                 | 5502            | Produits Verrier International Inc.             |
| 5336            | Cardinal CG                            | 5428            | Wolverine Glass Products, Inc.                                 | 5503            | Produits Verrier International Inc.             |
| 5337            | Trulite Glass and Aluminum Solutions   | 5429            | Wolverine Glass Products, Inc.                                 | 5504            | Produits Verrier International Inc.             |
| 5338            | Trulite Glass and Aluminum Solutions   | 5430            | Wolverine Glass Products, Inc.                                 | 5505            | Produits Verrier International Inc.             |
| 5339            | Trulite Glass and Aluminum Solutions   | 5431            | Wolverine Glass Products, Inc.                                 | 5507            | Trulite Glass and Aluminum Solutions            |
| 5340            | Trulite Glass and Aluminum Solutions   | 5432            | Trulite Glass and Aluminum Solutions                           | 5508            | Trulite Glass and Aluminum Solutions            |
| 5341            | Trulite Glass and Aluminum Solutions   | 5433            | Trulite Glass and Aluminum Solutions                           | 5509            | Trulite Glass and Aluminum Solutions            |
| 5343            | Trulite Glass and Aluminum Solutions   | 5434            | Trulite Glass and Aluminum Solutions                           | 5510            | Trulite Glass and Aluminum Solutions            |
| 5344            | Trulite Glass and Aluminum Solutions   | 5435            | Cardinal IG                                                    | 5511            | Trulite Glass and Aluminum Solutions            |
| 5345            | Trulite Glass and Aluminum Solutions   | 5441            | Tristar Glass, Inc.                                            | 5513            | Insulite Glass Co., Inc.                        |
| 5346            | Trulite Glass and Aluminum Solutions   | 5442            | Oldcastle BuildingEnvelope®                                    | 5517            | Trulite Glass and Aluminum Solutions            |
| 5347            | Trulite Glass and Aluminum Solutions   | 5443            | Trulite Glass and Aluminum Solutions                           | 5518            | Trulite Glass and Aluminum Solutions            |
| 5348            | Trulite Glass and Aluminum Solutions   | 5444            | Trulite Glass and Aluminum Solutions                           | 5519            | TVITEC                                          |
| 5349            | Trulite Glass and Aluminum Solutions   | 5445            | Trulite Glass and Aluminum Solutions                           | 5521            | Flat Glass Group Co., Ltd.                      |
| 5350            | Trulite Glass and Aluminum Solutions   | 5446            | Trulite Glass and Aluminum Solutions                           | 5522            | Flat Glass Group Co., Ltd.                      |
| 5351            | Changshu Weier Glass Products Co. Ltd. | 5447            | Trulite Glass and Aluminum Solutions                           | 5523            | Flat Glass Group Co., Ltd.                      |
| 5352            | Changshu Weier Glass Products Co. Ltd. | 5448            | Trulite Glass and Aluminum Solutions                           | 5524            | Flat Glass Group Co., Ltd.                      |
| 5353            | Changshu Weier Glass Products Co. Ltd. | 5449            | Trulite Glass and Aluminum Solutions                           | 5525            | Flat Glass Group Co., Ltd.                      |
| 5354            | Changshu Weier Glass Products Co. Ltd. | 5451            | Trulite Glass and Aluminum Solutions                           | 5526            | Flat Glass Group Co., Ltd.                      |
| 5355            | Oldcastle BuildingEnvelope®            | 5452            | S.F. Tempering                                                 | 5527            | Solar Seal Massachusetts                        |
| 5364            | Cardinal CT                            | 5454            | Nashville Tempered Glass LLC                                   | 5532            | Xinyi Glass (Tianjin) Co. Ltd.                  |
|                 |                                        | 5455            | New Century Glass & Aluminum LLC                               | 5533            | Xinyi Glass (Tianjin) Co. Ltd.                  |
|                 |                                        | 5456            | New Century Glass & Aluminum LLC                               | 5534            | Xinyi Glass (Tianjin) Co. Ltd.                  |
|                 |                                        | 5457            | New Century Glass & Aluminum LLC                               | 5535            | Xinyi Glass (Tianjin) Co. Ltd.                  |
|                 |                                        | 5458            | New Century Glass & Aluminum LLC                               | 5536            | Xinyi Glass (Tianjin) Co. Ltd.                  |
|                 |                                        | 5462            | Unitex Glass Chengdu Co., Ltd                                  | 5538            | Xinyi Glass (Tianjin) Co. Ltd.                  |

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| 5539            | Xinyi Glass (Tianjin) Co. Ltd.                | 5624            | DDG Glass Manufacturing SDN BHD      | 5737            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd. |
| 5554            | Downey Glass Industries, LLC                  | 5625            | DDG Glass Manufacturing SDN BHD      | 5738            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd. |
| 5566            | Rizhao Huaye Glass Co., Ltd.                  | 5626            | DDG Glass Manufacturing SDN BHD      | 5739            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd. |
| 5567            | Rizhao Huaye Glass Co., Ltd.                  | 5627            | DDG Glass Manufacturing SDN BHD      | 5740            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd. |
| 5568            | Rizhao Huaye Glass Co., Ltd.                  | 5628            | DDG Glass Manufacturing SDN BHD      | 5746            | Trulite Glass and Aluminum Solutions         |
| 5569            | Rizhao Huaye Glass Co., Ltd.                  | 5631            | Trulite Glass and Aluminum Solutions | 5747            | Trulite Glass and Aluminum Solutions         |
| 5570            | Rizhao Huaye Glass Co., Ltd.                  | 5634            | Ready Glass & Mirror, Inc.           | 5748            | General Glass                                |
| 5571            | Rizhao Huaye Glass Co., Ltd.                  | 5635            | ATI Windows                          | 5750            | General Glass                                |
| 5572            | Rizhao Huaye Glass Co., Ltd.                  | 5636            | ATI Windows                          | 5751            | General Glass                                |
| 5574            | Aldora Aluminum and Glass Products, Inc.      | 5637            | ATI Windows                          | 5752            | Galaxy Glass & Stone                         |
| 5575            | Aldora Aluminum and Glass Products, Inc.      | 5638            | ATI Windows                          | 5755            | Cat-I Manufacturing, Inc.                    |
| 5576            | Aldora Aluminum and Glass Products, Inc.      | 5639            | ATI Windows                          | 5756            | Shower Doors & More Inc.                     |
| 5577            | Aldora Aluminum and Glass Products, Inc.      | 5640            | Guardian IG LLC                      | 5757            | Shower Doors & More Inc.                     |
| 5579            | Aldora Aluminum and Glass Products, Inc.      | 5641            | Guardian IG LLC                      | 5758            | Shower Doors & More Inc.                     |
| 5580            | Rizhao Huaye Glass Co., Ltd.                  | 5642            | Guardian IG LLC                      | 5759            | Shower Doors & More Inc.                     |
| 5581            | Rizhao Huaye Glass Co., Ltd.                  | 5643            | Guardian IG LLC                      | 5761            | M Industria S.A. DE C.V.                     |
| 5584            | GlassFab Tempering Services, Inc. Mariani Ct. | 5644            | Guardian IG LLC                      | 5762            | Tristar Glass, Inc.                          |
| 5585            | Wisconsin Shower Door & Supply Corp           | 5645            | Guardian IG LLC                      | 5763            | Robover Inc.                                 |
| 5587            | Wisconsin Shower Door & Supply Corp           | 5646            | Guardian IG LLC                      | 5764            | Robover Inc.                                 |
| 5588            | Wisconsin Shower Door & Supply Corp           | 5647            | Guardian IG LLC                      | 5772            | New Angle Beveling                           |
| 5589            | Wisconsin Shower Door & Supply Corp           | 5673            | Thermo BSL                           | 5773            | New Angle Beveling                           |
| 5590            | Wisconsin Shower Door & Supply Corp           | 5674            | Thermo BSL                           | 5774            | New Angle Beveling                           |
| 5592            | Wisconsin Shower Door & Supply Corp           | 5680            | Trulite Glass and Aluminum Solutions | 5775            | New Angle Beveling                           |
| 5594            | Wisconsin Shower Door & Supply Corp           | 5687            | Trulite Glass and Aluminum Solutions | 5776            | New Angle Beveling                           |
| 5595            | Wisconsin Shower Door & Supply Corp           | 5688            | Trulite Glass and Aluminum Solutions | 5777            | Jiangyin Mingyang Glass Production           |
| 5596            | Wisconsin Shower Door & Supply Corp           | 5690            | Triton Glass LLC                     | 5778            | Jiangyin Mingyang Glass Production           |
| 5597            | Wisconsin Shower Door & Supply Corp           | 5691            | Triton Glass LLC                     | 5779            | Jiangyin Mingyang Glass Production           |
| 5598            | Glass and Mirror Craft                        | 5692            | Triton Glass LLC                     | 5780            | Jiangyin Mingyang Glass Production           |
| 5604            | Tai Sheng (Dong Guan) Glass Co.,Ltd           | 5693            | Triton Glass LLC                     | 5781            | Grupo Vidrios el Castillo                    |
| 5605            | PRL Glass Systems                             | 5694            | Triton Glass LLC                     | 5782            | Trulite Glass and Aluminum Solutions         |
| 5606            | Clinton Glass Company                         | 5695            | Cristec Glass S.L.                   | 5783            | Trulite Glass and Aluminum Solutions         |
| 5607            | Clinton Glass Company                         | 5697            | Cristec Glass S.L.                   | 5784            | Trulite Glass and Aluminum Solutions         |
| 5608            | Clinton Glass Company                         | 5698            | Cristec Glass S.L.                   | 5785            | Nashville Tempered Glass Corp.               |
| 5609            | Prelco Inc.                                   | 5699            | Cristec Glass S.L.                   | 5786            | Phoenicia Flat Glass Industries              |
| 5610            | Prelco Inc.                                   | 5700            | Trulite Glass and Aluminum Solutions | 5788            | GnT Glass Co., Ltd.                          |
| 5611            | Prelco Inc.                                   | 5701            | Trulite Glass and Aluminum Solutions | 5789            | GnT Glass Co., Ltd.                          |
| 5613            | Qingdao Jinjing Co., Ltd.                     | 5702            | Trulite Glass and Aluminum Solutions | 5790            | GnT Glass Co., Ltd.                          |
| 5615            | Columbia Commercial Bldg Prod.                | 5703            | Trulite Glass and Aluminum Solutions | 5791            | GnT Glass Co., Ltd.                          |
| 5616            | Columbia Commercial Bldg Prod.                | 5704            | Trulite Glass and Aluminum Solutions | 5792            | Trulite Glass and Aluminum Solutions         |
| 5617            | Qingdao Jinjing Co., Ltd.                     | 5705            | Trulite Glass and Aluminum Solutions | 5793            | Trulite Glass and Aluminum Solutions         |
| 5621            | DDG Glass Manufacturing SDN BHD               | 5706            | Trulite Glass and Aluminum Solutions | 5794            | Trulite Glass and Aluminum Solutions         |
| 5622            | DDG Glass Manufacturing SDN BHD               | 5719            | Quest Window Systems                 | 5795            | Trulite Glass and Aluminum Solutions         |
| 5623            | DDG Glass Manufacturing SDN BHD               | 5720            | Cardinal CG                          | 5796            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5723            | Solar Seal Virginia                  | 5797            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5724            | Solar Seal Virginia                  | 5798            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5725            | Solar Seal Virginia                  | 5800            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5726            | Solar Seal Virginia                  | 5801            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5728            | Trulite Glass and Aluminum Solutions | 5802            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5729            | Nashville Tempered Glass Corp.       | 5803            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5730            | Thermal Seal Insulating Glass        | 5804            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5731            | Thermal Seal Insulating Glass        | 5805            | Trulite Glass and Aluminum Solutions         |
|                 |                                               | 5732            | Thermal Seal Insulating Glass        | 5835            | Allglass Tempering Inc.                      |
|                 |                                               | 5733            | Thermal Seal Insulating Glass        | 5836            | Allglass Tempering Inc.                      |
|                 |                                               | 5734            | Thermal Seal Insulating Glass        |                 |                                              |
|                 |                                               | 5735            | Thermal Seal Insulating Glass        |                 |                                              |
|                 |                                               | 5736            | Thermal Seal Insulating Glass        |                 |                                              |

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|-----------------|-----------------------------------------------|-----------------|--------------------------------------------------|-----------------|----------------------------------------------------------------|
| 5837            | Allglass Tempering Inc.                       | 5900            | Qinhuangdao Ampac Building Products Co., Ltd.    | 5990            | GlassFab Tempering Services Inc. Holly Drive                   |
| 5838            | Allglass Tempering Inc.                       | 5901            | Qinhuangdao Ampac Building Products Co., Ltd.    | 5991            | Cardinal CT                                                    |
| 5839            | Allglass Tempering Inc.                       | 5902            | Qinhuangdao Ampac Building Products Co., Ltd.    | 5998            | Carey Glass UC                                                 |
| 5840            | Grupo Vidrios el Castillo                     | 5903            | Qinhuangdao Ampac Building Products Co., Ltd.    | 5999            | Carey Glass UC                                                 |
| 5841            | View Inc.                                     | 5904            | Oldcastle BuildingEnvelope®                      | 6000            | Carey Glass UC                                                 |
| 5842            | Cardinal CT                                   | 5905            | Saint Gobain Mexico, S.A. de C.V.                | 6001            | Carey Glass UC                                                 |
| 5843            | Huahui Glass (China) Co., LD                  | 5906            | Saint Gobain Mexico, S.A. de C.V.                | 6004            | Xianning CSG Energy Conservation Glass Co., LTD.               |
| 5845            | PRESS GLASS SA                                | 5907            | Saint Gobain Mexico, S.A. de C.V.                | 6005            | Xianning CSG Energy Conservation Glass Co., LTD.               |
| 5846            | PRESS GLASS SA                                | 5908            | Saint Gobain Mexico, S.A. de C.V.                | 6006            | Trulite Glass and Aluminum Solutions                           |
| 5847            | PRESS GLASS SA                                | 5909            | Saint Gobain Mexico, S.A. de C.V.                | 6007            | Trulite Glass and Aluminum Solutions                           |
| 5848            | PRESS GLASS SA                                | 5910            | Cardinal IG                                      | 6008            | Trulite Glass and Aluminum Solutions                           |
| 5849            | PRESS GLASS SA                                | 5911            | Cardinal IG                                      | 6009            | Trulite Glass and Aluminum Solutions                           |
| 5850            | PRESS GLASS SA                                | 5912            | Cardinal IG                                      | 6010            | Trulite Glass and Aluminum Solutions                           |
| 5851            | PRESS GLASS SA                                | 5917            | U.S. Glass Distributors Inc.                     | 6011            | Trulite Glass and Aluminum Solutions                           |
| 5852            | PRESS GLASS SA                                | 5918            | U.S. Glass Distributors Inc.                     | 6012            | SIGCO, Inc.                                                    |
| 5853            | PRESS GLASS SA                                | 5920            | U.S. Glass Distributors Inc.                     | 6013            | SIGCO, Inc.                                                    |
| 5854            | PRESS GLASS SA                                | 5921            | U.S. Glass Distributors Inc.                     | 6014            | SIGCO, Inc.                                                    |
| 5855            | PRESS GLASS SA                                | 5922            | U.S. Glass Distributors Inc.                     | 6019            | Templados Del Centro SA DE C.V.                                |
| 5856            | PRESS GLASS SA                                | 5923            | U.S. Glass Distributors Inc.                     | 6020            | SCHOTT Gemtron (Canada) Corporation                            |
| 5857            | PRESS GLASS SA                                | 5924            | U.S. Glass Distributors Inc.                     | 6021            | SCHOTT Gemtron (Canada) Corporation                            |
| 5858            | PRESS GLASS SA                                | 5925            | U.S. Glass Distributors Inc.                     | 6022            | Patio Enclosures                                               |
| 5859            | Trulite Glass and Aluminum Solutions          | 5926            | U.S. Glass Distributors Inc.                     | 6027            | Midwest Glass Fabricators Inc.                                 |
| 5860            | Trulite Glass and Aluminum Solutions          | 5927            | U.S. Glass Distributors Inc.                     | 6028            | Midwest Glass Fabricators Inc.                                 |
| 5865            | Ascent Glass Products (Zhong Shan) Limited    | 5936            | Trulite Glass and Aluminum Solutions             | 6029            | Midwest Glass Fabricators Inc.                                 |
| 5866            | Ascent Glass Products (Zhong Shan) Limited    | 5937            | Trulite Glass and Aluminum Solutions             | 6030            | Midwest Glass Fabricators Inc.                                 |
| 5867            | Ascent Glass Products (Zhong Shan) Limited    | 5938            | Comercial Dialum SA                              | 6031            | Midwest Glass Fabricators Inc.                                 |
| 5868            | Ascent Glass Products (Zhong Shan) Limited    | 5939            | Strong Tempering Glass Industry LLC              | 6032            | Midwest Glass Fabricators Inc.                                 |
| 5869            | Ascent Glass Products (Zhong Shan) Limited    | 5940            | Strong Tempering Glass Industry LLC              | 6033            | Midwest Glass Fabricators Inc.                                 |
| 5871            | Bronco Industries, Inc.                       | 5941            | Strong Tempering Glass Industry LLC              | 6034            | Midwest Glass Fabricators Inc.                                 |
| 5876            | Trulite Glass and Aluminum Solutions          | 5945            | M3 Glass Technologies                            | 6035            | Midwest Glass Fabricators Inc.                                 |
| 5877            | Trulite Glass and Aluminum Solutions          | 5946            | M3 Glass Technologies                            | 6036            | Midwest Glass Fabricators Inc.                                 |
| 5878            | Cristec Glass S.L.                            | 5947            | M3 Glass Technologies                            | 6037            | Midwest Glass Fabricators Inc.                                 |
| 5882            | Glasswerks GWLA- East                         | 5965            | Dlubak Corporation                               | 6039            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |
| 5883            | Glasswerks GWLA- East                         | 5973            | Kensington Glass Arts                            | 6040            | Global Security Glazing                                        |
| 5884            | Glasswerks GWLA- East                         | 5974            | Kensington Glass Arts                            | 6041            | Huachuang Longfei Glass Co., Ltd.                              |
| 5885            | Glasswerks GWLA- East                         | 5975            | Kensington Glass Arts                            | 6042            | ATI Windows                                                    |
| 5886            | Glasswerks GWLA- East                         | 5976            | Kensington Glass Arts                            | 6044            | Tianjin Northglass Industrial Technical Co., Ltd               |
| 5887            | ATN Holding Inc.                              | 5977            | Kensington Glass Arts                            | 6047            | GLASPRO                                                        |
| 5888            | ATN Holding Inc.                              | 5979            | Xianning CSG Energy Conservation Glass Co., LTD. | 6048            | GLASPRO                                                        |
| 5890            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5980            | Xianning CSG Energy Conservation Glass Co., LTD. | 6050            | GLASPRO                                                        |
| 5891            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5981            | Xianning CSG Energy Conservation Glass Co., LTD. | 6051            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd          |
| 5892            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5982            | Xianning CSG Energy Conservation Glass Co., LTD. | 6053            | Tai Sheng (Dong Guan) Glass Co.,Ltd                            |
| 5893            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5983            | Xianning CSG Energy Conservation Glass Co., LTD. | 6054            | Tai Sheng (Dong Guan) Glass Co.,Ltd                            |
| 5894            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5986            | GlassFab Tempering Services Inc. Holly Drive     | 6055            | Tai Sheng (Dong Guan) Glass Co.,Ltd                            |
| 5896            | Trulite Glass and Aluminum Solutions          | 5988            | GlassFab Tempering Services Inc. Holly Drive     | 6056            | Oldcastle BuildingEnvelope®                                    |
| 5897            | Trulite Glass and Aluminum Solutions          | 5989            | GlassFab Tempering Services Inc. Holly Drive     | 6057            | Glasswerks GWLA- East                                          |
| 5898            | Trulite Glass and Aluminum Solutions          |                 |                                                  | 6058            | Grupo Vidrios el Castillo                                      |
| 5899            | Qinhuangdao Ampac Building Products Co., Ltd. |                 |                                                  | 6059            | Wolverine Glass Products, Inc.                                 |
|                 |                                               |                 |                                                  | 6060            | Wolverine Glass Products, Inc.                                 |

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|-----------------|--------------------------------------------------------|-----------------|-------------------------------------------------|-----------------|---------------------------------------------------|
| 6061            | Trulite Glass & Aluminum Solutions<br>Canada, ULC      | 6115            | Trulite Glass and Aluminum Solutions            | 6183            | Sterling Mirror Company, LLC                      |
| 6062            | Trulite Glass & Aluminum Solutions<br>Canada, ULC      | 6118            | GlassFab Tempering Services Inc.<br>Holly Drive | 6184            | Sterling Mirror Company, LLC                      |
| 6063            | Trulite Glass & Aluminum Solutions<br>Canada, ULC      | 6119            | Foshan Gaoming Yaqi Toughened<br>Glass          | 6185            | Sterling Mirror Company, LLC                      |
| 6064            | Trulite Glass & Aluminum Solutions<br>Canada, ULC      | 6120            | Foshan Gaoming Yaqi Toughened<br>Glass          | 6186            | Sierra Glass Distributors                         |
| 6065            | Trulite Glass & Aluminum Solutions<br>Canada, ULC      | 6121            | Foshan Gaoming Yaqi Toughened<br>Glass          | 6187            | Trulite Glass and Aluminum Solutions              |
| 6066            | Trulite Glass & Aluminum Solutions<br>Canada, ULC      | 6122            | Foshan Gaoming Yaqi Toughened<br>Glass          | 6188            | Trulite Glass and Aluminum Solutions              |
| 6067            | Trulite Glass & Aluminum Solutions<br>Canada, ULC      | 6123            | Foshan Gaoming Yaqi Toughened<br>Glass          | 6189            | Trulite Glass and Aluminum Solutions              |
| 6068            | Upstate Glass Tempering Inc.                           | 6124            | Foshan Gaoming Yaqi Toughened<br>Glass          | 6190            | Trulite Glass and Aluminum Solutions              |
| 6069            | Cardinal IG                                            | 6125            | Shanghai Zhenzhen Glassware Co.,<br>LTD.        | 6191            | Changshu ZhongXin Building<br>Materials Co., Ltd. |
| 6070            | Louisville Plate Glass                                 | 6126            | Shanghai Zhenzhen Glassware Co.,<br>LTD.        | 6192            | Saudi American Glass Company                      |
| 6072            | Louisville Plate Glass                                 | 6131            | Intex Glass (Xiamen) Co., Ltd.                  | 6193            | Saudi American Glass Company                      |
| 6073            | Louisville Plate Glass                                 | 6132            | Intex Glass (Xiamen) Co., Ltd.                  | 6198            | Qingdao Jinjing Co., Ltd.                         |
| 6074            | Louisville Plate Glass                                 | 6133            | Intex Glass (Xiamen) Co., Ltd.                  | 6199            | Qingdao Jinjing Co., Ltd.                         |
| 6075            | Louisville Plate Glass                                 | 6134            | BVGLAZING SYSTEMS                               | 6203            | Jiangyin Mingyang Glass Production                |
| 6079            | Sfera SRL                                              | 6135            | BVGLAZING SYSTEMS                               | 6204            | Stargrup Cam A.S.                                 |
| 6083            | Grupo Vidrios el Castillo                              | 6136            | BVGLAZING SYSTEMS                               | 6205            | Stargrup Cam A.S.                                 |
| 6084            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6137            | BVGLAZING SYSTEMS                               | 6206            | Stargrup Cam A.S.                                 |
| 6085            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6138            | BVGLAZING SYSTEMS                               | 6207            | Stargrup Cam A.S.                                 |
| 6086            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6139            | BVGLAZING SYSTEMS                               | 6208            | Stargrup Cam A.S.                                 |
| 6087            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6140            | Tai Sheng (Dong Guan) Glass Co.,Ltd             | 6209            | Crystal Tempering, Inc.                           |
| 6088            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6141            | Tai Sheng (Dong Guan) Glass Co.,Ltd             | 6210            | Crystal Tempering, Inc.                           |
| 6089            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6142            | Tai Sheng (Dong Guan) Glass Co.,Ltd             | 6211            | Crystal Tempering, Inc.                           |
| 6090            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6143            | Cardinal CT                                     | 6212            | Crystal Tempering, Inc.                           |
| 6091            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6144            | A.L. Smith Glass Co. Inc.                       | 6214            | Crystal Tempering, Inc.                           |
| 6092            | W.C.P., Inc dba West Coast<br>Insulated Glass Products | 6145            | A.L. Smith Glass Co. Inc.                       | 6215            | Crystal Tempering, Inc.                           |
| 6095            | Glasswerks GWT                                         | 6146            | M Industria S.A. DE C.V.                        | 6216            | Crystal Tempering, Inc.                           |
| 6096            | Glasswerks GWT                                         | 6147            | M Industria S.A. DE C.V.                        | 6217            | Novatech Canada Inc.                              |
| 6097            | Glasswerks GWT                                         | 6151            | Aluminum Manufacturers Co. Ltd -<br>ALUMATEC    | 6218            | Novatech Canada Inc.                              |
| 6098            | Glasswerks GWT                                         | 6152            | Aluminum Manufacturers Co. Ltd -<br>ALUMATEC    | 6219            | Novatech Canada Inc.                              |
| 6099            | Anthony International                                  | 6153            | Standard Bent Glass                             | 6220            | Novatech Canada Inc.                              |
| 6100            | Cardinal IG                                            | 6154            | Standard Bent Glass                             | 6221            | Novatech Canada Inc.                              |
| 6102            | Trulite Glass and Aluminum Solutions                   | 6155            | Standard Bent Glass                             | 6222            | Novatech Canada Inc.                              |
| 6103            | Trulite Glass and Aluminum Solutions                   | 6156            | Standard Bent Glass                             | 6224            | United Plate Glass Co., Inc.                      |
| 6104            | Trulite Glass and Aluminum Solutions                   | 6157            | U.S. Glass Distributors Inc.                    | 6225            | United Plate Glass Co., Inc.                      |
| 6105            | Trulite Glass and Aluminum Solutions                   | 6159            | Trulite Glass and Aluminum Solutions            | 6226            | Whalley Glass Co                                  |
| 6106            | Trulite Glass and Aluminum Solutions                   | 6160            | Trulite Glass and Aluminum Solutions            | 6227            | Whalley Glass Co                                  |
| 6107            | Trulite Glass and Aluminum Solutions                   | 6161            | Trulite Glass and Aluminum Solutions            | 6228            | Whalley Glass Co                                  |
| 6108            | Trulite Glass and Aluminum Solutions                   | 6162            | Trulite Glass and Aluminum Solutions            | 6229            | Whalley Glass Co                                  |
| 6109            | Trulite Glass and Aluminum Solutions                   | 6165            | Trulite Glass and Aluminum Solutions            | 6234            | Dlubak Corporation                                |
| 6110            | Trulite Glass and Aluminum Solutions                   | 6166            | Trulite Glass and Aluminum Solutions            | 6243            | Quality Enclosures Tempering, Inc.                |
| 6111            | Trulite Glass and Aluminum Solutions                   | 6167            | Trulite Glass and Aluminum Solutions            | 6244            | Quality Enclosures Tempering, Inc.                |
| 6113            | Trulite Glass and Aluminum Solutions                   | 6168            | Trulite Glass and Aluminum Solutions            | 6245            | Quality Enclosures Tempering, Inc.                |
| 6114            | Trulite Glass and Aluminum Solutions                   | 6169            | Trulite Glass and Aluminum Solutions            | 6246            | Quality Enclosures Tempering, Inc.                |
|                 |                                                        | 6170            | Templados Del Centro SA DE C.V.                 | 6247            | Quality Enclosures Tempering, Inc.                |
|                 |                                                        | 6172            | Cardinal CT                                     | 6248            | Quality Enclosures Tempering, Inc.                |
|                 |                                                        | 6173            | Cardinal CT                                     | 6249            | Quality Enclosures Tempering, Inc.                |
|                 |                                                        | 6174            | Cardinal CT                                     | 6250            | United Plate Glass Co., Inc.                      |
|                 |                                                        | 6182            | Sierra Glass Distributors                       | 6251            | United Plate Glass Co., Inc.                      |
|                 |                                                        |                 |                                                 | 6261            | ATN Holding Inc.                                  |
|                 |                                                        |                 |                                                 | 6262            | ATN Holding Inc.                                  |
|                 |                                                        |                 |                                                 | 6263            | ATN Holding Inc.                                  |
|                 |                                                        |                 |                                                 | 6264            | ATN Holding Inc.                                  |
|                 |                                                        |                 |                                                 | 6265            | Thermalsun Glass Products                         |
|                 |                                                        |                 |                                                 | 6266            | Thermalsun Glass Products                         |
|                 |                                                        |                 |                                                 | 6267            | Thermalsun Glass Products                         |
|                 |                                                        |                 |                                                 | 6268            | Thermalsun Glass Products                         |

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|-----------------|-----------------------------------------------------------|-----------------|----------------------------------------------------------------|-----------------|----------------------------------------------------------------|
| 6269            | Thermalsun Glass Products                                 | 6338            | Templado USA Glass & Aluminum Products                         | 6401            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |
| 6270            | Thermalsun Glass Products                                 | 6340            | Skyline Design                                                 | 6402            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |
| 6271            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6343            | Skyline Design                                                 | 6403            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |
| 6272            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6347            | Skyline Design                                                 | 6404            | PRESS GLASS SA                                                 |
| 6273            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6350            | Skyline Design                                                 | 6405            | Trulite Glass and Aluminum Solutions                           |
| 6274            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6353            | Custom Glass Solutions Millbury Corp.                          | 6407            | Blue Star Glass Inc.                                           |
| 6275            | Manko Window Systems                                      | 6354            | Custom Glass Solutions Millbury Corp.                          | 6408            | GlassFab Tempering Services, Inc. Mariani Ct.                  |
| 6276            | Manko Window Systems                                      | 6355            | Custom Glass Solutions Millbury Corp.                          | 6409            | All Counties Glass                                             |
| 6277            | Manko Window Systems                                      | 6357            | SG Glass Industries L.L.C.                                     | 6410            | All Counties Glass                                             |
| 6278            | Manko Window Systems                                      | 6358            | SG Glass Industries L.L.C.                                     | 6411            | All Counties Glass                                             |
| 6279            | Manko Window Systems                                      | 6359            | SG Glass Industries L.L.C.                                     | 6412            | All Counties Glass                                             |
| 6280            | Manko Window Systems                                      | 6360            | SG Glass Industries L.L.C.                                     | 6413            | All Counties Glass                                             |
| 6286            | Manko Windows                                             | 6361            | SG Glass Industries L.L.C.                                     | 6414            | All Counties Glass                                             |
| 6287            | Manko Windows                                             | 6362            | SG Glass Industries L.L.C.                                     | 6415            | All Counties Glass                                             |
| 6288            | Manko Windows                                             | 6363            | SG Glass Industries L.L.C.                                     | 6416            | Pulp Studio, Inc.                                              |
| 6289            | Manko Windows                                             | 6364            | WGM Fabricators, LLC                                           | 6418            | Tengzhou Fenghua Glass Co., LTD                                |
| 6290            | Manko Windows                                             | 6365            | WGM Fabricators, LLC                                           | 6419            | Tengzhou Fenghua Glass Co., LTD                                |
| 6291            | Manko Windows                                             | 6366            | WGM Fabricators, LLC                                           | 6420            | Tengzhou Fenghua Glass Co., LTD                                |
| 6292            | Manko Windows                                             | 6367            | WGM Fabricators, LLC                                           | 6421            | Tengzhou Fenghua Glass Co., LTD                                |
| 6293            | Manko Windows                                             | 6368            | WGM Fabricators, LLC                                           | 6422            | Tengzhou Fenghua Glass Co., LTD                                |
| 6294            | Manko Windows                                             | 6369            | WGM Fabricators, LLC                                           | 6423            | Tengzhou Fenghua Glass Co., LTD                                |
| 6295            | Manko Windows                                             | 6370            | WGM Fabricators, LLC                                           | 6424            | Tengzhou Fenghua Glass Co., LTD                                |
| 6296            | Manko Windows                                             | 6371            | WGM Fabricators, LLC                                           | 6425            | Tengzhou Fenghua Glass Co., LTD                                |
| 6297            | Edge Tempering                                            | 6372            | Portland Glass Manufacturing                                   | 6426            | Tengzhou Fenghua Glass Co., LTD                                |
| 6298            | Edge Tempering                                            | 6373            | Portland Glass Manufacturing                                   | 6427            | Tengzhou Fenghua Glass Co., LTD                                |
| 6299            | Edge Tempering                                            | 6374            | Viwinco, Inc.                                                  | 6428            | Aldora Aluminum and Glass Products, Inc.                       |
| 6300            | Standard Bent Glass                                       | 6375            | United Plate Glass Co., Inc.                                   | 6429            | Aldora Aluminum and Glass Products, Inc.                       |
| 6301            | Standard Bent Glass                                       | 6377            | All Weather Tempering of Arizona, LLC.                         | 6432            | Manko Windows                                                  |
| 6302            | Standard Bent Glass                                       | 6378            | All Weather Tempering of Arizona, LLC.                         | 6433            | WinTech                                                        |
| 6303            | Standard Bent Glass                                       | 6379            | All Weather Tempering of Arizona, LLC.                         | 6434            | WinTech                                                        |
| 6304            | Standard Bent Glass                                       | 6380            | All Weather Tempering of Arizona, LLC.                         | 6435            | Northwestern Industries, Inc.                                  |
| 6305            | Standard Bent Glass                                       | 6381            | All Weather Tempering of Arizona, LLC.                         | 6436            | Northwestern Industries, Inc.                                  |
| 6306            | Standard Bent Glass                                       | 6382            | All Weather Tempering of Arizona, LLC.                         | 6437            | Northwestern Industries, Inc.                                  |
| 6313            | Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd | 6388            | Trulite Glass and Aluminum Solutions                           | 6438            | Northwestern Industries, Inc.                                  |
| 6314            | Echols Glass and Mirror, Inc.                             | 6389            | Trulite Glass and Aluminum Solutions                           | 6440            | Quality Enclosures                                             |
| 6315            | Echols Glass and Mirror, Inc.                             | 6390            | View Inc.                                                      | 6441            | Quality Enclosures                                             |
| 6316            | Echols Glass and Mirror, Inc.                             | 6391            | Syracuse Glass Co., Inc.                                       | 6442            | Quality Enclosures                                             |
| 6317            | Echols Glass and Mirror, Inc.                             | 6392            | Syracuse Glass Co., Inc.                                       | 6443            | Quality Enclosures                                             |
| 6318            | Echols Glass and Mirror, Inc.                             | 6393            | Syracuse Glass Co., Inc.                                       | 6444            | Quality Enclosures                                             |
| 6319            | Echols Glass and Mirror, Inc.                             | 6394            | Oldcastle BuildingEnvelope®                                    | 6445            | Quality Enclosures                                             |
| 6320            | Bel Pre Glassworks Inc.                                   | 6395            | All Weather Architectural Aluminum                             | 6446            | Quality Enclosures                                             |
| 6321            | Bel Pre Glassworks Inc.                                   | 6396            | All Weather Architectural Aluminum                             | 6447            | Trulite Glass and Aluminum Solutions                           |
| 6322            | Bel Pre Glassworks Inc.                                   | 6397            | All Weather Architectural Aluminum                             | 6452            | Yitian (Cattis) Glass Product Co., Ltd                         |
| 6324            | Bel Pre Glassworks Inc.                                   | 6398            | All Weather Architectural Aluminum                             | 6453            | Yitian (Cattis) Glass Product Co., Ltd                         |
| 6325            | Bel Pre Glassworks Inc.                                   | 6399            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 6454            | Yitian (Cattis) Glass Product Co., Ltd                         |
| 6326            | Gulf Glass Industries, LLC                                | 6400            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 6455            | Yitian (Cattis) Glass Product Co., Ltd                         |
| 6328            | Solar Seal Virginia                                       |                 |                                                                | 6456            | Yitian (Cattis) Glass Product Co., Ltd                         |
| 6329            | Xinyi Glass (Tianjin) Co. Ltd.                            |                 |                                                                | 6457            | Yitian (Cattis) Glass Product Co., Ltd                         |
| 6335            | Templado USA Glass & Aluminum Products                    |                 |                                                                | 6458            | Yitian (Cattis) Glass Product Co., Ltd                         |
| 6336            | Templado USA Glass & Aluminum Products                    |                 |                                                                | 6459            | Dalian Dongsong Tempered Glass Products Co., Ltd.              |
|                 |                                                           |                 |                                                                | 6460            | Shandong Kingtom Glass Co., Ltd.                               |



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|-----------------|----------------------------------------------------|-----------------|--------------------------------------|-----------------|--------------------------------------------|
| 6461            | Shandong Kingtom Glass Co., Ltd.                   | 6538            | Vistamatic, LLC                      | 6616            | Tristar Glass, Inc.                        |
| 6462            | Shandong Kingtom Glass Co., Ltd.                   | 6539            | Vistamatic, LLC                      | 6617            | Cardinal LG Northeast                      |
| 6463            | Shandong Kingtom Glass Co., Ltd.                   | 6540            | GnT Glass Co., Ltd.                  | 6618            | Cardinal LG Northeast                      |
| 6469            | Bel Shower Door Corporation                        | 6547            | Arrow Mirror & Glass, Inc.           | 6619            | JYC Glass Co. Ltd.                         |
| 6470            | Bel Shower Door Corporation                        | 6548            | Arrow Mirror & Glass, Inc.           | 6620            | JYC Glass Co. Ltd.                         |
| 6471            | Bel Shower Door Corporation                        | 6549            | Arrow Mirror & Glass, Inc.           | 6621            | JYC Glass Co. Ltd.                         |
| 6472            | Bel Shower Door Corporation                        | 6552            | Cardinal CG                          | 6622            | JYC Glass Co. Ltd.                         |
| 6473            | Bel Shower Door Corporation                        | 6555            | Cardinal CG                          | 6633            | Glass Depot Inc.                           |
| 6474            | Bel Shower Door Corporation                        | 6556            | Cardinal IG                          | 6634            | Glass Depot Inc.                           |
| 6475            | Changshu ZhongXin Building Materials Co., Ltd.     | 6557            | Cardinal IG                          | 6635            | Integrity Glass Tempering, LLC.            |
| 6476            | LandGlass Technology Co., LTD                      | 6558            | Cardinal IG                          | 6636            | Integrity Glass Tempering, LLC.            |
| 6477            | Aldora Aluminum and Glass Products, Inc.           | 6559            | Cardinal IG                          | 6637            | Integrity Glass Tempering, LLC.            |
| 6478            | Jiangyin Mingyang Glass Production                 | 6566            | Northwestern Industries, Inc.        | 6639            | Dalian Huaying Glass Limited Liability Co. |
| 6479            | Jiangyin Mingyang Glass Production                 | 6567            | Northwestern Industries, Inc.        | 6649            | Xiamen Togen Building Products Co., Ltd.   |
| 6480            | M Industria S.A. DE C.V.                           | 6568            | Northwestern Industries, Inc.        | 6650            | Xiamen Togen Building Products Co., Ltd.   |
| 6481            | M Industria S.A. DE C.V.                           | 6569            | Northwestern Industries, Inc.        | 6651            | Xiamen Togen Building Products Co., Ltd.   |
| 6482            | M Industria S.A. DE C.V.                           | 6570            | Guardian IG LLC                      | 6652            | Xiamen Togen Building Products Co., Ltd.   |
| 6483            | M Industria S.A. DE C.V.                           | 6574            | Glaz-Tech Industries, Inc.           | 6653            | Xiamen Togen Building Products Co., Ltd.   |
| 6484            | Cardinal LG                                        | 6575            | Glaz-Tech Industries, Inc.           | 6654            | Zhongshan Fuan Glass Co., Ltd.             |
| 6488            | Shixing Glass (Fujian) Co., Ltd.                   | 6576            | Glaz-Tech Industries, Inc.           | 6655            | Zhongshan Fuan Glass Co., Ltd.             |
| 6489            | Shixing Glass (Fujian) Co., Ltd.                   | 6577            | Glaz-Tech Industries, Inc.           | 6656            | Zhongshan Fuan Glass Co., Ltd.             |
| 6490            | Shixing Glass (Fujian) Co., Ltd.                   | 6578            | Glaz-Tech Industries, Inc.           | 6658            | Zhongshan Fuan Glass Co., Ltd.             |
| 6494            | U.S. Glass Distributors Inc.                       | 6579            | Glaz-Tech Industries, Inc.           | 6666            | Integrity Glass Tempering, LLC.            |
| 6499            | Changshu ZhongXin Building Materials Co., Ltd.     | 6580            | Glaz-Tech Industries, Inc.           | 6668            | Beijing Northglass Technologies Co. Ltd    |
| 6500            | Changshu ZhongXin Building Materials Co., Ltd.     | 6581            | Glaz-Tech Industries, Inc.           | 6669            | Beijing Northglass Technologies Co. Ltd    |
| 6501            | Changshu ZhongXin Building Materials Co., Ltd.     | 6582            | Glaz-Tech Industries, Inc.           | 6671            | Custom Glass Products Inc.                 |
| 6502            | Shape Products LLC.                                | 6583            | Glaz-Tech Industries, Inc.           | 6672            | Eagle Valley Glass                         |
| 6503            | Shape Products LLC.                                | 6584            | Glaz-Tech Industries, Inc.           | 6673            | Eagle Valley Glass                         |
| 6504            | Shape Products LLC.                                | 6585            | Glaz-Tech Industries, Inc.           | 6674            | Eagle Valley Glass                         |
| 6505            | Shape Products LLC.                                | 6586            | Glaz-Tech Industries, Inc.           | 6675            | Eagle Valley Glass                         |
| 6506            | Shape Products LLC.                                | 6587            | Glaz-Tech Industries, Inc.           | 6676            | J&C International Ltd.                     |
| 6507            | Shape Products LLC.                                | 6588            | Glaz-Tech Industries, Inc.           | 6677            | Beijing Northglass Technologies Co. Ltd    |
| 6508            | PRL Glass Systems                                  | 6589            | Glaz-Tech Industries, Inc.           | 6683            | Penta Glass Ind. Inc                       |
| 6510            | Portland Glass Manufacturing                       | 6590            | Glaz-Tech Industries, Inc.           | 6684            | Changshu Fardglass Co. Ltd.                |
| 6512            | D3 Glass, LLC                                      | 6591            | Glaz-Tech Industries, Inc.           | 6685            | Advanced Design Manufacturing              |
| 6513            | Right Away Glass, Inc.                             | 6592            | Glaz-Tech Industries, Inc.           | 6686            | Advanced Design Manufacturing              |
| 6514            | Right Away Glass, Inc.                             | 6593            | Glaz-Tech Industries, Inc.           | 6687            | Selective Shower Glass                     |
| 6515            | Right Away Glass, Inc.                             | 6594            | Glaz-Tech Industries, Inc.           | 6688            | Patriot Armored Systems, LLC               |
| 6516            | Cardinal CT                                        | 6595            | Glaz-Tech Industries, Inc.           | 6689            | Patriot Armored Systems, LLC               |
| 6517            | Productora y Distribuidora de Espejos S.A. de C.V. | 6597            | Glass Enterprises, Inc.              | 6690            | Patriot Armored Systems, LLC               |
| 6518            | Productora y Distribuidora de Espejos S.A. de C.V. | 6598            | Glass Enterprises, Inc.              | 6691            | Patriot Armored Systems, LLC               |
| 6519            | Unitex Glass Chengdu Co., Ltd                      | 6599            | Glaz-Tech Industries, Inc.           | 6692            | SG Glass Industries L.L.C.                 |
| 6520            | Unitex Glass Chengdu Co., Ltd                      | 6600            | Glaz-Tech Industries, Inc.           | 6693            | SG Glass Industries L.L.C.                 |
| 6522            | Cardinal IG                                        | 6601            | Glaz-Tech Industries, Inc.           | 6694            | S.F. Tempering                             |
| 6523            | Cardinal IG                                        | 6602            | Glaz-Tech Industries, Inc.           | 6695            | S.F. Tempering                             |
| 6524            | Cardinal IG                                        | 6603            | Glaz-Tech Industries, Inc.           | 6696            | ATN Holding Inc.                           |
| 6525            | Cardinal IG                                        | 6604            | Glaz-Tech Industries, Inc.           | 6697            | Oldcastle BuildingEnvelope®                |
| 6534            | Cardinal CG                                        | 6605            | Glaz-Tech Industries, Inc.           | 6698            | Temp Glass Inc.                            |
| 6535            | Vistamatic, LLC                                    | 6606            | Glaz-Tech Industries, Inc.           | 6699            | Temp Glass Inc.                            |
| 6536            | Vistamatic, LLC                                    | 6607            | Glaz-Tech Industries, Inc.           |                 |                                            |
| 6537            | Vistamatic, LLC                                    | 6608            | Glaz-Tech Industries, Inc.           |                 |                                            |
|                 |                                                    | 6609            | Glaz-Tech Industries, Inc.           |                 |                                            |
|                 |                                                    | 6610            | Glaz-Tech Industries, Inc.           |                 |                                            |
|                 |                                                    | 6611            | Glaz-Tech Industries, Inc.           |                 |                                            |
|                 |                                                    | 6612            | Glaz-Tech Industries, Inc.           |                 |                                            |
|                 |                                                    | 6613            | Trulite Glass and Aluminum Solutions |                 |                                            |
|                 |                                                    | 6615            | Trulite Glass and Aluminum Solutions |                 |                                            |

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| 6700            | Temp Glass Inc.                                     | 6766            | Garibaldi Glass Ind. Inc.                        | 6816            | Valentini Glass & Components srl                               |
| 6701            | Temp Glass Inc.                                     | 6767            | Garibaldi Glass Ind. Inc.                        | 6817            | Foshan YC Glass Co., Ltd.                                      |
| 6702            | Vidrio Bisel S.A. de C.V. (Santos Chocano)          | 6768            | Garibaldi Glass Ind. Inc.                        | 6818            | Foshan YC Glass Co., Ltd.                                      |
| 6703            | Vidrio Bisel S.A. de C.V. (Santos Chocano)          | 6769            | Trulite Glass and Aluminum Solutions             | 6819            | Foshan YC Glass Co., Ltd.                                      |
| 6704            | Glassbel Baltic                                     | 6773            | Oldcastle BuildingEnvelope®                      | 6820            | Foshan YC Glass Co., Ltd.                                      |
| 6705            | Glassbel Baltic                                     | 6774            | TG Taicang Architectural Glass Co. Ltd           | 6821            | Foshan YC Glass Co., Ltd.                                      |
| 6706            | Glassbel Baltic                                     | 6776            | Qingdao Ideal Building Material Co. Ltd.         | 6822            | Foshan YC Glass Co., Ltd.                                      |
| 6707            | Glassbel Baltic                                     | 6777            | Qingdao Ideal Building Material Co. Ltd.         | 6823            | Foshan YC Glass Co., Ltd.                                      |
| 6708            | Glassbel Baltic                                     | 6779            | Qingdao Laurel Glass Technology Co., Ltd         | 6824            | Foshan YC Glass Co., Ltd.                                      |
| 6709            | Glassbel Baltic                                     | 6781            | Qingdao Laurel Glass Technology Co., Ltd         | 6825            | Eckelt Glas GmbH                                               |
| 6710            | Glassbel Baltic                                     | 6782            | Blue Star Glass Inc.                             | 6826            | Manko Window Systems- KS                                       |
| 6711            | Bel Pre Glassworks Inc.                             | 6783            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6827            | Manko Window Systems- KS                                       |
| 6713            | Glaz-Tech Industries, Inc.                          | 6784            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6828            | Manko Window Systems- KS                                       |
| 6714            | Chicago Tempered Glass, Inc.                        | 6785            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6829            | Manko Window Systems- KS                                       |
| 6715            | Tempco Glass                                        | 6786            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6830            | Manko Window Systems- KS                                       |
| 6716            | Procesadora De Jalisco S.A. DE C.V. - Queretaro     | 6787            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6831            | Manko Window Systems- KS                                       |
| 6717            | Procesadora De Jalisco S.A. DE C.V. - Queretaro     | 6788            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6832            | Manko Window Systems- KS                                       |
| 6718            | Procesadora de Jalisco, S.A. DE C.V.                | 6789            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6833            | Manko Window Systems- KS                                       |
| 6719            | Procesadora de Jalisco, S.A. DE C.V.                | 6790            | Wujiang CSG Huadong Architectural Glass Co., LTD | 6834            | Manko Window Systems- KS                                       |
| 6720            | Procesadora de Jalisco, S.A. DE C.V.                | 6791            | Foshan YC Glass Co., Ltd.                        | 6835            | Manko Window Systems- KS                                       |
| 6721            | Procesadora de Jalisco, S.A. DE C.V.                | 6792            | Premier Glass Products                           | 6836            | Manko Window Systems- KS                                       |
| 6722            | Procesadora de Jalisco, S.A. DE C.V.                | 6793            | Premier Glass Products                           | 6840            | Cristec Glass S.L.                                             |
| 6723            | Cardinal CG                                         | 6794            | Premier Glass Products                           | 6841            | Thermoseal Industries, a Senneca Company                       |
| 6724            | Guardian VIG, LLC                                   | 6795            | Glass Global Distributors LLC                    | 6842            | Cardinal CT                                                    |
| 6725            | Zhongshan Walle Glass Product Co., Ltd              | 6796            | Glass Global Distributors LLC                    | 6843            | Oldcastle BuildingEnvelope®                                    |
| 6726            | Zhongshan Walle Glass Product Co., Ltd              | 6797            | Glass Global Distributors LLC                    | 6844            | Shanghai Hangqi Glass Co., LTD.                                |
| 6727            | Zhongshan Walle Glass Product Co., Ltd              | 6798            | Glass Global Distributors LLC                    | 6845            | Ningbo Xinxin Glass Technology Co., Ltd                        |
| 6728            | Cristacurva                                         | 6799            | Glass Global Distributors LLC                    | 6848            | Xinyi Glass (Yingkou) Co., Ltd.                                |
| 6729            | Cristacurva                                         | 6800            | Saint-Gobain Glassolutions Objekt-Center GmbH    | 6849            | Xinyi Glass (Yingkou) Co., Ltd.                                |
| 6730            | Cristacurva                                         | 6801            | Saint-Gobain Glassolutions Objekt-Center GmbH    | 6850            | Xinyi Glass (Yingkou) Co., Ltd.                                |
| 6731            | Cristacurva                                         | 6802            | Cardinal CG                                      | 6851            | Xinyi Glass (Yingkou) Co., Ltd.                                |
| 6732            | Cristacurva                                         | 6803            | Viwinco, Inc.                                    | 6852            | Xinyi Glass (Yingkou) Co., Ltd.                                |
| 6733            | Northwestern Glass Fab                              | 6808            | Guangdong South Star Glass Limited               | 6853            | Xinyi Glass (Yingkou) Co., Ltd.                                |
| 6734            | Northwestern Glass Fab                              | 6810            | Chongqing SYP Engineering Glass Co., Ltd.        | 6854            | C&C Custom Glass & Tempering, LLC                              |
| 6735            | Northwestern Glass Fab                              | 6811            | Chongqing SYP Engineering Glass Co., Ltd.        | 6855            | C&C Custom Glass & Tempering, LLC                              |
| 6736            | Northwestern Glass Fab                              | 6812            | Chongqing SYP Engineering Glass Co., Ltd.        | 6856            | C&C Custom Glass & Tempering, LLC                              |
| 6737            | Northwestern Glass Fab                              | 6813            | Chongqing SYP Engineering Glass Co., Ltd.        | 6857            | C&C Custom Glass & Tempering, LLC                              |
| 6738            | GELI Glas Energieeffizienz Lichtdesign Ilmenau GmbH | 6814            | Chongqing SYP Engineering Glass Co., Ltd.        | 6858            | C&C Custom Glass & Tempering, LLC                              |
| 6739            | GELI Glas Energieeffizienz Lichtdesign Ilmenau GmbH | 6815            | Chongqing SYP Engineering Glass Co., Ltd.        | 6859            | C&C Custom Glass & Tempering, LLC                              |
| 6741            | Trulite Glass and Aluminum Solutions                |                 |                                                  | 6860            | C&C Custom Glass & Tempering, LLC                              |
| 6742            | Trulite Glass and Aluminum Solutions                |                 |                                                  | 6861            | C&C Custom Glass & Tempering, LLC                              |
| 6743            | Upstate Glass Tempering Inc.                        |                 |                                                  | 6862            | C&C Custom Glass & Tempering, LLC                              |
| 6746            | Strong Tempering Glass Industry LLC                 |                 |                                                  | 6863            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |
| 6747            | Saudi American Glass Company                        |                 |                                                  | 6864            | U.S. Glass Distributors Inc.                                   |
| 6748            | Saudi American Glass Company                        |                 |                                                  | 6865            | Vitelsa Mosquera                                               |
| 6749            | Saudi American Glass Company                        |                 |                                                  | 6866            | Vitelsa Mosquera                                               |
| 6750            | Saudi American Glass Company                        |                 |                                                  | 6867            | CS ECO Glass                                                   |
| 6759            | Trulite Glass and Aluminum Solutions                |                 |                                                  |                 |                                                                |
| 6760            | Trulite Glass and Aluminum Solutions                |                 |                                                  |                 |                                                                |

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| SGCC No. |                                               | SGCC No. |                                                          | SGCC No. |                                               |
|----------|-----------------------------------------------|----------|----------------------------------------------------------|----------|-----------------------------------------------|
| 6868     | CS ECO Glass                                  | 6921     | Glasswerks GWLA- East                                    | 6986     | Qinhuangdao Boye Glass Co., Ltd.              |
| 6869     | CS ECO Glass                                  | 6922     | LTI Smart Glass, Inc.                                    | 6987     | Shanghai SYP Engineering Glass                |
| 6870     | CS ECO Glass                                  | 6923     | LTI Smart Glass, Inc.                                    | 6988     | Shanghai SYP Engineering Glass                |
| 6871     | CS ECO Glass                                  | 6924     | LTI Smart Glass, Inc.                                    | 6989     | Val y Val SA de CV                            |
| 6872     | CS ECO Glass                                  | 6925     | LTI Smart Glass, Inc.                                    | 6990     | Val y Val SA de CV                            |
| 6877     | Yong Feng Tai Foshan City Glas Co., LTD.      | 6926     | LTI Smart Glass, Inc.                                    | 6991     | GlassecoViracon                               |
| 6878     | Yong Feng Tai Foshan City Glas Co., LTD.      | 6927     | South Bay Showers, Inc.                                  | 6992     | GlassecoViracon                               |
| 6879     | Yong Feng Tai Foshan City Glas Co., LTD.      | 6928     | South Bay Showers, Inc.                                  | 6993     | GlassecoViracon                               |
| 6880     | Shanghai Hangqi Glass Co., LTD.               | 6929     | Dalian Yihai Safety Glass Science & Technology Co., Ltd. | 6994     | GlassecoViracon                               |
| 6881     | Shanghai Hangqi Glass Co., LTD.               | 6930     | Dalian Yihai Safety Glass Science & Technology Co., Ltd. | 6995     | GlassecoViracon                               |
| 6882     | Fujian Xihe Sanitary Ware Technology Co., Ltd | 6947     | Shape Products LLC.                                      | 6996     | GlassecoViracon                               |
| 6883     | Qingdao Apis Glass Industries Co. Ltd.        | 6948     | Foshan ZhongKang YiMeiJia Glass Co. Ltd.                 | 6997     | GlassecoViracon                               |
| 6884     | Qingdao Apis Glass Industries Co. Ltd.        | 6949     | Foshan ZhongKang YiMeiJia Glass Co. Ltd.                 | 6998     | GlassecoViracon                               |
| 6885     | Qingdao Apis Glass Industries Co. Ltd.        | 6950     | Foshan ZhongKang YiMeiJia Glass Co. Ltd.                 | 6999     | LandGlass Technology Co., LTD                 |
| 6886     | Precision Glass Industries                    | 6951     | Crystal Art Glass Inc.                                   | 7002     | Trulite Glass and Aluminum Solutions          |
| 6887     | Precision Glass Industries                    | 6952     | Industries Vanier Inc.                                   | 7003     | SAGE Electrochromics Inc.                     |
| 6888     | Precision Glass Industries                    | 6953     | Industries Vanier Inc.                                   | 7004     | Manko Windows                                 |
| 6889     | Precision Glass Industries                    | 6954     | Industries Vanier Inc.                                   | 7006     | Novatech Canada Inc.                          |
| 6890     | Multiver                                      | 6955     | Industries Vanier Inc.                                   | 7007     | Novatech Canada Inc.                          |
| 6891     | Aluminum Manufacturers Co. Ltd - ALUMATEC     | 6956     | Industries Vanier Inc.                                   | 7008     | Novatech Canada Inc.                          |
| 6892     | Aluminum Manufacturers Co. Ltd - ALUMATEC     | 6957     | Industries Vanier Inc.                                   | 7009     | Novatech Canada Inc.                          |
| 6893     | Les Verres VMIK Inc.                          | 6958     | Industries Vanier Inc.                                   | 7010     | All Weather Tempering of Arizona, LLC.        |
| 6894     | Les Verres VMIK Inc.                          | 6959     | Industries Vanier Inc.                                   | 7011     | All Weather Tempering of Arizona, LLC.        |
| 6895     | Les Verres VMIK Inc.                          | 6960     | Industries Vanier Inc.                                   | 7012     | All Weather Tempering of Arizona, LLC.        |
| 6896     | Les Verres VMIK Inc.                          | 6961     | D3 Glass, LLC                                            | 7013     | Ready Glass & Mirror, Inc.                    |
| 6897     | Les Verres VMIK Inc.                          | 6962     | C&C Custom Glass & Tempering, LLC                        | 7014     | Trulite Glass and Aluminum Solutions          |
| 6898     | Flat Glass Group Co., Ltd.                    | 6963     | PRESS GLASS SA                                           | 7015     | LTI Smart Glass, Inc.                         |
| 6901     | Eckelt Glas GmbH                              | 6964     | Phoenicia Flat Glass Industries                          | 7016     | Dlubak Corporation                            |
| 6902     | Denver Glass Interiors, Inc.                  | 6965     | Deyao Glass Products (Zhongshan) Co., LTD                | 7017     | Cardinal CT - S                               |
| 6903     | Beijing Wuhua Tianbao Glass Co.               | 6966     | Deyao Glass Products (Zhongshan) Co., LTD                | 7018     | Trulite Glass and Aluminum Solutions          |
| 6904     | Beijing Wuhua Tianbao Glass Co.               | 6967     | Deyao Glass Products (Zhongshan) Co., LTD                | 7019     | Oldcastle BuildingEnvelope®                   |
| 6905     | Beijing Wuhua Tianbao Glass Co.               | 6968     | Deyao Glass Products (Zhongshan) Co., LTD                | 7020     | Foshan Super Glass Ind. Co; Ltd.              |
| 6906     | Beijing Wuhua Tianbao Glass Co.               | 6969     | Deyao Glass Products (Zhongshan) Co., LTD                | 7021     | Foshan Super Glass Ind. Co; Ltd.              |
| 6907     | Beijing Wuhua Tianbao Glass Co.               | 6970     | Shenzhen Sun Global Glass Co., Limited                   | 7022     | Maryland Glass & Mirror                       |
| 6908     | Beijing Wuhua Tianbao Glass Co.               | 6971     | Reem Emirates Aluminum & Glass                           | 7023     | GlassFab Tempering Services, Inc. Mariani Ct. |
| 6909     | Beijing Wuhua Tianbao Glass Co.               | 6972     | Bronco Industries, Inc.                                  | 7024     | GlassFab Tempering Services Inc. Holly Drive  |
| 6910     | Beijing Wuhua Tianbao Glass Co.               | 6973     | Bronco Industries, Inc.                                  | 7025     | Thompson I.G. LLC.                            |
| 6911     | Beijing Wuhua Tianbao Glass Co.               | 6974     | Bronco Industries, Inc.                                  | 7026     | Fujian Xihe Sanitary Ware Technology Co., Ltd |
| 6912     | Beijing Wuhua Tianbao Glass Co.               | 6977     | Thermover 2017                                           | 7027     | Fujian Xihe Sanitary Ware Technology Co., Ltd |
| 6913     | Saint-Gobain Glassolutions Objekt-Center GmbH | 6978     | Thermover 2017                                           | 7028     | Uniglass                                      |
| 6914     | Saint-Gobain Glassolutions Objekt-Center GmbH | 6979     | Thermover 2017                                           | 7029     | Uniglass                                      |
| 6915     | Saint-Gobain Glassolutions Objekt-Center GmbH | 6980     | Thermover 2017                                           | 7030     | Uniglass                                      |
| 6916     | Denver Glass Interiors, Inc.                  | 6981     | TEMCOR S. DE RL DE CV                                    | 7031     | Uniglass                                      |
| 6917     | 24 Hour Thermal Glass Insulated Ltd.          | 6982     | TEMCOR S. DE RL DE CV                                    | 7032     | Uniglass                                      |
| 6918     | 24 Hour Thermal Glass Insulated Ltd.          | 6983     | TEMCOR S. DE RL DE CV                                    | 7033     | Sunfire Glass, Inc.                           |
| 6919     | 24 Hour Thermal Glass Insulated Ltd.          | 6984     | Industrial Tempering Glass                               | 7034     | D3 Glass, LLC                                 |
| 6920     | 24 Hour Thermal Glass Insulated Ltd.          | 6985     | Industrial Tempering Glass                               | 7035     | Sunfire Glass, Inc.                           |
|          |                                               |          |                                                          | 7036     | Sunfire Glass, Inc.                           |
|          |                                               |          |                                                          | 7037     | Sunfire Glass, Inc.                           |
|          |                                               |          |                                                          | 7038     | Sunfire Glass, Inc.                           |
|          |                                               |          |                                                          | 7039     | Oldcastle BuildingEnvelope®                   |

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|----------|------------------------------------------------------------------|----------|----------------------------------------------------------------|----------|-----------------------------------------------------------|
| 7048     | Zhangjiagang City Daming Glass Product Co., Ltd                  | 7097     | Integrity Glass Tempering, LLC.                                | 7149     | Precision Glass Bending Corporation                       |
| 7050     | Sichuan CSG Energy Conservation Glass Co., Ltd.                  | 7098     | Oldcastle BuildingEnvelope®                                    | 7150     | Precision Glass Bending Corporation                       |
| 7051     | Sichuan CSG Energy Conservation Glass Co., Ltd.                  | 7099     | Oldcastle BuildingEnvelope®                                    | 7151     | Precision Glass Bending Corporation                       |
| 7052     | Sichuan CSG Energy Conservation Glass Co., Ltd.                  | 7100     | Fountain Glass Inc.                                            | 7152     | Precision Glass Bending Corporation                       |
| 7053     | Sichuan CSG Energy Conservation Glass Co., Ltd.                  | 7101     | Fountain Glass Inc.                                            | 7153     | Precision Glass Bending Corporation                       |
| 7054     | Sichuan CSG Energy Conservation Glass Co., Ltd.                  | 7102     | Fountain Glass Inc.                                            | 7154     | Precision Glass Bending Corporation                       |
| 7055     | Sichuan CSG Energy Conservation Glass Co., Ltd.                  | 7103     | Fountain Glass Inc.                                            | 7155     | Precision Glass Bending Corporation                       |
| 7056     | Sichuan CSG Energy Conservation Glass Co., Ltd.                  | 7104     | Fountain Glass Inc.                                            | 7156     | US Glass Tempering Inc.                                   |
| 7058     | TG Taicang Architectural Glass Co. Ltd                           | 7105     | Fountain Glass Inc.                                            | 7157     | US Glass Tempering Inc.                                   |
| 7059     | Premier Glass Products                                           | 7106     | Fountain Glass Inc.                                            | 7158     | US Glass Tempering Inc.                                   |
| 7060     | Premier Glass Products                                           | 7107     | View Inc.                                                      | 7159     | US Glass Tempering Inc.                                   |
| 7061     | Premier Glass Products                                           | 7108     | View Inc.                                                      | 7160     | US Glass Tempering Inc.                                   |
| 7062     | Innovative Glass Products LLC                                    | 7109     | Oldcastle BuildingEnvelope®                                    | 7161     | US Glass Tempering Inc.                                   |
| 7063     | Innovative Glass Products LLC                                    | 7110     | Qingdao Laurel Glass Technology Co., Ltd                       | 7162     | Panoramic Doors LLC                                       |
| 7064     | Innovative Glass Products LLC                                    | 7111     | SG Glass Industries L.L.C.                                     | 7163     | Jiangyin Haitong Glass Technology CO., LTD                |
| 7065     | Innovative Glass Products LLC                                    | 7112     | SG Glass Industries L.L.C.                                     | 7164     | Vitrum Industries Ltd.                                    |
| 7066     | Yong Feng Tai Foshan City Glas Co., LTD.                         | 7113     | Curved Glass Creations, LLC                                    | 7165     | La Tecnica Nel Vetro SpA                                  |
| 7067     | Cardinal IG                                                      | 7114     | ChangShu MayBo Glass Co., Ltd                                  | 7166     | La Tecnica Nel Vetro SpA                                  |
| 7069     | Yong Feng Tai Foshan City Glas Co., LTD.                         | 7115     | ChangShu MayBo Glass Co., Ltd                                  | 7167     | La Tecnica Nel Vetro SpA                                  |
| 7070     | Onyx Solar Energy, S.L.                                          | 7116     | ChangShu MayBo Glass Co., Ltd                                  | 7168     | La Tecnica Nel Vetro SpA                                  |
| 7071     | Onyx Solar Energy, S.L.                                          | 7117     | Vitrum Industries Ltd.                                         | 7169     | La Tecnica Nel Vetro SpA                                  |
| 7072     | Tristar Glass, Inc.                                              | 7118     | Vitrum Industries Ltd.                                         | 7170     | Mr. Glass Tempering, LLC                                  |
| 7073     | Tristar Glass, Inc.                                              | 7119     | Vitrum Industries Ltd.                                         | 7171     | Mr. Glass Tempering, LLC                                  |
| 7074     | Glasswerks GWLA- East                                            | 7120     | Vitrum Industries Ltd.                                         | 7172     | Mr. Glass Tempering, LLC                                  |
| 7075     | W.C.P., Inc dba West Coast Insulated Glass Products              | 7121     | Vitrum Industries Ltd.                                         | 7173     | Mr. Glass Tempering, LLC                                  |
| 7076     | W.C.P., Inc dba West Coast Insulated Glass Products              | 7122     | Vitrum Industries Ltd.                                         | 7174     | La Tecnica Nel Vetro SpA                                  |
| 7077     | W.C.P., Inc dba West Coast Insulated Glass Products              | 7123     | Trulite Glass and Aluminum Solutions                           | 7175     | AJJ Glass Products Co., Ltd                               |
| 7079     | LTI Smart Glass, Inc.                                            | 7124     | Vitrum Industries Ltd.                                         | 7176     | AJJ Glass Products Co., Ltd                               |
| 7080     | Tristar Glass, Inc.                                              | 7125     | Qingdao Laurel Glass Technology Co., Ltd                       | 7177     | AJJ Glass Products Co., Ltd                               |
| 7081     | Tristar Glass, Inc.                                              | 7126     | Qingdao Laurel Glass Technology Co., Ltd                       | 7178     | AJJ Glass Products Co., Ltd                               |
| 7082     | Vitro Architectural Glass                                        | 7127     | Qingdao Laurel Glass Technology Co., Ltd                       | 7179     | AJJ Glass Products Co., Ltd                               |
| 7083     | Vitro Architectural Glass                                        | 7128     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 7180     | Glass Depot Inc.                                          |
| 7084     | GlassecViracon                                                   | 7129     | Shanghai SYP Engineering Glass                                 | 7181     | Glass Depot Inc.                                          |
| 7085     | White Aluminum Enterprises LLC                                   | 7131     | GnT Glass Co., Ltd.                                            | 7182     | Fujian Chengda Glass Co., Ltd                             |
| 7086     | Trulite Glass and Aluminum Solutions                             | 7132     | Pilkington Architectural                                       | 7183     | Fujian Chengda Glass Co., Ltd                             |
| 7089     | Thermoseal Industries, a Senneca Company                         | 7133     | Pilkington Architectural                                       | 7184     | Fujian Chengda Glass Co., Ltd                             |
| 7090     | Guardian VIG, LLC                                                | 7134     | Pilkington Architectural                                       | 7185     | Fujian Chengda Glass Co., Ltd                             |
| 7091     | Guardian VIG, LLC                                                | 7135     | Pilkington Architectural                                       | 7186     | Fujian Chengda Glass Co., Ltd                             |
| 7092     | Guardian VIG, LLC                                                | 7136     | Pilkington Architectural                                       | 7187     | Fujian Chengda Glass Co., Ltd                             |
| 7093     | Guardian VIG, LLC                                                | 7137     | Pilkington Architectural                                       | 7188     | Fujian Chengda Glass Co., Ltd                             |
| 7094     | Thermo BSL                                                       | 7138     | Pilkington Architectural                                       | 7189     | ECO Glass                                                 |
| 7095     | Colorkote CT, LLC                                                | 7139     | Pilkington Architectural                                       | 7190     | Pietta Glass Working Srl                                  |
| 7096     | Guangdong Yingxing Special Glass Technology Development Co., Ltd | 7140     | J.C. Moag Corporation                                          | 7191     | Pietta Glass Working Srl                                  |
|          |                                                                  | 7141     | Zhangjiagang Weiyu Fabricated Glass Co. Ltd.                   | 7192     | Compagnie de Portes Énergétique EDC (Energy Door Company) |
|          |                                                                  | 7142     | Zhangjiagang Weiyu Fabricated Glass Co. Ltd.                   | 7193     | Bazhou hua Biao Furniture Co., Ltd.                       |
|          |                                                                  | 7143     | Glass Design of Miami, Inc.                                    | 7194     | Bazhou hua Biao Furniture Co., Ltd.                       |
|          |                                                                  | 7144     | Glass Design of Miami, Inc.                                    | 7195     | Bazhou hua Biao Furniture Co., Ltd.                       |
|          |                                                                  | 7145     | Glass Design of Miami, Inc.                                    | 7196     | Bazhou hua Biao Furniture Co., Ltd.                       |
|          |                                                                  | 7146     | Griffin Glass & Metal Werks, Inc.                              | 7197     | Aluminum Technology Auxiliary Industries                  |
|          |                                                                  | 7147     | Griffin Glass & Metal Werks, Inc.                              | 7198     | Aluminum Technology Auxiliary Industries                  |
|          |                                                                  | 7148     | Griffin Glass & Metal Werks, Inc.                              | 7201     | Griffin Glass & Metal Werks, Inc.                         |
|          |                                                                  |          |                                                                | 7202     | Griffin Glass & Metal Werks, Inc.                         |

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| <b>SGCC No.</b> |                                                          | <b>SGCC No.</b> |                       | <b>SGCC No.</b> |  |
|-----------------|----------------------------------------------------------|-----------------|-----------------------|-----------------|--|
| 7210            | Qingdao Laurel Glass Technology Co., Ltd                 | 7314            | ProTemp Glass, Inc.   |                 |  |
| 7214            | Tempco Glass                                             | 7315            | ProTemp Glass, Inc.   |                 |  |
| 7223            | Qingdao Oriental Brother New Energy Technology Co., Ltd. | 7316            | ProTemp Glass, Inc.   |                 |  |
| 7224            | Qingdao Oriental Brother New Energy Technology Co., Ltd. | 7317            | Cardinal CT           |                 |  |
| 7225            | Tristar Glass, Inc.                                      | 7318            | Cardinal CT           |                 |  |
| 7227            | Mid-American Glass                                       | 7319            | Cardinal CT           |                 |  |
| 7228            | Mid-American Glass                                       | 7320            | Cardinal CT           |                 |  |
| 7229            | Mid-American Glass                                       | 7321            | Cardinal CT           |                 |  |
| 7230            | Mid-American Glass                                       | 7322            | Cardinal CT           |                 |  |
| 7231            | Mid-American Glass                                       | 7323            | Cardinal CT           |                 |  |
| 7232            | Mid-American Glass                                       | 7329            | Global Tempering, LLC |                 |  |
| 7235            | Inter Fonction Ltee                                      | 7330            | Global Tempering, LLC |                 |  |
| 7236            | Inter Fonction Ltee                                      | 7331            | Global Tempering, LLC |                 |  |
| 7237            | White Aluminum Enterprises LLC                           | 7332            | Global Tempering, LLC |                 |  |
| 7245            | Integral Seal Mfg. Inc.                                  |                 |                       |                 |  |
| 7246            | Integral Seal Mfg. Inc.                                  |                 |                       |                 |  |
| 7247            | Qianse Acrylic Co., LTD.                                 |                 |                       |                 |  |
| 7249            | Rohden Vidros LTDA                                       |                 |                       |                 |  |
| 7250            | Oldcastle BuildingEnvelope®                              |                 |                       |                 |  |
| 7252            | South Bay Showers, Inc.                                  |                 |                       |                 |  |
| 7253            | South Bay Showers, Inc.                                  |                 |                       |                 |  |
| 7254            | South Bay Showers, Inc.                                  |                 |                       |                 |  |
| 7255            | NYC Glass Corp                                           |                 |                       |                 |  |
| 7256            | Tecnovidrio S.A. de C.V.                                 |                 |                       |                 |  |
| 7257            | Tecnovidrio S.A. de C.V.                                 |                 |                       |                 |  |
| 7259            | Qinhuangdao Rongsheng Glass Processing Co., Ltd.         |                 |                       |                 |  |
| 7260            | White Aluminum Enterprises LLC                           |                 |                       |                 |  |
| 7262            | Oldcastle BuildingEnvelope®                              |                 |                       |                 |  |
| 7263            | Sapphire Glass Systems Inc.                              |                 |                       |                 |  |
| 7264            | Sapphire Glass Systems Inc.                              |                 |                       |                 |  |
| 7265            | Sapphire Glass Systems Inc.                              |                 |                       |                 |  |
| 7266            | Eckelt Glas GmbH                                         |                 |                       |                 |  |
| 7267            | Eckelt Glas GmbH                                         |                 |                       |                 |  |
| 7268            | Jinzhou Fortune Spring Glass Co., Ltd.                   |                 |                       |                 |  |
| 7269            | A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY         |                 |                       |                 |  |
| 7276            | A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY         |                 |                       |                 |  |
| 7277            | A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY         |                 |                       |                 |  |
| 7278            | A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY         |                 |                       |                 |  |
| 7279            | Tangshan Qimingxing Glass Deep-processing Co., Ltd.      |                 |                       |                 |  |
| 7280            | Edge Tempering                                           |                 |                       |                 |  |
| 7281            | Northeast Building Products                              |                 |                       |                 |  |
| 7282            | Northeast Building Products                              |                 |                       |                 |  |
| 7283            | Northeast Building Products                              |                 |                       |                 |  |
| 7284            | Griffin Glass & Metal Werks, Inc.                        |                 |                       |                 |  |
| 7285            | Tempco Glass                                             |                 |                       |                 |  |
| 7286            | LTi Smart Glass, Inc.                                    |                 |                       |                 |  |
| 7312            | ProTemp Glass, Inc.                                      |                 |                       |                 |  |
| 7313            | ProTemp Glass, Inc.                                      |                 |                       |                 |  |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                                      | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                             | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|--------------------------------------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|-------------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|
| <b>24 Hour Thermal Glass Insulated Ltd. ; Concord, ON</b>                                  |           |                                |      |                  |                       |               | <b>AGNORA LTD ; Collingwood, ON</b>                               |           |                                |      |                  |                       |               |
| 6917                                                                                       | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 4883                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 6918                                                                                       | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 4885                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 6919                                                                                       | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 4884                                                              | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 6920                                                                                       | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 4886                                                              | COMP+CAN  | (H)                            |      | 12+ LTG (b)(A)   | (.030)                | UA            |
| <b>A.L. Smith Glass Co. Inc. ; Ijamsville, MD</b>                                          |           |                                |      |                  |                       |               | <b>AJJ Glass Products Co., Ltd ; Xiamen, Fujian</b>               |           |                                |      |                  |                       |               |
| 6144                                                                                       | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 7175                                                              | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 6145                                                                                       | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 7176                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| <b>A.N. ALODAN &amp; SONS CO. GLASS &amp; ALUMINIUM<br/>FACTORY ; Riyadh, Saudi Arabia</b> |           |                                |      |                  |                       |               | 7177                                                              | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 7269                                                                                       | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 7178                                                              | COMP+CAN  | *                              |      | 15.0TTG (4)      |                       | UA            |
| 7276                                                                                       | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            | 7179                                                              | COMP+CAN  | (H)                            |      | 16LTG (b)(A)     | (.030)                | UA            |
| 7277                                                                                       | COMP+CAN  | *                              |      | 12.0TTG (7)      |                       | UA            | <b>Al Abbar Architectural Glass ; Dubai, United Arab Emirates</b> |           |                                |      |                  |                       |               |
| 7278                                                                                       | COMP+CAN  | (H)                            |      | 10-16+LTG (b)(T) | (.060)                | UA            | 4846                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
| <b>Advanced Design Manufacturing ; Antioch, CA</b>                                         |           |                                |      |                  |                       |               | 3556                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            |
| 6685                                                                                       | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 3557                                                              | COMPOSITE | 5/16                           |      | 8.0TTG           |                       | UA            |
| 6686                                                                                       | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 3558                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            |
| <b>Advantec Global Innovations ; Langley, BC Canada</b>                                    |           |                                |      |                  |                       |               | 4590                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            |
| 4499                                                                                       | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 3976                                                              | COMPOSITE | *                              |      | 15.0TTG (4)      |                       | UA            |
| 4500                                                                                       | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 3977                                                              | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            |
| 4501                                                                                       | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 3560                                                              | COMPOSITE | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            |
| 4502                                                                                       | COMPOSITE | 5/16                           |      | 8.0TTG           |                       | UA            | <b>Aldora Aluminum and Glass Products Inc. ; Charleston, SC</b>   |           |                                |      |                  |                       |               |
| 4503                                                                                       | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 4328                                                              | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            |
| 4504                                                                                       | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 4330                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
| 4505                                                                                       | COMPOSITE | *                              |      | 15.0TTG (4)      |                       | UA            | 4331                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            |
| 4506                                                                                       | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 4335                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            |
| <b>AGC Flat Glass North America ; Greenland, TN</b>                                        |           |                                |      |                  |                       |               | 4336                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            |
| 598                                                                                        | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            | 4337                                                              | COMPOSITE | (H)                            |      | 8, 12LTG (lu)(A) | (.060)                | UA            |
| 955                                                                                        | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            | <b>Aldora Aluminum and Glass Products, Inc. ; Miramar, FL</b>     |           |                                |      |                  |                       |               |
| 220                                                                                        | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            | 4716                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
| 89                                                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 4717                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            |
| 4046                                                                                       | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            | 4718                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            |
| 90                                                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            | 4719                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            |
| 587                                                                                        | COMP+CAN  | 1/8                            |      | 3.0TPG (s)       |                       | UA            | 6477                                                              | COMPOSITE | 5/8                            |      | 16.0TTG          |                       | UA            |
| 2980                                                                                       | COMP+CAN  | 5/32                           |      | 4.0TPG (m)       |                       | UA            | 4789                                                              | COMPOSITE | (H)                            |      | 12LTG (lu)(A)(6) | (.090)                | UA            |
| 1139                                                                                       | COMP+CAN  | 3/16                           |      | 5.0TPG (s)       |                       | UA            | <b>Aldora Aluminum and Glass Products, Inc. ; Orlando, FL</b>     |           |                                |      |                  |                       |               |
| <b>AGC Flat Glass North America ; Spring Hill, KS</b>                                      |           |                                |      |                  |                       |               | 5574                                                              | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            |
| 1702                                                                                       | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            | 5575                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
| 1703                                                                                       | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            | 5576                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            |
| 1704                                                                                       | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            | 5579                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            |
| 1705                                                                                       | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 5577                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            |
| <b>AGC, Poma Glass Co. N.A. ; Boardman, OH</b>                                             |           |                                |      |                  |                       |               | 6429                                                              | COMPOSITE | (H)                            |      | 8LTG (ip)(A)     | (.060)                | UA            |
| 5471                                                                                       | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            | 6428                                                              | COMPOSITE | (H)                            |      | 8LTG (b)(A)      | (.060)                | UA            |
| 5473                                                                                       | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            | <b>All Counties Glass ; Stockton, CA</b>                          |           |                                |      |                  |                       |               |
| 5474                                                                                       | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 6409                                                              | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            |
| 5475                                                                                       | COMP+CAN  | 1/8                            |      | 3.0TPG (m)       |                       | UA            | 6410                                                              | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| <b>AGC-Poma Glass Co. N.A. ; Quakertown, PA</b>                                            |           |                                |      |                  |                       |               | 6411                                                              | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 2507                                                                                       | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 6412                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 3421                                                                                       | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 6413                                                              | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 2509                                                                                       | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 6414                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 2666                                                                                       | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 6415                                                              | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 2510                                                                                       | COMPOSITE | 1/8                            |      | 3.0TPG (s)       |                       | UA            |                                                                   |           |                                |      |                  |                       |               |
| 3698                                                                                       | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            |                                                                   |           |                                |      |                  |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                   | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE        | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                                  | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE       | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-------------------------------------------------------------------------|-----------|--------------------------------|------|-------------|-----------------------|---------------|----------------------------------------------------------------------------------------|-----------|--------------------------------|------|------------|-----------------------|---------------|
| <b>All Team Glass &amp; Mirror, Ltd. ; Woodbridge, ON Canada</b>        |           |                                |      |             |                       |               | <b>Amsco Windows ; Salt Lake City, UT</b>                                              |           |                                |      |            |                       |               |
| 1754                                                                    | COMPOSITE | 5/32                           |      | 4.0TTG      |                       | UA            | 2578                                                                                   | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            |
| 1755                                                                    | COMPOSITE | 3/16                           |      | 5.0TTG      |                       | UA            | 4643                                                                                   | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            |
| 1756                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            | 2580                                                                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            |
| 2790                                                                    | COMPOSITE | 5/16                           |      | 8.0TTG      |                       | UA            | 2581                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| 1757                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG     |                       | UA            | 2582                                                                                   | COMPOSITE | 1/8                            |      | 3.0TPG (m) |                       | UA            |
| 1758                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG     |                       | UA            | 2584                                                                                   | COMPOSITE | 3/16                           |      | 5.0TPG (m) |                       | UA            |
| 4355                                                                    | COMPOSITE | 5/8                            |      | 16.0TTG     |                       | UA            | <b>Anthony International ; Madison, GA</b>                                             |           |                                |      |            |                       |               |
| 3656                                                                    | COMPOSITE | 3/4                            |      | 19.0TTG     |                       | UA            | 3249                                                                                   | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            |
| <b>All Weather Architectural Aluminum ; Vacaville, CA</b>               |           |                                |      |             |                       |               | 3027                                                                                   | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            |
| 6395                                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG      |                       | UA            | 2352                                                                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            |
| 6396                                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG      |                       | UA            | 2353                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| 6397                                                                    | COMP+CAN  | 3/16                           |      | 5.0TTG      |                       | UA            | 5234                                                                                   | COMPOSITE | 5/16                           |      | 8.0TTG     |                       | UA            |
| 6398                                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG      |                       | UA            | 2453                                                                                   | COMPOSITE | 3/8                            |      | 10.0TTG    |                       | UA            |
| <b>All Weather Tempering of Arizona, LLC. ; Phoenix, AZ</b>             |           |                                |      |             |                       |               | 6099                                                                                   | COMPOSITE | 5/32                           |      | 4.0TBG     |                       | UA            |
| 6377                                                                    | COMPOSITE | 1/8                            |      | 3.0TTG      |                       | UA            | 2306                                                                                   | COMPOSITE | 3/16                           |      | 5.0TBG     |                       | UA            |
| 6378                                                                    | COMPOSITE | 5/32                           |      | 4.0TTG      |                       | UA            | 2307                                                                                   | COMPOSITE | 1/4                            |      | 6.0TBG     |                       | UA            |
| 6379                                                                    | COMPOSITE | 3/16                           |      | 5.0TTG      |                       | UA            | <b>Anthony International ; San Fernando, CA</b>                                        |           |                                |      |            |                       |               |
| 6380                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            | 520                                                                                    | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            |
| 7010                                                                    | COMPOSITE | 5/16                           |      | 8.0TTG      |                       | UA            | 2289                                                                                   | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            |
| 7011                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG     |                       | UA            | 999                                                                                    | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            |
| 7012                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG     |                       | UA            | 1000                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| 6381                                                                    | COMPOSITE | 1/8                            |      | 3.0TPG (s)  |                       | UA            | <b>Architectural Glass Products, LLC. ; St. Louis, MO</b>                              |           |                                |      |            |                       |               |
| 6382                                                                    | COMPOSITE | 3/16                           |      | 5.0TPG (m)  |                       | UA            | 4571                                                                                   | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            |
| <b>Allglass Tempering Inc. ; Schiller Park, IL</b>                      |           |                                |      |             |                       |               | 4572                                                                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            |
| 5835                                                                    | COMPOSITE | 5/32                           |      | 4.0TTG      |                       | UA            | 4573                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| 5836                                                                    | COMPOSITE | 3/16                           |      | 5.0TTG      |                       | UA            | 4574                                                                                   | COMPOSITE | 3/16                           |      | 5.0TPG (s) |                       | UA            |
| 5837                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            | <b>Arlene Stained Glass &amp; Door ; Houston, TX</b>                                   |           |                                |      |            |                       |               |
| 5838                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG     |                       | UA            | 5127                                                                                   | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            |
| 5839                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG     |                       | UA            | 3583                                                                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            |
| <b>Aluminum Manufacturers Co. Ltd - ALUMATEC ; Jeddah, Saudi Arabia</b> |           |                                |      |             |                       |               | 3584                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| 6151                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            | 3585                                                                                   | COMPOSITE | 5/32                           |      | 4.0TPG (d) |                       | UA            |
| 6152                                                                    | COMPOSITE | 5/16                           |      | 8.0TTG      |                       | UA            | <b>Arrow Mirror &amp; Glass, Inc. ; Houston, TX</b>                                    |           |                                |      |            |                       |               |
| 6891                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG     |                       | UA            | 6547                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| 6892                                                                    | COMPOSITE | (H)                            |      | LTG (b)(A)  | (.030)                | UA            | 6548                                                                                   | COMPOSITE | 3/8                            |      | 10.0TTG    |                       | UA            |
| <b>Aluminum Technology Auxiliary Industries ; Doha, Qatar</b>           |           |                                |      |             |                       |               | 6549                                                                                   | COMPOSITE | 1/2                            |      | 12.0TTG    |                       | UA            |
| 7197                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            | <b>Ascent Glass Products (Zhong Shan) Limited ; Zhongshan City, Guangdong Province</b> |           |                                |      |            |                       |               |
| 7198                                                                    | COMPOSITE | 5/16                           |      | 8.0TTG      |                       | UA            | 5865                                                                                   | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            |
| 5084                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG     |                       | UA            | 5866                                                                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            |
| 5212                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG     |                       | UA            | 5867                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| <b>American Insulated Glass Inc. ; Conley, GA</b>                       |           |                                |      |             |                       |               | 5868                                                                                   | COMPOSITE | 5/16                           |      | 8.0TTG     |                       | UA            |
| 5283                                                                    | COMPOSITE | 1/8                            |      | 3.0TTG      |                       | UA            | 5869                                                                                   | COMPOSITE | 3/8                            |      | 10.0TTG    |                       | UA            |
| 5284                                                                    | COMPOSITE | 3/16                           |      | 5.0TTG      |                       | UA            | <b>ATI Windows ; Riverside, CA</b>                                                     |           |                                |      |            |                       |               |
| 5285                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            | 5635                                                                                   | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            |
| 5286                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG     |                       | UA            | 5636                                                                                   | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            |
| 5287                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG     |                       | UA            | 5637                                                                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            |
| 5288                                                                    | COMPOSITE | 1/8                            |      | 3.0TPG (s)  |                       | UA            | 5638                                                                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            |
| 5289                                                                    | COMPOSITE | 3/16                           |      | 5.0TPG (m)  |                       | UA            | 5639                                                                                   | COMPOSITE | 1/8                            |      | 3.0TPG (s) |                       | UA            |
| <b>American Shower Door ; Los Angeles, CA</b>                           |           |                                |      |             |                       |               | 6042                                                                                   | COMPOSITE | 3/16                           |      | 5.0TPG (m) |                       | UA            |
| 3039                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            |                                                                                        |           |                                |      |            |                       |               |
| 3040                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG     |                       | UA            |                                                                                        |           |                                |      |            |                       |               |
| 3041                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG     |                       | UA            |                                                                                        |           |                                |      |            |                       |               |
| 3042                                                                    | COMPOSITE | 1/4                            |      | 6.0TPG (m)  |                       | UA            |                                                                                        |           |                                |      |            |                       |               |
| 3043                                                                    | COMPOSITE | 3/8                            |      | 10.0TPG (m) |                       | UA            |                                                                                        |           |                                |      |            |                       |               |

## Certified Products-Alphabetical By Plant

| SGCC#                                                           | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                        | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE            | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-----------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|--------------------------------------------------------------|-----------|--------------------------------|------|-----------------|-----------------------|---------------|
| <b>ATN Holding Inc. ; Mira Loma, CA</b>                         |           |                                |      |                  |                       |               | <b>Bendheim Wall Systems ; Wunsiedel-Holenbrunn, Germany</b> |           |                                |      |                 |                       |               |
| 5887                                                            | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 5145                                                         | COMPOSITE | *                              |      | 6.0TBP (s)(2)   |                       | 20x76 A       |
| 5888                                                            | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 5144                                                         | COMPOSITE | *                              |      | 7.0TBP (s)(2)   |                       | 16x76 A       |
| 6262                                                            | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 2570                                                         | COMPOSITE | *                              |      | 6.0TBG (2)      |                       | 20x76 A       |
| 6263                                                            | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 2569                                                         | COMPOSITE | *                              |      | 7.0TBG (2)      |                       | 16x76 A       |
| 6264                                                            | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | <b>Berkowitz, J.E. ; Pedricktown, NJ</b>                     |           |                                |      |                 |                       |               |
| 6261                                                            | COMPOSITE | 1/8                            |      | 3.0TPG (s)       |                       | UA            | 4837                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| 6696                                                            | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 2646                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            |
| <b>Basco Engineered Products ; Hamilton, OH</b>                 |           |                                |      |                  |                       |               | 1991                                                         | COMP+CAN  | 1/2                            |      | 12.0TTG         |                       | UA            |
| 4139                                                            | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 2647                                                         | COMP+CAN  | 3/4                            |      | 19.0TTG         |                       | UA            |
| 4724                                                            | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 5222                                                         | COMP+CAN  | (S)                            |      | 6LTG (b)(A)     | (.030)                | UA            |
| 3810                                                            | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 3750                                                         | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A) | (.030)                | UA            |
| 3811                                                            | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | <b>Blue Star Glass Inc. ; North Brunswick, NJ</b>            |           |                                |      |                 |                       |               |
| 3812                                                            | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 4517                                                         | COMPOSITE | 1/8                            |      | 3.0TTG          |                       | UA            |
| 5076                                                            | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 6782                                                         | COMPOSITE | 5/32                           |      | 4.0TTG          |                       | UA            |
| 4688                                                            | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 4518                                                         | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            |
| 4689                                                            | COMPOSITE | 1/4                            |      | 6.0TPG (s)       |                       | UA            | 4519                                                         | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            |
| 5203                                                            | COMPOSITE | 3/8                            |      | 10.0TPG (m)      |                       | UA            | 6407                                                         | COMPOSITE | 5/16                           |      | 8.0TTG          |                       | UA            |
| <b>Bazhou hua Biao Furniture Co., Ltd. ; Bazhou, Hebei</b>      |           |                                |      |                  |                       |               | 4520                                                         | COMPOSITE | 3/8                            |      | 10.0TTG         |                       | UA            |
| 7193                                                            | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            | 4521                                                         | COMPOSITE | 1/2                            |      | 12.0TTG         |                       | UA            |
| 7194                                                            | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 5174                                                         | COMPOSITE | 5/8                            |      | 16.0TTG         |                       | UA            |
| 7195                                                            | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            | 5175                                                         | COMPOSITE | 3/4                            |      | 19.0TTG         |                       | UA            |
| 7196                                                            | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            | <b>Bronco Industries, Inc. ; Delta, BC</b>                   |           |                                |      |                 |                       |               |
| <b>Beijing Northglass Technologies Co. Ltd ; Beijing, China</b> |           |                                |      |                  |                       |               | 6973                                                         | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            |
| 6668                                                            | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 5871                                                         | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            |
| 6669                                                            | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            | 6974                                                         | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| 6677                                                            | COMP+CAN  | (H)                            |      | 12-16+LTG (b)(A) | (.060)                | UA            | 5366                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| <b>Beijing Wuhua Tianbao Glass Co. ; Beijing, China</b>         |           |                                |      |                  |                       |               | 5367                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            |
| 6903                                                            | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 5368                                                         | COMP+CAN  | 1/2                            |      | 12.0TTG         |                       | UA            |
| 6904                                                            | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 6972                                                         | COMP+CAN  | 3/4                            |      | 19.0TTG         |                       | UA            |
| 6905                                                            | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | <b>BVGLAZING SYSTEMS ; Concord, ON</b>                       |           |                                |      |                 |                       |               |
| 6906                                                            | COMPOSITE | 5/16                           |      | 8.0TTG           |                       | UA            | 6134                                                         | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            |
| 6907                                                            | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 6135                                                         | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| 6908                                                            | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 6136                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| 6909                                                            | COMPOSITE | *                              |      | 15.0TTG (4)      |                       | UA            | 6137                                                         | COMP+CAN  | 5/16                           |      | 8.0TTG          |                       | UA            |
| 6910                                                            | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 6138                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            |
| 6912                                                            | COMPOSITE | (H)                            |      | 12LTG (b)(A)     | (.045)                | UA            | 6139                                                         | COMP+CAN  | 3/16                           |      | 5.0TPG (s)      |                       | UA            |
| 6911                                                            | COMPOSITE | (H)                            |      | 20+LTG (b)(A)    | (.030)                | UA            | <b>C&amp;C Custom Glass &amp; Tempering, LLC ; Tulsa, OK</b> |           |                                |      |                 |                       |               |
| <b>Bel Pre Glassworks Inc. ; Rockville, MD</b>                  |           |                                |      |                  |                       |               | 6854                                                         | COMPOSITE | 5/32                           |      | 4.0TTG          |                       | UA            |
| 6320                                                            | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 6855                                                         | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            |
| 6321                                                            | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 6856                                                         | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            |
| 6322                                                            | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 6857                                                         | COMPOSITE | 5/16                           |      | 8.0TTG          |                       | UA            |
| 6711                                                            | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 6858                                                         | COMPOSITE | 3/8                            |      | 10.0TTG         |                       | UA            |
| 6324                                                            | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 6859                                                         | COMPOSITE | 1/2                            |      | 12.0TTG         |                       | UA            |
| 6325                                                            | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 6860                                                         | COMPOSITE | 3/4                            |      | 19.0TTG         |                       | UA            |
| <b>Bel Shower Door Corporation ; Englewood, CO</b>              |           |                                |      |                  |                       |               | 6962                                                         | COMPOSITE | 5/32                           |      | 4.0TPG (s)      |                       | UA            |
| 6469                                                            | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            | 6861                                                         | COMPOSITE | 3/16                           |      | 5.0TPG (s)      |                       | UA            |
| 6470                                                            | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            | 6862                                                         | COMPOSITE | 3/8                            |      | 10.0TPG (s)     |                       | UA            |
| 6471                                                            | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | <b>Cameron Glass, Inc. ; Broken Arrow, OK</b>                |           |                                |      |                 |                       |               |
| 6472                                                            | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            | 4832                                                         | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            |
| 6473                                                            | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            | 2501                                                         | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| 6474                                                            | COMP+CAN  | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 2455                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
|                                                                 |           |                                |      |                  |                       |               | 2032                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            |
|                                                                 |           |                                |      |                  |                       |               | 2033                                                         | COMP+CAN  | 1/2                            |      | 12.0TTG         |                       | UA            |



**Certified Products-Alphabetical By Plant**

| SGCC#                                  | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE       | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                 | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE        | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|----------------------------------------|-----------|--------------------------------|------|------------|-----------------------|---------------|---------------------------------------|-----------|--------------------------------|------|-------------|-----------------------|---------------|
| <b>Cardinal CG ; Buford, GA</b>        |           |                                |      |            |                       |               | <b>Cardinal CG ; Spring Green, WI</b> |           |                                |      |             |                       |               |
| 1921                                   | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 2067                                  | COMP+CAN  | 1/8                            |      | 3.0TTG      |                       | UA            |
| 1922                                   | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 2068                                  | COMP+CAN  | 5/32                           |      | 4.0TTG      |                       | UA            |
| 1923                                   | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 2069                                  | COMP+CAN  | 3/16                           |      | 5.0TTG      |                       | UA            |
| 1924                                   | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 2070                                  | COMP+CAN  | 1/4                            |      | 6.0TTG      |                       | UA            |
| 2146                                   | COMP+CAN  | 1/8                            |      | 3.0TPG (s) |                       | UA            | 5281                                  | COMP+CAN  | 5/16                           |      | 8.0TTG      |                       | UA            |
| 4599                                   | COMP+CAN  | 3/16                           |      | 5.0TPG (s) |                       | UA            | 2071                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (s)  |                       | UA            |
| <b>Cardinal CG ; Casa Grande, AZ</b>   |           |                                |      |            |                       |               | 6802                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (m)  |                       | UA            |
| 2878                                   | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | <b>Cardinal CG ; Tumwater, WA</b>     |           |                                |      |             |                       |               |
| 2879                                   | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 2007                                  | COMP+CAN  | 1/8                            |      | 3.0TTG      |                       | UA            |
| 2880                                   | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 2008                                  | COMP+CAN  | 5/32                           |      | 4.0TTG      |                       | UA            |
| 2881                                   | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 2009                                  | COMP+CAN  | 3/16                           |      | 5.0TTG      |                       | UA            |
| 4103                                   | COMP+CAN  | 1/8                            |      | 3.0TPG (s) |                       | UA            | 2010                                  | COMP+CAN  | 1/4                            |      | 6.0TTG      |                       | UA            |
| 4104                                   | COMP+CAN  | 5/32                           |      | 4.0TPG (d) |                       | UA            | 2954                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (s)  |                       | UA            |
| 4105                                   | COMP+CAN  | 3/16                           |      | 5.0TPG (m) |                       | UA            | 6723                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (d)  |                       | UA            |
| <b>Cardinal CG ; Galt, CA</b>          |           |                                |      |            |                       |               | 2956                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (m)  |                       | UA            |
| 2357                                   | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            | <b>Cardinal CG ; Waxahachie, TX</b>   |           |                                |      |             |                       |               |
| 2358                                   | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            | 2699                                  | COMP+CAN  | 1/8                            |      | 3.0TTG      |                       | UA            |
| 2359                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            | 2700                                  | COMP+CAN  | 5/32                           |      | 4.0TTG      |                       | UA            |
| 2360                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            | 2701                                  | COMP+CAN  | 3/16                           |      | 5.0TTG      |                       | UA            |
| 3599                                   | COMPOSITE | 1/8                            |      | 3.0TPG (s) |                       | UA            | 2702                                  | COMP+CAN  | 1/4                            |      | 6.0TTG      |                       | UA            |
| 4347                                   | COMPOSITE | 5/32                           |      | 4.0TPG (d) |                       | UA            | 6555                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (m)  |                       | UA            |
| 3601                                   | COMPOSITE | 3/16                           |      | 5.0TPG (m) |                       | UA            | 4047                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (m)  |                       | UA            |
| <b>Cardinal CG ; Loveland, CO</b>      |           |                                |      |            |                       |               | 2705                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (m)  |                       | UA            |
| 3579                                   | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            | <b>Cardinal CT ; Adel, GA</b>         |           |                                |      |             |                       |               |
| 3580                                   | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            | 5095                                  | COMP+CAN  | 1/8                            |      | 3.0TTG      |                       | UA            |
| 3581                                   | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            | 5096                                  | COMP+CAN  | 5/32                           |      | 4.0TTG      |                       | UA            |
| 3555                                   | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            | 5097                                  | COMP+CAN  | 3/16                           |      | 5.0TTG      |                       | UA            |
| 4343                                   | COMPOSITE | 1/8                            |      | 3.0TPG (s) |                       | UA            | 5364                                  | COMP+CAN  | 1/4                            |      | 6.0TTG      |                       | UA            |
| 4344                                   | COMPOSITE | 5/32                           |      | 4.0TPG (d) |                       | UA            | 6842                                  | COMP+CAN  | 5/16                           |      | 8.0TTG      |                       | UA            |
| 4345                                   | COMPOSITE | 3/16                           |      | 5.0TPG (m) |                       | UA            | 6172                                  | COMP+CAN  | 3/8                            |      | 10.0TTG     |                       | UA            |
| 5720                                   | COMPOSITE | 1/4                            |      | 6.0TPG (d) |                       | UA            | 6173                                  | COMP+CAN  | 1/2                            |      | 12.0TTG     |                       | UA            |
| <b>Cardinal CG ; Mazomanie, WI</b>     |           |                                |      |            |                       |               | 5098                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (d)  |                       | UA            |
| 4780                                   | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 5099                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (d)  |                       | UA            |
| 4781                                   | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 5100                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (d)  |                       | UA            |
| 5306                                   | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 6174                                  | COMP+CAN  | 1/4                            |      | 6.0TPG (s)  |                       | UA            |
| 4783                                   | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 6516                                  | COMP+CAN  | 3/8                            |      | 10.0TPG (s) |                       | UA            |
| 6552                                   | COMP+CAN  | 5/16                           |      | 8.0TTG     |                       | UA            | <b>Cardinal CT ; Easton, PA</b>       |           |                                |      |             |                       |               |
| <b>Cardinal CG ; Moreno Valley, CA</b> |           |                                |      |            |                       |               | 4756                                  | COMP+CAN  | 1/8                            |      | 3.0TTG      |                       | UA            |
| 2293                                   | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 4757                                  | COMP+CAN  | 5/32                           |      | 4.0TTG      |                       | UA            |
| 2294                                   | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 4758                                  | COMP+CAN  | 3/16                           |      | 5.0TTG      |                       | UA            |
| 2295                                   | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 5842                                  | COMP+CAN  | 1/4                            |      | 6.0TTG      |                       | UA            |
| 2296                                   | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 4759                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (m)  |                       | UA            |
| 5335                                   | COMP+CAN  | 1/8                            |      | 3.0TPG (s) |                       | UA            | 4760                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (s)  |                       | UA            |
| 5336                                   | COMP+CAN  | 3/16                           |      | 5.0TPG (m) |                       | UA            | 6143                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (m)  |                       | UA            |
| <b>Cardinal CG ; Northfield, MN</b>    |           |                                |      |            |                       |               | <b>Cardinal CT ; Fort Worth, TX</b>   |           |                                |      |             |                       |               |
| 1985                                   | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 7317                                  | COMPOSITE | 1/8                            |      | 3.0TTG      |                       | UA            |
| 1986                                   | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 7318                                  | COMPOSITE | 5/32                           |      | 4.0TTG      |                       | UA            |
| 1987                                   | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 7319                                  | COMPOSITE | 3/16                           |      | 5.0TTG      |                       | UA            |
| 1988                                   | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 7320                                  | COMPOSITE | 1/4                            |      | 6.0TTG      |                       | UA            |
| 4775                                   | COMP+CAN  | 5/16                           |      | 8.0TTG     |                       | UA            | 7321                                  | COMPOSITE | 1/8                            |      | 3.0TPG (s)  |                       | UA            |
| 4137                                   | COMP+CAN  | 3/8                            |      | 10.0TTG    |                       | UA            | 7323                                  | COMPOSITE | 5/32                           |      | 4.0TPG (m)  |                       | UA            |
| 6534                                   | COMP+CAN  | 1/2                            |      | 12.0TTG    |                       | UA            | 7322                                  | COMPOSITE | 3/16                           |      | 5.0TPG (d)  |                       | UA            |
| 2011                                   | COMP+CAN  | 1/8                            |      | 3.0TPG (s) |                       | UA            |                                       |           |                                |      |             |                       |               |
| 2012                                   | COMP+CAN  | 5/32                           |      | 4.0TPG (d) |                       | UA            |                                       |           |                                |      |             |                       |               |
| 2013                                   | COMP+CAN  | 3/16                           |      | 5.0TPG (m) |                       | UA            |                                       |           |                                |      |             |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC#                                | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE       | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                 | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE            | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|--------------------------------------|-----------|--------------------------------|------|------------|-----------------------|---------------|---------------------------------------|-----------|--------------------------------|------|-----------------|-----------------------|---------------|
| <b>Cardinal CT ; Los Angeles, CA</b> |           |                                |      |            |                       |               | <b>Cardinal IG ; Fargo, ND</b>        |           |                                |      |                 |                       |               |
| 5085                                 | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 2235                                  | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            |
| 5086                                 | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 2234                                  | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            |
| 5087                                 | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 2233                                  | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| 5991                                 | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 2232                                  | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| 5088                                 | COMP+CAN  | 1/8                            |      | 3.0TPG (s) |                       | UA            | 7067                                  | COMP+CAN  | 5/16                           |      | 8.0TTG          |                       | UA            |
| 5089                                 | COMP+CAN  | 3/16                           |      | 5.0TPG (m) |                       | UA            | 2231                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (s)      |                       | UA            |
| <b>Cardinal CT ; Mount Airy, NC</b>  |           |                                |      |            |                       |               | 2285                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (m)      |                       | UA            |
| 4578                                 | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 2286                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (s)      |                       | UA            |
| 4579                                 | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | <b>Cardinal IG ; Fremont, IN</b>      |           |                                |      |                 |                       |               |
| 4580                                 | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 2176                                  | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            |
| 4581                                 | COMP+CAN  | 1/8                            |      | 3.0TPG (s) |                       | UA            | 2177                                  | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            |
| 4742                                 | COMP+CAN  | 5/32                           |      | 4.0TPG (m) |                       | UA            | 2178                                  | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| 4582                                 | COMP+CAN  | 3/16                           |      | 5.0TPG (s) |                       | UA            | 2179                                  | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| <b>Cardinal CT ; Utica, OH</b>       |           |                                |      |            |                       |               | 2203                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (s)      |                       | UA            |
| 4620                                 | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 2204                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (d)      |                       | UA            |
| 4621                                 | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 2205                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (s)      |                       | UA            |
| 4622                                 | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | <b>Cardinal IG ; Greenfield, IA</b>   |           |                                |      |                 |                       |               |
| 5479                                 | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 1827                                  | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            |
| 4623                                 | COMP+CAN  | 1/8                            |      | 3.0TPG (m) |                       | UA            | 1828                                  | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            |
| 4624                                 | COMP+CAN  | 5/32                           |      | 4.0TPG (m) |                       | UA            | 1829                                  | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| 4625                                 | COMP+CAN  | 3/16                           |      | 5.0TPG (m) |                       | UA            | 1830                                  | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| <b>Cardinal CT - S ; Irving TX</b>   |           |                                |      |            |                       |               | 5435                                  | COMP+CAN  | 5/16                           |      | 8.0TTG          |                       | UA            |
| 5101                                 | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            | 1841                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (s)      |                       | UA            |
| 5102                                 | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            | 1842                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (d)      |                       | UA            |
| 5103                                 | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            | 1843                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (s)      |                       | UA            |
| 5104                                 | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            | <b>Cardinal IG ; Hood River, OR</b>   |           |                                |      |                 |                       |               |
| 5105                                 | COMPOSITE | 1/8                            |      | 3.0TPG (s) |                       | UA            | 2831                                  | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            |
| 7017                                 | COMPOSITE | 5/32                           |      | 4.0TPG (m) |                       | UA            | 2858                                  | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            |
| 5106                                 | COMPOSITE | 3/16                           |      | 5.0TPG (d) |                       | UA            | 2833                                  | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| <b>Cardinal CT - W ; Irving TX</b>   |           |                                |      |            |                       |               | 2834                                  | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| 5245                                 | COMPOSITE | 1/8                            |      | 3.0TTG     |                       | UA            | 2857                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (s)      |                       | UA            |
| 5246                                 | COMPOSITE | 5/32                           |      | 4.0TTG     |                       | UA            | 4836                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (d)      |                       | UA            |
| 5247                                 | COMPOSITE | 3/16                           |      | 5.0TTG     |                       | UA            | 2859                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (m)      |                       | UA            |
| 5248                                 | COMPOSITE | 1/4                            |      | 6.0TTG     |                       | UA            | <b>Cardinal IG ; Mountain Top, PA</b> |           |                                |      |                 |                       |               |
| 5249                                 | COMPOSITE | 1/8                            |      | 3.0TPG (s) |                       | UA            | 3068                                  | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            |
| 5250                                 | COMPOSITE | 3/16                           |      | 5.0TPG (m) |                       | UA            | 3069                                  | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            |
| <b>Cardinal FG ; Durant, OK</b>      |           |                                |      |            |                       |               | 3070                                  | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            |
| 2909                                 | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 3071                                  | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |
| 2910                                 | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 3073                                  | COMP+CAN  | 1/8                            |      | 3.0TPG (m)      |                       | UA            |
| 2911                                 | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 3115                                  | COMP+CAN  | 5/32                           |      | 4.0TPG (s)      |                       | UA            |
| 2912                                 | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 3072                                  | COMP+CAN  | 3/16                           |      | 5.0TPG (m)      |                       | UA            |
| <b>Cardinal IG ; Buckeye, AZ</b>     |           |                                |      |            |                       |               | <b>Cardinal IG ; Ocala, FL</b>        |           |                                |      |                 |                       |               |
| 6556                                 | COMP+CAN  | 1/8                            |      | 3.0TTG     |                       | UA            | 3505                                  | COMPOSITE | 1/8                            |      | 3.0TTG          |                       | UA            |
| 6522                                 | COMP+CAN  | 5/32                           |      | 4.0TTG     |                       | UA            | 3506                                  | COMPOSITE | 5/32                           |      | 4.0TTG          |                       | UA            |
| 6523                                 | COMP+CAN  | 3/16                           |      | 5.0TTG     |                       | UA            | 3507                                  | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            |
| 6524                                 | COMP+CAN  | 1/4                            |      | 6.0TTG     |                       | UA            | 3508                                  | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            |
| 6557                                 | COMP+CAN  | 5/16                           |      | 8.0TTG     |                       | UA            | 4584                                  | COMPOSITE | 1/8                            |      | 3.0TPG (m)      |                       | UA            |
| 6558                                 | COMP+CAN  | 1/8                            |      | 3.0TPG (m) |                       | UA            | 4587                                  | COMPOSITE | 1/4                            |      | 6.0TPG (s)      |                       | UA            |
| 6525                                 | COMP+CAN  | 5/32                           |      | 4.0TPG (d) |                       | UA            | 3509                                  | COMPOSITE | (S)                            |      | 6LTG (b)(A)     | (.030)                | UA            |
| 6559                                 | COMP+CAN  | 3/16                           |      | 5.0TPG (m) |                       | UA            | 6100                                  | COMP+CAN  | (S)                            |      | 6LTG (ip)(A)    | (.035)                | UA            |
|                                      |           |                                |      |            |                       |               | 4362                                  | COMPOSITE | (H)                            |      | 8-12LTG (ip)(A) | (.035)                | UA            |
|                                      |           |                                |      |            |                       |               | 3510                                  | COMPOSITE | (H)                            |      | 8-12LTG (b)(A)  | (.030)                | UA            |

## Certified Products-Alphabetical By Plant

| SGCC#                               | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM)            | TYPE         | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                       | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM)               | TYPE        | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-------------------------------------|-----------|--------------------------------|-----------------|--------------|-----------------------|---------------|-----------------------------------------------------------------------------|-----------|--------------------------------|--------------------|-------------|-----------------------|---------------|
| Cardinal IG ; Spring Green, WI      |           |                                |                 |              |                       |               | Cardinal TG ; Chehalis, WA                                                  |           |                                |                    |             |                       |               |
| 1831                                | COMP+CAN  | 1/8                            |                 | 3.0TTG       |                       | UA            | 3455                                                                        | COMP+CAN  | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 5910                                | COMP+CAN  | 5/32                           |                 | 4.0TTG       |                       | U A           | 3456                                                                        | COMP+CAN  | 5/32                           |                    | 4.0TTG      |                       | UA            |
| 5911                                | COMP+CAN  | 3/16                           |                 | 5.0TTG       |                       | UA            | 3458                                                                        | COMP+CAN  | 3/16                           |                    | 5.0TTG      |                       | UA            |
| 1834                                | COMP+CAN  | 1/4                            |                 | 6.0TTG       |                       | UA            | 3459                                                                        | COMP+CAN  | 1/4                            |                    | 6.0TTG      |                       | UA            |
| 1844                                | COMP+CAN  | 1/8                            |                 | 3.0TPG (s)   |                       | UA            | Cardinal TG ; Tomah, WI                                                     |           |                                |                    |             |                       |               |
| 1845                                | COMP+CAN  | 5/32                           |                 | 4.0TPG (m)   |                       | UA            | 1804                                                                        | COMP+CAN  | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 5912                                | COMP+CAN  | 3/16                           |                 | 5.0TPG (s)   |                       | UA            | 1805                                                                        | COMP+CAN  | 5/32                           |                    | 4.0TTG      |                       | UA            |
| Cardinal IG ; Tomah, WI             |           |                                |                 |              |                       |               | 1806                                                                        | COMP+CAN  | 3/16                           |                    | 5.0TTG      |                       | UA            |
| 2317                                | COMP+CAN  | 1/8                            |                 | 3.0TTG       |                       | UA            | 1807                                                                        | COMP+CAN  | 1/4                            |                    | 6.0TTG      |                       | UA            |
| 2318                                | COMP+CAN  | 5/32                           |                 | 4.0TTG       |                       | UA            | 4881                                                                        | COMP+CAN  | 5/16                           |                    | 8.0TTG (IN) |                       | UA            |
| 2319                                | COMP+CAN  | 3/16                           |                 | 5.0TTG       |                       | UA            | Carey Glass UC ; Nenagh, Co. Tipperary                                      |           |                                |                    |             |                       |               |
| 2320                                | COMP+CAN  | 1/4                            |                 | 6.0TTG       |                       | UA            | 5998                                                                        | COMP+CAN  | 1/4                            |                    | 6.0TTG      |                       | UA            |
| 6069                                | COMP+CAN  | 5/16                           |                 | 8.0TTG       |                       | UA            | 5999                                                                        | COMP+CAN  | 5/16                           |                    | 8.0TTG      |                       | UA            |
| 2321                                | COMP+CAN  | 1/8                            |                 | 3.0TPG (m)   |                       | UA            | 6000                                                                        | COMP+CAN  | 3/8                            |                    | 10.0TTG     |                       | UA            |
| 2322                                | COMP+CAN  | 5/32                           |                 | 4.0TPG (d)   |                       | UA            | 6001                                                                        | COMP+CAN  | (H)                            | 12-16+ LTG (b)(A)  | (.060)      | UA                    |               |
| 2323                                | COMP+CAN  | 3/16                           |                 | 5.0TPG (d)   |                       | UA            | Cat-I Manufacturing, Inc. ; South Elgin, IL                                 |           |                                |                    |             |                       |               |
| Cardinal IG ; Vinton, VA            |           |                                |                 |              |                       |               | 5755                                                                        | COMP+CAN  | 5/32                           |                    | 4.0TTG      | 24x36 A               |               |
| 2919                                | COMP+CAN  | 1/8                            |                 | 3.0TTG       |                       | UA            | Changshu Fardglass Co. Ltd. ; Changshu, Jiangsu                             |           |                                |                    |             |                       |               |
| 2920                                | COMP+CAN  | 5/32                           |                 | 4.0TTG       |                       | UA            | 6684                                                                        | COMP+CAN  | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 2921                                | COMP+CAN  | 3/16                           |                 | 5.0TTG       |                       | UA            | ChangShu MayBo Glass Co., Ltd ; Changshu, Jiangsu, China                    |           |                                |                    |             |                       |               |
| 2922                                | COMP+CAN  | 1/4                            |                 | 6.0TTG       |                       | UA            | 7115                                                                        | COMPOSITE | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 2923                                | COMP+CAN  | 1/8                            |                 | 3.0TPG (s)   |                       | UA            | 7114                                                                        | COMPOSITE | 5/32                           |                    | 4.0TTG      |                       | UA            |
| 2924                                | COMP+CAN  | 5/32                           |                 | 4.0TPG (d)   |                       | UA            | 7116                                                                        | COMPOSITE | 3/16                           |                    | 5.0TTG      |                       | UA            |
| 3619                                | COMP+CAN  | 3/16                           |                 | 5.0TPG (s)   |                       | UA            | Changshu Weier Glass Products Co. Ltd. ; Changshu, Jiangsu, China           |           |                                |                    |             |                       |               |
| Cardinal IG ; Waxahachie, TX        |           |                                |                 |              |                       |               | 5351                                                                        | COMPOSITE | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 2328                                | COMP+CAN  | 1/8                            |                 | 3.0TTG       |                       | UA            | 5352                                                                        | COMPOSITE | 5/32                           |                    | 4.0TTG      |                       | UA            |
| 2329                                | COMP+CAN  | 5/32                           |                 | 4.0TTG       |                       | UA            | 5353                                                                        | COMPOSITE | 3/16                           |                    | 5.0TTG      |                       | UA            |
| 2330                                | COMP+CAN  | 3/16                           |                 | 5.0TTG       |                       | UA            | 5354                                                                        | COMPOSITE | 1/4                            |                    | 6.0TTG      |                       | UA            |
| 2331                                | COMP+CAN  | 1/4                            |                 | 6.0TTG       |                       | UA            | Changshu Xingfu Glass Building Material Co., LTD ; Changshu, Jiangsu, China |           |                                |                    |             |                       |               |
| 2397                                | COMP+CAN  | 1/8                            |                 | 3.0TPG (m)   |                       | UA            | 4657                                                                        | COMP+CAN  | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 4091                                | COMP+CAN  | 5/32                           |                 | 4.0TPG (d)   |                       | UA            | 5151                                                                        | COMP+CAN  | 5/16                           |                    | 8.0TTG      |                       | UA            |
| 2399                                | COMP+CAN  | 3/16                           |                 | 5.0TPG (m)   |                       | UA            | 5152                                                                        | COMP+CAN  | 3/8                            |                    | 10.0TTG     |                       | UA            |
| Cardinal LG ; Amery, WI             |           |                                |                 |              |                       |               | Changshu ZhongXin Building Materials Co., Ltd. ; Changshu, Jiangsu, China   |           |                                |                    |             |                       |               |
| 5193                                | COMP+CAN  | 3/16                           |                 | 5.0TTG       |                       | UA            | 2432                                                                        | COMP+CAN  | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 4841                                | COMP+CAN  | 1/4                            |                 | 6.0TTG       |                       | UA            | 6191                                                                        | COMP+CAN  | 5/32                           |                    | 4.0TTG      |                       | UA            |
| 4842                                | COMP+CAN  | 5/16                           |                 | 8.0TTG       |                       | UA            | 6475                                                                        | COMP+CAN  | 3/16                           |                    | 5.0TTG      |                       | UA            |
| 4843                                | COMP+CAN  | 3/8                            |                 | 10.0TTG      |                       | UA            | 6499                                                                        | COMP+CAN  | 1/4                            |                    | 6.0TTG      |                       | UA            |
| 4844                                | COMP+CAN  | 1/2                            |                 | 12.0TTG      |                       | UA            | 6500                                                                        | COMP+CAN  | 5/16                           |                    | 8.0TTG      |                       | UA            |
| 6484                                | COMP+CAN  | 5/8                            |                 | 16.0TTG (IN) |                       | UA            | 6501                                                                        | COMP+CAN  | 3/8                            |                    | 10.0TTG     |                       | UA            |
| 4350                                | COMP+CAN  | (S)                            | 5-6LTG (ip)(A)  | (.035)       | UA                    |               | 4363                                                                        | COMP+CAN  | (H)                            | 8LTG (b)(A)        | (.090)      | UA                    |               |
| 4120                                | COMP+CAN  | (S)                            | 5LTG (b)(A)     | (.015)(C1)   | UB                    |               | Changshu Zhouxing Glass Co. Ltd. ; Changshu, Jiangsu Province, China        |           |                                |                    |             |                       |               |
| 2976                                | COMP+CAN  | (S)                            | 5-6LTG (b)(A)   | (.030)       | UA                    |               | 4936                                                                        | COMP+CAN  | 1/8                            |                    | 3.0TTG      |                       | UA            |
| 4351                                | COMP+CAN  | (H)                            | 8-12LTG (ip)(A) | (.035)       | UA                    |               | Chicago Tempered Glass, Inc. ; Chicago, IL                                  |           |                                |                    |             |                       |               |
| 2462                                | COMP+CAN  | (H)                            | 8-12LTG (b)(A)  | (.030)       | UA                    |               | 3086                                                                        | COMPOSITE | 5/32                           |                    | 4.0TTG      |                       | UA            |
| Cardinal LG Northeast ; Jessup, PA  |           |                                |                 |              |                       |               | 3087                                                                        | COMPOSITE | 3/16                           |                    | 5.0TTG      |                       | UA            |
| 6617                                | COMP+CAN  | (S)                            | 5-6LTG (ip)(A)  | (.035)       | UA                    |               | 3088                                                                        | COMPOSITE | 1/4                            |                    | 6.0TTG      |                       | UA            |
| 5224                                | COMP+CAN  | (S)                            | 5-6LTG (b)(A)   | (.030)       | UA                    |               | 3089                                                                        | COMPOSITE | 3/8                            |                    | 10.0TTG     |                       | UA            |
| 6618                                | COMP+CAN  | (H)                            | 8-12LTG (ip)(A) | (.035)       | UA                    |               | 3090                                                                        | COMPOSITE | 1/2                            |                    | 12.0TTG     |                       | UA            |
| 5225                                | COMP+CAN  | (H)                            | 8-12LTG (b)(A)  | (.030)       | UA                    |               | 6714                                                                        | COMPOSITE | (H)                            | 12LTG (ip)(A) (IN) | (.035)      | UA                    |               |
| Cardinal Tempering ; Louisville, KY |           |                                |                 |              |                       |               |                                                                             |           |                                |                    |             |                       |               |
| 3871                                | COMPOSITE | 5/32                           |                 | 4.0TTG       |                       | UA            |                                                                             |           |                                |                    |             |                       |               |
| 3872                                | COMPOSITE | 3/16                           |                 | 5.0TTG       |                       | UA            |                                                                             |           |                                |                    |             |                       |               |
| 3873                                | COMPOSITE | 1/4                            |                 | 6.0TTG       |                       | UA            |                                                                             |           |                                |                    |             |                       |               |
| 3874                                | COMPOSITE | 3/8                            |                 | 10.0TTG      |                       | UA            |                                                                             |           |                                |                    |             |                       |               |
| 3875                                | COMPOSITE | 1/2                            |                 | 12.0TTG      |                       | UA            |                                                                             |           |                                |                    |             |                       |               |

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| SGCC#                                                                                   | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                   | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-----------------------------------------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|---------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|
| <b>Chongqing SYP Engineering Glass Co., Ltd. ; Chongqing, China</b>                     |           |                                |      |                   |                       |               | <b>Contour Industries, Inc. ; Surgoinville, TN</b>      |           |                                |      |                   |                       |               |
| 6810                                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 1680                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            |
| 6811                                                                                    | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            | 4285                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 6812                                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 1678                                                    | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 6813                                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 1677                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 6814                                                                                    | COMPOSITE | (H)                            |      | 12-16+LTG (b)(A)  | (.030)                | UA            | 4701                                                    | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 6815                                                                                    | COMPOSITE | (H)                            |      | 12-16+LTG (ip)(A) | (.060)                | UA            | 4702                                                    | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| <b>Classy Glass Specialties Co., Ltd ; Dongguan, Guangdong</b>                          |           |                                |      |                   |                       |               | 4703                                                    | COMP+CAN  | 1/8                            |      | 3.0TPG (s)        |                       | UA            |
| 5159                                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 4704                                                    | COMP+CAN  | 5/32                           |      | 4.0TPG (IN)(s)    |                       | UA            |
| 5160                                                                                    | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            | 4705                                                    | COMP+CAN  | 3/16                           |      | 5.0TPG (s)        |                       | UA            |
| 5161                                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | <b>Contract Glass ; Billerica, MA</b>                   |           |                                |      |                   |                       |               |
| 5162                                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 4970                                                    | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |
| 5163                                                                                    | COMPOSITE | *                              |      | 15.0TTG (4)       |                       | UA            | 4971                                                    | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            |
| 5164                                                                                    | COMPOSITE | 3/4                            |      | 19.0TTG           |                       | UA            | 4972                                                    | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5169                                                                                    | COMPOSITE | (H)                            |      | 12LTG (b)(A)      | (.030)                | UA            | 4973                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| <b>Cleer Vision Tempered Glass ; Elkhart, IN</b>                                        |           |                                |      |                   |                       |               | 4974                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 4546                                                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            | 4975                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 4547                                                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            | <b>Contractors Wardrobe ; Valencia, CA</b>              |           |                                |      |                   |                       |               |
| <b>Clinton Glass Company ; Knoxville, TN</b>                                            |           |                                |      |                   |                       |               | 3464                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            |
| 5606                                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 3465                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 5607                                                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 3466                                                    | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5608                                                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 3467                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| <b>Colorkote CT, LLC ; Stratford, CT</b>                                                |           |                                |      |                   |                       |               | 3468                                                    | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 7095                                                                                    | COMP+CAN  | (H)                            |      | 10-12LTG (ev)(A)  | (.060)                | UA            | 3469                                                    | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| <b>Columbia Commercial Bldg Prod. ; Rockwall, TX</b>                                    |           |                                |      |                   |                       |               | 3470                                                    | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| 4921                                                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            | 3472                                                    | COMP+CAN  | 3/4                            |      | 19.0TTG           |                       | UA            |
| 5615                                                                                    | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            | 3473                                                    | COMP+CAN  | 1/8                            |      | 3.0TPG (m)        |                       | UA            |
| 5616                                                                                    | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            | 3474                                                    | COMP+CAN  | 5/32                           |      | 4.0TPG (d)        |                       | UA            |
| <b>Comercial Dialum SA ; Santiago, Chile</b>                                            |           |                                |      |                   |                       |               | 3475                                                    | COMP+CAN  | 3/16                           |      | 5.0TPG (m)        |                       | UA            |
| 5938                                                                                    | COMPOSITE | (H)                            |      | 12LTG (ip)(A)     | (.035)                | UA            | 3476                                                    | COMP+CAN  | 1/4                            |      | 6.0TPG (m)        |                       | UA            |
| <b>Commercial Insulating Glass Co. ; Cumberland City, TN</b>                            |           |                                |      |                   |                       |               | 3477                                                    | COMP+CAN  | 3/8                            |      | 10.0TPG (s)       |                       | UA            |
| 3806                                                                                    | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            | <b>Coral Industries Glass Division ; Tuscaloosa, AL</b> |           |                                |      |                   |                       |               |
| 3807                                                                                    | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            | 1910                                                    | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 3808                                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 1911                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| <b>Commercial Insulating Glass Co. ; Sarasota, FL</b>                                   |           |                                |      |                   |                       |               | 2144                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 1889                                                                                    | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | 30x76 A       | 2145                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 1890                                                                                    | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | 30x76 A       | 2644                                                    | COMPOSITE | 3/4                            |      | 19.0TTG           |                       | UA            |
| 1891                                                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | 30x76 A       | 1964                                                    | COMPOSITE | 3/16                           |      | 5.0TPG (d)        |                       | UA            |
| <b>Compagnie de Portes Énergétique EDC (Energy Door Company) ; L'Assomption, Quebec</b> |           |                                |      |                   |                       |               | 2944                                                    | COMPOSITE | 1/4                            |      | 6.0TPG (d)        |                       | UA            |
| 7192                                                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            | 2945                                                    | COMPOSITE | 3/8                            |      | 10.0TPG (d)       |                       | UA            |
| <b>Consolidated Glass Corp. ; New Castle, PA</b>                                        |           |                                |      |                   |                       |               | <b>Cristacurva ; Houston, TX</b>                        |           |                                |      |                   |                       |               |
| 1998                                                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            | 6728                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 1999                                                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            | 6729                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 2005                                                                                    | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            | 6730                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 2002                                                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            | 6731                                                    | COMPOSITE | (H)                            |      | 12LTG (ip)(A)     | (.035)                | UA            |
| 3635                                                                                    | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            | 6732                                                    | COMPOSITE | (H)                            |      | 12LTG (b)(A)      | (.030)                | UA            |
| 2003                                                                                    | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            | <b>Cristec Glass S.L. ; Balaguer, Lleida</b>            |           |                                |      |                   |                       |               |
| 2004                                                                                    | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            | 5695                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 2355                                                                                    | COMP+CAN  | 5/32                           |      | 4.0TPG (m)        |                       | UA            | 6840                                                    | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            |
| 2354                                                                                    | COMP+CAN  | 3/16                           |      | 5.0TPG (m)        |                       | UA            | 5697                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 4714                                                                                    | COMP+CAN  | 1/4                            |      | 6.0TPG (m)        |                       | UA            | 5698                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 4785                                                                                    | COMP+CAN  | 3/8                            |      | 10.0TPG (s)       |                       | UA            | 5878                                                    | COMPOSITE | (H)                            |      | 12-16+LTG (ip)(A) | (.035)                | UA            |
|                                                                                         |           |                                |      |                   |                       |               | 5699                                                    | COMPOSITE | (H)                            |      | 12-16+LTG (b)(A)  | (.015)                | UA            |
|                                                                                         |           |                                |      |                   |                       |               | <b>Crystal Art Glass Inc. ; Brooklyn, NY</b>            |           |                                |      |                   |                       |               |
|                                                                                         |           |                                |      |                   |                       |               | 6951                                                    | COMP+CAN  | (H)                            |      | 16+LTG (ev)(A)    | (.015)                | UA            |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                                         | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE              | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                         | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS |
|-----------------------------------------------------------------------------------------------|-----------|--------------------------|------|-------------------|--------------------|------------|-------------------------------------------------------------------------------|-----------|--------------------------|------|------------------|--------------------|------------|
| <b>Crystal Tempering, Inc. ; Debary, FL</b>                                                   |           |                          |      |                   |                    |            | <b>DDG Glass Manufacturing SDN BHD ; Johor, Malaysia</b>                      |           |                          |      |                  |                    |            |
| 6209                                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG           |                    | UA         | 5621                                                                          | COMP+CAN  | 5/32                     |      | 4.0 TTG          |                    | UA         |
| 6210                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG           |                    | UA         | 5622                                                                          | COMP+CAN  | 3/16                     |      | 5.0 TTG          |                    | UA         |
| 6211                                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG          |                    | UA         | 5623                                                                          | COMP+CAN  | 1/4                      |      | 6.0 TTG          |                    | UA         |
| 6212                                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG          |                    | UA         | 5624                                                                          | COMP+CAN  | 5/16                     |      | 8.0 TTG          |                    | UA         |
| 6214                                                                                          | COMPOSITE | 3/16                     |      | 5.0 TPG (m)       |                    | UA         | 5625                                                                          | COMP+CAN  | 3/8                      |      | 10.0 TTG         |                    | UA         |
| 6215                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TPG (s)       |                    | UA         | 5626                                                                          | COMP+CAN  | 1/2                      |      | 12.0 TTG         |                    | UA         |
| 6216                                                                                          | COMPOSITE | 3/8                      |      | 10.0 TPG (s)      |                    | UA         | 5627                                                                          | COMP+CAN  | *                        |      | 15.0 TTG (4)     |                    | UA         |
| <b>CS ECO Glass ; Negeri Sembilan, Malaysia</b>                                               |           |                          |      |                   |                    |            | 5628                                                                          | COMP+CAN  | *                        |      | 19.0 TTG (4)     |                    | UA         |
| 6867                                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG           |                    | UA         | <b>Denver Glass Interiors, Inc. ; Englewood, CO</b>                           |           |                          |      |                  |                    |            |
| 6868                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG           |                    | UA         | 3865                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG          |                    | UA         |
| 6869                                                                                          | COMPOSITE | 5/16                     |      | 8.0 TTG           |                    | UA         | 3866                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG          |                    | UA         |
| 6870                                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG          |                    | UA         | 3867                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG         |                    | UA         |
| 6871                                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG          |                    | UA         | 3868                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG         |                    | UA         |
| 6872                                                                                          | COMPOSITE | (H)                      |      | 10-16+LTG (b)(A)  | (.030)             | UA         | 4507                                                                          | COMPOSITE | 1/4                      |      | 6.0 TPG (m)      |                    | UA         |
| <b>Curved Glass Creations, LLC ; Pompano Beach, FL</b>                                        |           |                          |      |                   |                    |            | 4508                                                                          | COMPOSITE | 3/8                      |      | 10.0 TPG (s)     |                    | UA         |
| 7113                                                                                          | COMPOSITE | (H)                      |      | 10-16+LTG (ev)(A) | (.060)             | UA         | 6902                                                                          | COMPOSITE | (H)                      |      | 8-16+LTG (ip)(A) | (.060)             | UA         |
| <b>Custom Glass Products Inc. ; Weston, WI</b>                                                |           |                          |      |                   |                    |            | 6916                                                                          | COMPOSITE | (H)                      |      | 8-16+LTG (b)(A)  | (.030)             | UA         |
| 4002                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG           |                    | UA         | <b>Deqing Sanxing Plastic Chemical Co. Ltd. ; Huzhou, Zhejiang, China</b>     |           |                          |      |                  |                    |            |
| 6671                                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG          |                    | UA         | 4055                                                                          | COMPOSITE | 1/8                      |      | 3.0 TTG          |                    | UA         |
| <b>Custom Glass Solutions Millbury Corp. ; Millbury, OH</b>                                   |           |                          |      |                   |                    |            | 4056                                                                          | COMPOSITE | 5/32                     |      | 4.0 TTG          |                    | UA         |
| 6353                                                                                          | COMPOSITE | 1/8                      |      | 3.0 TTG (IN)      |                    | UA         | 4057                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG          |                    | UA         |
| 1575                                                                                          | COMPOSITE | 5/32                     |      | 4.0 TTG           |                    | UA         | 4146                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG          |                    | UA         |
| 1576                                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG           |                    | UA         | 4147                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG         |                    | UA         |
| 1577                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG           |                    | UA         | <b>Deyao Glass Products (Zhongshan) Co., LTD ; Zhongshan City, Guang dong</b> |           |                          |      |                  |                    |            |
| 6354                                                                                          | COMPOSITE | 5/16                     |      | 8.0 TTG (IN)      |                    | UA         | 6965                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG          |                    | UA         |
| 6355                                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG (IN)     |                    | UA         | 6966                                                                          | COMPOSITE | 5/16                     |      | 8.0 TTG          |                    | UA         |
| <b>D3 Glass, LLC ; Fort Myers, FL</b>                                                         |           |                          |      |                   |                    |            | 6967                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG         |                    | UA         |
| 4795                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG           |                    | UA         | 6968                                                                          | COMPOSITE | 1/4                      |      | 6.0 TBG          |                    | UA         |
| 4792                                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG          |                    | UA         | 6969                                                                          | COMPOSITE | 5/16                     |      | 8.0 TBG          |                    | UA         |
| 4793                                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG          |                    | UA         | <b>Dillmeier Enterprise, Inc. ; Van Buren, AR</b>                             |           |                          |      |                  |                    |            |
| 6512                                                                                          | COMPOSITE | 3/8                      |      | 10.0 TPG (s)      |                    | UA         | 4838                                                                          | COMPOSITE | 1/8                      |      | 3.0 TTG          |                    | UA         |
| 7034                                                                                          | COMPOSITE | (H)                      |      | 12LTG (ev)(A)     | (.030)             | UA         | 3912                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG          |                    | UA         |
| 6961                                                                                          | COMPOSITE | (H)                      |      | 12LTG (ip)(A)     | (.035)             | UA         | 3913                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG          |                    | UA         |
| <b>Dalian Dongsong Tempered Glass Products Co., Ltd. ; Dalian, Liaoning, China</b>            |           |                          |      |                   |                    |            | 4839                                                                          | COMPOSITE | 5/16                     |      | 8.0 TTG          |                    | UA         |
| 6459                                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG           |                    | UA         | 3914                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG         |                    | UA         |
| <b>Dalian Huaying Glass Limited Liability Co. ; Liaoning, China</b>                           |           |                          |      |                   |                    |            | 3915                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG         |                    | UA         |
| 5260                                                                                          | COMP+CAN  | 1/8                      |      | 3.0 TTG           |                    | UA         | 3916                                                                          | COMPOSITE | 5/8                      |      | 16.0 TTG         |                    | UA         |
| 6639                                                                                          | COMP+CAN  | 5/32                     |      | 4.0 TTG           |                    | UA         | 3917                                                                          | COMPOSITE | 3/4                      |      | 19.0 TTG         |                    | UA         |
| 5261                                                                                          | COMP+CAN  | 3/16                     |      | 5.0 TTG           |                    | UA         | <b>Dlubak Corporation ; Blairsville, PA</b>                                   |           |                          |      |                  |                    |            |
| <b>Dalian Yihai Safety Glass Science &amp; Technology Co., Ltd. ; Dalian, Liaoning, China</b> |           |                          |      |                   |                    |            | 3017                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG          |                    | UA         |
| 6929                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG           |                    | UA         | 3018                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG         |                    | UA         |
| 6930                                                                                          | COMPOSITE | 5/16                     |      | 8.0 TTG           |                    | UA         | 3019                                                                          | COMPOSITE | 3/4                      |      | 19.0 TTG         |                    | UA         |
| <b>Dallas Flat Glass ; Carrollton, TX</b>                                                     |           |                          |      |                   |                    |            | 5965                                                                          | COMPOSITE | 1/4                      |      | 6.0 TBG          |                    | UA         |
| 4790                                                                                          | COMPOSITE | 1/8                      |      | 3.0 TTG           |                    | UA         | 6234                                                                          | COMPOSITE | (H)                      |      | 12LTG (b)(T)     | (.060)             | UA         |
| 4763                                                                                          | COMPOSITE | 3/16                     |      | 5.0 TTG           |                    | UA         | 7016                                                                          | COMPOSITE | (H)                      |      | 12LTG (ip)(T)    | (.060)             | UA         |
| 3701                                                                                          | COMPOSITE | 1/4                      |      | 6.0 TTG           |                    | UA         | <b>Dolphin Glass Specialists, LLC ; Hialeah, FL</b>                           |           |                          |      |                  |                    |            |
| 4566                                                                                          | COMPOSITE | 3/8                      |      | 10.0 TTG          |                    | UA         | 4729                                                                          | COMPOSITE | (H)                      |      | 12LTG (b)(A)     | (.030)             | UA         |
| 4567                                                                                          | COMPOSITE | 1/2                      |      | 12.0 TTG          |                    | UA         |                                                                               |           |                          |      |                  |                    |            |

## Certified Products-Alphabetical By Plant

| SGCC#                                                                          | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE              | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                        | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS |
|--------------------------------------------------------------------------------|-----------|--------------------------|------|-------------------|--------------------|------------|------------------------------------------------------------------------------|-----------|--------------------------|------|------------------|--------------------|------------|
| <b>Dongguan CSG Architectural Glass Co., Ltd. ; Dongguan, Guangdong, China</b> |           |                          |      |                   |                    |            | <b>Edge Tempering ; Hialeah, FL</b>                                          |           |                          |      |                  |                    |            |
| 3932                                                                           | COMP+CAN  | 5/32                     |      | 4.0TTG            |                    | UA         | 7280                                                                         | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         |
| 3933                                                                           | COMP+CAN  | 3/16                     |      | 5.0TTG            |                    | UA         | 6297                                                                         | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         |
| 3934                                                                           | COMP+CAN  | 1/4                      |      | 6.0TTG            |                    | UA         | 6298                                                                         | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         |
| 3935                                                                           | COMP+CAN  | 5/16                     |      | 8.0TTG            |                    | UA         | 6299                                                                         | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         |
| 3936                                                                           | COMP+CAN  | 3/8                      |      | 10.0TTG           |                    | UA         | <b>EFCO Corporation ; Monett, MO</b>                                         |           |                          |      |                  |                    |            |
| 3937                                                                           | COMP+CAN  | 1/2                      |      | 12.0TTG           |                    | UA         | 4121                                                                         | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         |
| 3938                                                                           | COMP+CAN  | *                        |      | 15.0TTG (4)       |                    | UA         | 1901                                                                         | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         |
| 3939                                                                           | COMP+CAN  | 3/4                      |      | 19.0TTG           |                    | UA         | 1902                                                                         | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         |
| 4167                                                                           | COMP+CAN  | (H)                      |      | 8-12LTG (b)(A)    | (.030)             | UA         | 4154                                                                         | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         |
| <b>Dongguan Dongfa Glass Product Co., Ltd ; Dongguan, Guangdong, China</b>     |           |                          |      |                   |                    |            | 2143                                                                         | COMPOSITE | 3/16                     |      | 5.0TPG (s)       |                    | UA         |
| 4132                                                                           | COMP+CAN  | 5/16                     |      | 8.0TTG            |                    | UA         | <b>EFI ; Kernersville, NC</b>                                                |           |                          |      |                  |                    |            |
| 4125                                                                           | COMP+CAN  | 3/8                      |      | 10.0TTG           |                    | UA         | 5014                                                                         | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         |
| 4126                                                                           | COMP+CAN  | 1/2                      |      | 12.0TTG           |                    | UA         | 5208                                                                         | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         |
| 4123                                                                           | COMP+CAN  | (H)                      |      | 12LTG (b)(A)      | (.030)             | UA         | 5026                                                                         | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         |
| 4124                                                                           | COMP+CAN  | (H)                      |      | 16+LTG (b)(A)     | (.030)             | UA         | 5210                                                                         | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         |
| <b>Downey Glass Industries, LLC ; Pompano Beach, FL</b>                        |           |                          |      |                   |                    |            | 5211                                                                         | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         |
| 2661                                                                           | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         | <b>Engineered Glass Products, L.L.C. ; Chicago, IL</b>                       |           |                          |      |                  |                    |            |
| 2662                                                                           | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         | 4388                                                                         | COMPOSITE | 1/8                      |      | 3.0TTG           | 26x72 A            |            |
| 5554                                                                           | COMPOSITE | 5/16                     |      | 8.0TTG            |                    | UA         | 2589                                                                         | COMPOSITE | 5/32                     |      | 4.0TTG           | 26x72 A            |            |
| 2663                                                                           | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         | <b>Fairis C.A. ; Ambato, Tungurahua, Ecuador</b>                             |           |                          |      |                  |                    |            |
| 2664                                                                           | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         | 4425                                                                         | COMPOSITE | 5/32                     |      | 4.0TTG           |                    | UA         |
| 2665                                                                           | COMPOSITE | 3/4                      |      | 19.0TTG           |                    | UA         | 4426                                                                         | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         |
| 3487                                                                           | COMPOSITE | 3/16                     |      | 5.0TPG (s)        |                    | UA         | 4427                                                                         | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         |
| 4626                                                                           | COMPOSITE | 3/8                      |      | 10.0TPG (s)       |                    | UA         | 4428                                                                         | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         |
| 5121                                                                           | COMPOSITE | (S)                      |      | 6LTG (ip)(A)      | (.035)             | UA         | 4429                                                                         | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         |
| 5122                                                                           | COMPOSITE | (H)                      |      | 10-16+LTG (ip)(A) | (.035)             | UA         | 4722                                                                         | COMPOSITE | (S)                      |      | 6LTG (b)(A)      | (.030)             | UA         |
| <b>Eagle Valley Glass ; Gypsum, CO</b>                                         |           |                          |      |                   |                    |            | 4430                                                                         | COMPOSITE | (H)                      |      | 10-12LTG (b)(A)  | (.030)             | UA         |
| 6672                                                                           | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         | <b>Flat Glass Distributors ; Jacksonville, FL</b>                            |           |                          |      |                  |                    |            |
| 6673                                                                           | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         | 3822                                                                         | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         |
| 6674                                                                           | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         | 3823                                                                         | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         |
| 6675                                                                           | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         | 3824                                                                         | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         |
| <b>Echols Glass and Mirror, Inc. ; Buford, GA</b>                              |           |                          |      |                   |                    |            | 3825                                                                         | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         |
| 6314                                                                           | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         | 3826                                                                         | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         |
| 6315                                                                           | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         | 3828                                                                         | COMPOSITE | 1/8                      |      | 3.0TPG (m)       |                    | UA         |
| 6316                                                                           | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         | 3830                                                                         | COMPOSITE | 3/16                     |      | 5.0TPG (m)       |                    | UA         |
| 6317                                                                           | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         | 3831                                                                         | COMPOSITE | 1/4                      |      | 6.0TPG (s)       |                    | UA         |
| 6318                                                                           | COMPOSITE | 3/16                     |      | 5.0TPG (m)        |                    | UA         | 4638                                                                         | COMPOSITE | 3/8                      |      | 10.0TPG (s)      |                    | UA         |
| 6319                                                                           | COMPOSITE | 3/8                      |      | 10.0TPG (s)       |                    | UA         | <b>Flat Glass Group Co., Ltd. ; Jiaxing, Zhejiang, China</b>                 |           |                          |      |                  |                    |            |
| <b>Eckelt Glas GmbH ; Steyr, Austria</b>                                       |           |                          |      |                   |                    |            | 5521                                                                         | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         |
| 2850                                                                           | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         | 5522                                                                         | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         |
| 2851                                                                           | COMPOSITE | 5/16                     |      | 8.0TTG            |                    | UA         | 5523                                                                         | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         |
| 2852                                                                           | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         | 5524                                                                         | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         |
| 2853                                                                           | COMPOSITE | *                        |      | 12.0TTG (4)       |                    | UA         | 5525                                                                         | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         |
| 2854                                                                           | COMPOSITE | *                        |      | 15.0TTG (4)       |                    | UA         | 6898                                                                         | COMP+CAN  | 5/32                     |      | 4.0TPG (m)       |                    | UA         |
| 2855                                                                           | COMPOSITE | 3/4                      |      | 19.0TTG           |                    | UA         | 5526                                                                         | COMP+CAN  | (H)                      |      | 10-16+LTG (b)(A) | (.030)             | UA         |
| 6901                                                                           | COMPOSITE | (H)                      |      | 8, 12LTG (ip)(A)  | (.035)             | UA         | <b>Foshan Gaoming Yaqi Toughened Glass ; Foshan City, Guangdong Province</b> |           |                          |      |                  |                    |            |
| 6825                                                                           | COMPOSITE | (H)                      |      | 8, 12LTG (b)(A)   | (.030)             | UA         | 6119                                                                         | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         |
| 7267                                                                           | COMPOSITE | (H)                      |      | 16+LTG (b)(A)     | (.060)             | UA         | 6120                                                                         | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         |
| 7266                                                                           | COMPOSITE | (H)                      |      | 16+LTG (ip)(A)    | (.060)             | UA         | 6121                                                                         | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         |
| <b>ECO Glass ; Medley, FI</b>                                                  |           |                          |      |                   |                    |            | 6122                                                                         | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         |
| 7189                                                                           | COMP+CAN  | (H)                      |      | 8-12LTG (b)(A)    | (.090)             | UA         | 6123                                                                         | COMP+CAN  | 1/4                      |      | 6.0TBG           |                    | UA         |
|                                                                                |           |                          |      |                   |                    |            | 6124                                                                         | COMP+CAN  | 5/16                     |      | 8.0TBG           |                    | UA         |

## Certified Products-Alphabetical By Plant

| SGCC#                                                                      | TEST STD  | INCHES (MM)       | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                           | TEST STD  | INCHES (MM)       | TYPE              | MAX SIZE CERTIFIED | ANSI CLASS |
|----------------------------------------------------------------------------|-----------|-------------------|------------------|--------------------|------------|---------------------------------------------------------------------------------|-----------|-------------------|-------------------|--------------------|------------|
|                                                                            |           | (THICKNESS CLASS) |                  |                    |            |                                                                                 |           | (THICKNESS CLASS) |                   |                    |            |
| <b>Foshan Super Glass Ind. Co; Ltd. ; Foshan, Guangdong, China</b>         |           |                   |                  |                    |            | <b>Garibaldi Glass Ind. Inc. ; Burnaby, BC</b>                                  |           |                   |                   |                    |            |
| 7020                                                                       | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 5124                                                                            | COMP+CAN  | 3/16              | 5.0TTG            |                    | UA         |
| 7021                                                                       | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 4419                                                                            | COMP+CAN  | 1/4               | 6.0TTG            |                    | UA         |
| <b>Foshan YC Glass Co., Ltd. ; Guangdong, China</b>                        |           |                   |                  |                    |            | 5219                                                                            | COMP+CAN  | 5/16              | 8.0TTG            |                    | UA         |
| 6791                                                                       | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         | 4420                                                                            | COMP+CAN  | 3/8               | 10.0TTG           |                    | UA         |
| 6817                                                                       | COMPOSITE | 5/32              | 4.0TTG           |                    | UA         | 4421                                                                            | COMP+CAN  | 1/2               | 12.0TTG           |                    | UA         |
| 6818                                                                       | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 5125                                                                            | COMP+CAN  | *                 | 15.0TTG (4)       |                    | UA         |
| 6820                                                                       | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 4422                                                                            | COMP+CAN  | 3/4               | 19.0TTG           |                    | UA         |
| 6822                                                                       | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         | 6767                                                                            | COMP+CAN  | (S)               | 6LTG (ip)(A)      | (.035)             | UA         |
| 6824                                                                       | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 6766                                                                            | COMP+CAN  | (H)               | 8-16+LTG (b)(A)   | (.030)             | UA         |
| 6819                                                                       | COMPOSITE | 3/16              | 5.0TBG           |                    | UA         | 6768                                                                            | COMP+CAN  | (H)               | 8-16+LTG (ip)(A)  | (.035)             | UA         |
| 6821                                                                       | COMPOSITE | 1/4               | 6.0TBG           |                    | UA         | <b>GELI Glas Energieeffizienz Lichtdesign Ilmenau GmbH ; Ilmenau, Thuringen</b> |           |                   |                   |                    |            |
| 6823                                                                       | COMPOSITE | 5/16              | 8.0TBG           |                    | UA         | 6738                                                                            | COMPOSITE | 5/32              | 4.0TTG            |                    | UA         |
| <b>Foshan ZhongKang YiMeiJia Glass Co. Ltd. ; Foshan, Guangdong, China</b> |           |                   |                  |                    |            | 6739                                                                            | COMPOSITE | 1/4               | 6.0TTG            |                    | UA         |
| 6948                                                                       | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | <b>General Glass ; Vancouver, WA</b>                                            |           |                   |                   |                    |            |
| 6949                                                                       | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         | 4031                                                                            | COMPOSITE | 1/8               | 3.0TTG            |                    | UA         |
| 6950                                                                       | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 4032                                                                            | COMPOSITE | 5/32              | 4.0TTG            |                    | UA         |
| <b>Fountain Glass Inc. ; Lenexa, KS</b>                                    |           |                   |                  |                    |            | 4033                                                                            | COMPOSITE | 3/16              | 5.0TTG            |                    | UA         |
| 7105                                                                       | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 4034                                                                            | COMPOSITE | 1/4               | 6.0TTG            |                    | UA         |
| 7101                                                                       | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 5751                                                                            | COMPOSITE | 1/2               | 12.0TTG           |                    | UA         |
| 7106                                                                       | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 5750                                                                            | COMPOSITE | 1/8               | 3.0TPG (s)        |                    | UA         |
| 7104                                                                       | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         | 5748                                                                            | COMPOSITE | 3/16              | 5.0TPG (m)        |                    | UA         |
| 7102                                                                       | COMPOSITE | 3/16              | 5.0TPG (m)       |                    | UA         | <b>GGI Glass Distributors Corp. ; Secaucus, NJ</b>                              |           |                   |                   |                    |            |
| 7100                                                                       | COMPOSITE | 1/4               | 6.0TPG (s)       |                    | UA         | 2928                                                                            | COMPOSITE | 5/32              | 4.0TTG (IN)       |                    | UA         |
| 7103                                                                       | COMPOSITE | 3/8               | 10.0TPG (s)      |                    | UA         | 2226                                                                            | COMPOSITE | 3/16              | 5.0TTG            |                    | UA         |
| <b>Fujian Chengda Glass Co., Ltd ; Longhai, Zhangzhou</b>                  |           |                   |                  |                    |            | 2227                                                                            | COMPOSITE | 1/4               | 6.0TTG            |                    | UA         |
| 7182                                                                       | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         | 4248                                                                            | COMPOSITE | 5/16              | 8.0TTG            |                    | UA         |
| 7183                                                                       | COMPOSITE | 5/32              | 4.0TTG           |                    | UA         | 2282                                                                            | COMPOSITE | 3/8               | 10.0TTG           |                    | UA         |
| 7184                                                                       | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 2228                                                                            | COMPOSITE | 1/2               | 12.0TTG           |                    | UA         |
| 7185                                                                       | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 3857                                                                            | COMPOSITE | 5/8               | 16.0TTG           |                    | UA         |
| 7186                                                                       | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         | 3858                                                                            | COMPOSITE | 3/4               | 19.0TTG           |                    | UA         |
| 7187                                                                       | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 4774                                                                            | COMPOSITE | 1                 | 25.0TTG (IN)      |                    | UA         |
| 7188                                                                       | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         | 3970                                                                            | COMPOSITE | 5/32              | 4.0TPG (IN)(s)    |                    | UA         |
| <b>Fujian Xihe Sanitary Ware Technology Co., Ltd ; Nan an Fujian China</b> |           |                   |                  |                    |            | 3971                                                                            | COMPOSITE | 3/16              | 5.0TPG (m)        |                    | UA         |
| 5216                                                                       | COMPOSITE | 5/32              | 4.0TTG           |                    | UA         | 3972                                                                            | COMPOSITE | 1/4               | 6.0TPG (m)        |                    | UA         |
| 5090                                                                       | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 3973                                                                            | COMPOSITE | 3/8               | 10.0TPG (s)       |                    | UA         |
| 5091                                                                       | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 3974                                                                            | COMPOSITE | 1/2               | 12.0TPG (IN)(s)   |                    | UA         |
| 5092                                                                       | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         | <b>GLASPRO ; Santa Fe Springs, CA</b>                                           |           |                   |                   |                    |            |
| 6882                                                                       | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 6047                                                                            | COMP+CAN  | 1/4               | 6.0TTG            |                    | UA         |
| 5217                                                                       | COMPOSITE | 5/32              | 4.0TPG (s)       |                    | UA         | 6048                                                                            | COMP+CAN  | 1/2               | 12.0TTG           |                    | UA         |
| 5218                                                                       | COMPOSITE | 1/4               | 6.0TPG (s)       |                    | UA         | 6050                                                                            | COMP+CAN  | (H)               | 8-16+LTG (b)(A)   | (.030)             | UA         |
| 7026                                                                       | COMPOSITE | 3/16              | 5.0TBG           |                    | UA         | <b>Glass and Mirror Craft ; Wixom, MI</b>                                       |           |                   |                   |                    |            |
| 7027                                                                       | COMPOSITE | 1/4               | 6.0TBG           |                    | UA         | 4198                                                                            | COMP+CAN  | 1/8               | 3.0TTG            |                    | UA         |
| <b>Galaxy Glass &amp; Stone ; Fairfield, NJ</b>                            |           |                   |                  |                    |            | 5116                                                                            | COMP+CAN  | 5/32              | 4.0TTG            |                    | UA         |
| 3661                                                                       | COMP+CAN  | (H)               | 8-16+LTG (lu)(A) | (.060)             | UA         | 4199                                                                            | COMP+CAN  | 3/16              | 5.0TTG            |                    | UA         |
| 5752                                                                       | COMP+CAN  | (H)               | 8-16+LTG (ev)(A) | (.060)             | UA         | 4200                                                                            | COMP+CAN  | 1/4               | 6.0TTG            |                    | UA         |
|                                                                            |           |                   |                  |                    |            | 5598                                                                            | COMP+CAN  | 3/8               | 10.0TTG           |                    | UA         |
|                                                                            |           |                   |                  |                    |            | 4202                                                                            | COMP+CAN  | 1/2               | 12.0TTG           |                    | UA         |
|                                                                            |           |                   |                  |                    |            | 4203                                                                            | COMP+CAN  | 5/8               | 16.0TTG           |                    | UA         |
|                                                                            |           |                   |                  |                    |            | 4204                                                                            | COMP+CAN  | 3/4               | 19.0TTG           |                    | UA         |
|                                                                            |           |                   |                  |                    |            | 4924                                                                            | COMP+CAN  | (H)               | 12-16+LTG (ip)(A) | (.035)             | UA         |

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| SGCC#                                                           | TEST STD  | INCHES (MM)       | TYPE            | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                            | TEST STD  | INCHES (MM)       | TYPE            | MAX SIZE CERTIFIED | ANSI CLASS |
|-----------------------------------------------------------------|-----------|-------------------|-----------------|--------------------|------------|------------------------------------------------------------------|-----------|-------------------|-----------------|--------------------|------------|
|                                                                 |           | (THICKNESS CLASS) |                 |                    |            |                                                                  |           | (THICKNESS CLASS) |                 |                    |            |
| <b>Glass Depot Inc. ; Opa Locka, FL</b>                         |           |                   |                 |                    |            | <b>GlassFab Tempering Services, Inc. Mariani Ct. ; Tracy, CA</b> |           |                   |                 |                    |            |
| 7180                                                            | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         | 5584                                                             | COMPOSITE | 1/8               | 3.0TTG          |                    | UA         |
| 7181                                                            | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         | 4889                                                             | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
| 6633                                                            | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         | 4891                                                             | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| 6634                                                            | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         | 7023                                                             | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
| <b>Glass Design of Miami, Inc. ; Medley, FL</b>                 |           |                   |                 |                    |            | 4890                                                             | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |
| 7145                                                            | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         | 4893                                                             | COMPOSITE | 3/4               | 19.0TTG         |                    | UA         |
| 7144                                                            | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         | 4894                                                             | COMPOSITE | 1/8               | 3.0TPG (s)      |                    | UA         |
| 7143                                                            | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         | 5128                                                             | COMPOSITE | 5/32              | 4.0TPG (d)      |                    | UA         |
| <b>Glass Enterprises, Inc. ; Bensalem, PA</b>                   |           |                   |                 |                    |            | 4895                                                             | COMPOSITE | 3/16              | 5.0TPG (m)      |                    | UA         |
| 4628                                                            | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         | 4896                                                             | COMPOSITE | 1/4               | 6.0TPG (m)      |                    | UA         |
| 4629                                                            | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         | 4897                                                             | COMPOSITE | 3/8               | 10.0TPG (s)     |                    | UA         |
| 6597                                                            | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         | 6408                                                             | COMPOSITE | (S)               | 6LTG (b)(A)     | (.030)             | UA         |
| 6598                                                            | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         | <b>Glasswerks GWA- West ; South Gate CA</b>                      |           |                   |                 |                    |            |
| <b>Glass Global Distributors LLC ; North Miami, FL</b>          |           |                   |                 |                    |            | 5480                                                             | COMPOSITE | 5/32              | 4.0TTG          |                    | UA         |
| 6795                                                            | COMPOSITE | 5/32              | 4.0TTG          |                    | UA         | 5481                                                             | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
| 6796                                                            | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         | 5482                                                             | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| 6797                                                            | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         | <b>Glasswerks GWLA- East ; South Gate, CA</b>                    |           |                   |                 |                    |            |
| 6798                                                            | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         | 4804                                                             | COMPOSITE | 1/8               | 3.0TTG          |                    | UA         |
| 6799                                                            | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         | 5882                                                             | COMPOSITE | 5/32              | 4.0TTG          |                    | UA         |
| <b>Glassbel Baltic ; Klaipeda, Lithuania</b>                    |           |                   |                 |                    |            | 4805                                                             | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
| 6704                                                            | COMPOSITE | 5/32              | 4.0TTG          |                    | UA         | 4806                                                             | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| 6705                                                            | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         | 5883                                                             | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
| 6706                                                            | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         | 5884                                                             | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |
| 6707                                                            | COMPOSITE | 5/16              | 8.0TTG          |                    | UA         | 6921                                                             | COMPOSITE | 5/8               | 16.0TTG         |                    | UA         |
| 6708                                                            | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         | 5885                                                             | COMPOSITE | 3/4               | 19.0TTG         |                    | UA         |
| 6709                                                            | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         | 7074                                                             | COMPOSITE | (S)               | 6LTG (b)(A)     | (.030)             | UA         |
| 6710                                                            | COMPOSITE | (H)               | 8-16+LTG (b)(A) | (.030)             | UA         | 6057                                                             | COMPOSITE | (H)               | 8-12LTG (ip)(A) | (.035)             | UA         |
| <b>GlassecViracon ; Nazaré Paulista, São Paulo</b>              |           |                   |                 |                    |            | 5886                                                             | COMPOSITE | (H)               | 8-16+LTG (b)(A) | (.060)             | UA         |
| 6991                                                            | COMP+CAN  | 5/32              | 4.0TTG          |                    | UA         | <b>Glasswerks GWT ; Temecula, CA</b>                             |           |                   |                 |                    |            |
| 6992                                                            | COMP+CAN  | 3/16              | 5.0TTG          |                    | UA         | 6095                                                             | COMP+CAN  | 3/16              | 5.0TTG          |                    | UA         |
| 6993                                                            | COMP+CAN  | 1/4               | 6.0TTG          |                    | UA         | 6096                                                             | COMP+CAN  | 1/4               | 6.0TTG          |                    | UA         |
| 6994                                                            | COMP+CAN  | 5/16              | 8.0TTG          |                    | UA         | 6097                                                             | COMP+CAN  | 3/8               | 10.0TTG         |                    | UA         |
| 6995                                                            | COMP+CAN  | 3/8               | 10.0TTG         |                    | UA         | 6098                                                             | COMP+CAN  | 1/2               | 12.0TTG         |                    | UA         |
| 6996                                                            | COMP+CAN  | 1/2               | 12.0TTG         |                    | UA         | <b>Glaz-Tech Industries, Inc. ; Albuquerque, NM</b>              |           |                   |                 |                    |            |
| 6997                                                            | COMP+CAN  | (H)               | 8-16+LTG (b)(A) | (.030)             | UA         | 6589                                                             | COMPOSITE | 1/8               | 3.0TTG          |                    | UA         |
| 7084                                                            | COMP+CAN  | (H)               | 12LTG (ip)(A)   | (.060)             | UA         | 6590                                                             | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
| 6998                                                            | COMP+CAN  | (H)               | 16+LTG (ip)(A)  | (.035)             | UA         | 6594                                                             | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| <b>GlassFab Tempering Services Inc. Holly Drive ; Tracy, CA</b> |           |                   |                 |                    |            | 6591                                                             | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
| 6118                                                            | COMPOSITE | 1/8               | 3.0TTG          |                    | UA         | 6592                                                             | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |
| 5986                                                            | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         | 6595                                                             | COMPOSITE | 3/16              | 5.0TPG (m)      |                    | UA         |
| 7024                                                            | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         | 6593                                                             | COMPOSITE | 3/8               | 10.0TPG (s)     |                    | UA         |
| 5988                                                            | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         | <b>Glaz-Tech Industries, Inc. ; Boise, ID</b>                    |           |                   |                 |                    |            |
| 5989                                                            | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         | 6607                                                             | COMPOSITE | 1/8               | 3.0TTG          |                    | UA         |
| 5990                                                            | COMPOSITE | 3/4               | 19.0TTG         |                    | UA         | 6608                                                             | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
|                                                                 |           |                   |                 |                    |            | 6609                                                             | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
|                                                                 |           |                   |                 |                    |            | 6610                                                             | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
|                                                                 |           |                   |                 |                    |            | 6611                                                             | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |
|                                                                 |           |                   |                 |                    |            | 6713                                                             | COMPOSITE | 3/16              | 5.0TPG (m)      |                    | UA         |
|                                                                 |           |                   |                 |                    |            | 6612                                                             | COMPOSITE | 3/8               | 10.0TPG (s)     |                    | UA         |



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| SGCC#                                                | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE         | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                                                       | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|------------------------------------------------------|-----------|--------------------------------|------|--------------|-----------------------|---------------|-------------------------------------------------------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|
| <b>Glaz-Tech Industries, Inc. ; Englewood, CO</b>    |           |                                |      |              |                       |               | <b>GnT Glass Co., Ltd. ; Dongguan, Guangdong, China</b>                                                     |           |                                |      |                  |                       |               |
| 2185                                                 | COMPOSITE | 1/8                            |      | 3.0TTG       |                       | UA            | 6540                                                                                                        | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 2186                                                 | COMPOSITE | 3/16                           |      | 5.0TTG       |                       | UA            | 5788                                                                                                        | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 2187                                                 | COMPOSITE | 1/4                            |      | 6.0TTG       |                       | UA            | 5789                                                                                                        | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 5143                                                 | COMPOSITE | 3/8                            |      | 10.0TTG      |                       | UA            | 5790                                                                                                        | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 2189                                                 | COMPOSITE | 1/2                            |      | 12.0TTG      |                       | UA            | 5791                                                                                                        | COMP+CAN  | (H)                            |      | 10-16+LTG (b)(A) | (.060)                | UA            |
| 2193                                                 | COMPOSITE | 3/16                           |      | 5.0TPG (m)   |                       | UA            | 7131                                                                                                        | COMP+CAN  | (H)                            |      | 10LTG (ip)(A)    | (.060)                | UA            |
| <b>Glaz-Tech Industries, Inc. ; Phoenix, AZ</b>      |           |                                |      |              |                       |               | <b>Goldray Industries Ltd. ; Calgary, AB Canada</b>                                                         |           |                                |      |                  |                       |               |
| 6582                                                 | COMPOSITE | 1/8                            |      | 3.0TTG       |                       | UA            | 2445                                                                                                        | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| 6583                                                 | COMPOSITE | 3/16                           |      | 5.0TTG       |                       | UA            | 2446                                                                                                        | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 6584                                                 | COMPOSITE | 1/4                            |      | 6.0TTG       |                       | UA            | 2447                                                                                                        | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 6585                                                 | COMPOSITE | 3/8                            |      | 10.0TTG      |                       | UA            | 2448                                                                                                        | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 6586                                                 | COMPOSITE | 1/2                            |      | 12.0TTG      |                       | UA            | 2449                                                                                                        | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 6587                                                 | COMPOSITE | 3/16                           |      | 5.0TPG (m)   |                       | UA            | <b>Griffin Glass &amp; Metal Werks, Inc. ; Elmhurst, IL</b>                                                 |           |                                |      |                  |                       |               |
| 6588                                                 | COMPOSITE | 3/8                            |      | 10.0TPG (s)  |                       | UA            | 7146                                                                                                        | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| <b>Glaz-Tech Industries, Inc. ; Santa Teresa, NM</b> |           |                                |      |              |                       |               | 7147                                                                                                        | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 6599                                                 | COMPOSITE | 1/8                            |      | 3.0TTG       |                       | UA            | 7201                                                                                                        | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 6600                                                 | COMPOSITE | 3/16                           |      | 5.0TTG       |                       | UA            | 7202                                                                                                        | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 6601                                                 | COMPOSITE | 1/4                            |      | 6.0TTG       |                       | UA            | 7148                                                                                                        | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 6602                                                 | COMPOSITE | 3/8                            |      | 10.0TTG      |                       | UA            | 7284                                                                                                        | COMP+CAN  | 3/4                            |      | 19.0TTG          |                       | UA            |
| 6603                                                 | COMPOSITE | 1/2                            |      | 12.0TTG      |                       | UA            | <b>Grupo Vidrios el Castillo ; Escobedo, Nuevo Leon, Mexico</b>                                             |           |                                |      |                  |                       |               |
| 6604                                                 | COMPOSITE | 1/8                            |      | 3.0TPG (s)   |                       | UA            | 5840                                                                                                        | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 6605                                                 | COMPOSITE | 3/16                           |      | 5.0TPG (m)   |                       | UA            | 5781                                                                                                        | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 6606                                                 | COMPOSITE | 3/8                            |      | 10.0TPG (s)  |                       | UA            | 6083                                                                                                        | COMP+CAN  | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            |
| <b>Glaz-Tech Industries, Inc. ; Tucson, AZ</b>       |           |                                |      |              |                       |               | 6058                                                                                                        | COMP+CAN  | (S)                            |      | 6LTG (b)(A)      | (.015)                | UB            |
| 6574                                                 | COMPOSITE | 1/8                            |      | 3.0TTG       |                       | UA            | <b>Guangdong Golden Glass Technologies ; Shantou, Guangdong, China</b>                                      |           |                                |      |                  |                       |               |
| 6575                                                 | COMPOSITE | 3/16                           |      | 5.0TTG       |                       | UA            | 3941                                                                                                        | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 6576                                                 | COMPOSITE | 1/4                            |      | 6.0TTG       |                       | UA            | 3942                                                                                                        | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 6577                                                 | COMPOSITE | 3/8                            |      | 10.0TTG      |                       | UA            | 3943                                                                                                        | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 6578                                                 | COMPOSITE | 1/2                            |      | 12.0TTG      |                       | UA            | 3944                                                                                                        | COMP+CAN  | *                              |      | 12.0TTG (4)      |                       | UA            |
| 6579                                                 | COMPOSITE | 1/8                            |      | 3.0TPG (s)   |                       | UA            | 3945                                                                                                        | COMP+CAN  | *                              |      | 15.0TTG (4)      |                       | UA            |
| 6580                                                 | COMPOSITE | 3/16                           |      | 5.0TPG (m)   |                       | UA            | 3946                                                                                                        | COMP+CAN  | 3/4                            |      | 19.0TTG          |                       | UA            |
| 6581                                                 | COMPOSITE | 3/8                            |      | 10.0TPG (s)  |                       | UA            | 3947                                                                                                        | COMP+CAN  | (H)                            |      | 10-16+LTG (b)(A) | (.030)                | UA            |
| <b>Glenny Glass Co. ; Milford, OH</b>                |           |                                |      |              |                       |               | 4723                                                                                                        | COMP+CAN  | (H)                            |      | 16+LTG (ip)(A)   | (.060)                | UA            |
| 3841                                                 | COMPOSITE | 1/8                            |      | 3.0TTG       |                       | UA            | <b>Guangdong South Star Glass Limited ; Dongguan City, Guangdong Province</b>                               |           |                                |      |                  |                       |               |
| 3843                                                 | COMPOSITE | 3/16                           |      | 5.0TTG       |                       | UA            | 6808                                                                                                        | COMPOSITE | (H)                            |      | 12LTG (b)(A)     | (.060)                | UA            |
| 3844                                                 | COMPOSITE | 1/4                            |      | 6.0TTG       |                       | UA            | <b>Guangdong Yingxing Special Glass Technology Development Co., Ltd ; Dongguan City, Guangdong Province</b> |           |                                |      |                  |                       |               |
| 3845                                                 | COMPOSITE | 3/8                            |      | 10.0TTG      |                       | UA            | 7096                                                                                                        | COMPOSITE | (H)                            |      | 16+LTG (b)(T)    | (.060)                | UA            |
| 3846                                                 | COMPOSITE | 1/2                            |      | 12.0TTG      |                       | UA            | <b>Guardian Glass, LLC ; Carleton, MI</b>                                                                   |           |                                |      |                  |                       |               |
| <b>Global Security Glazing ; Selma, AL</b>           |           |                                |      |              |                       |               | 933                                                                                                         | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            |
| 4764                                                 | COMP+CAN  | 1/8                            |      | 3.0TTG       |                       | UA            | 934                                                                                                         | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| 4765                                                 | COMP+CAN  | 3/16                           |      | 5.0TTG       |                       | UA            | 631                                                                                                         | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 4766                                                 | COMP+CAN  | 1/4                            |      | 6.0TTG       |                       | UA            | 131                                                                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 4767                                                 | COMP+CAN  | 3/8                            |      | 10.0TTG      |                       | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| 4768                                                 | COMP+CAN  | 1/2                            |      | 12.0TTG      |                       | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| 4769                                                 | COMP+CAN  | (S)                            |      | 6LTG (b)(A)  | (.030)                | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| 6040                                                 | COMP+CAN  | (H)                            |      | 10LTG (b)(A) | (.150)                | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| 4770                                                 | COMP+CAN  | (H)                            |      | 12LTG (b)(A) | (.060)                | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| <b>Global Tempering, LLC ; Hialeah, FL</b>           |           |                                |      |              |                       |               |                                                                                                             |           |                                |      |                  |                       |               |
| 7329                                                 | COMP+CAN  | 3/16                           |      | 5.0TTG       |                       | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| 7330                                                 | COMP+CAN  | 1/4                            |      | 6.0TTG       |                       | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| 7331                                                 | COMP+CAN  | 3/8                            |      | 10.0TTG      |                       | UA            |                                                                                                             |           |                                |      |                  |                       |               |
| 7332                                                 | COMP+CAN  | 1/2                            |      | 12.0TTG      |                       | UA            |                                                                                                             |           |                                |      |                  |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC#                                      | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE        | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                             | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE                            | MAX SIZE CERTIFIED | ANSI CLASS |
|--------------------------------------------|-----------|--------------------------|------|-------------|--------------------|------------|-------------------------------------------------------------------|-----------|--------------------------|------|---------------------------------|--------------------|------------|
| <b>Guardian Glass, LLC ; Corsicana, TX</b> |           |                          |      |             |                    |            | <b>Guardian IG LLC ; Sun Prairie, WI</b>                          |           |                          |      |                                 |                    |            |
| 1248                                       | COMP+CAN  | 1/8                      |      | 3.0TTG      |                    | UA         | 5640                                                              | COMP+CAN  | 1/8                      |      | 3.0TTG                          |                    | UA         |
| 1249                                       | COMP+CAN  | 5/32                     |      | 4.0TTG      |                    | UA         | 5641                                                              | COMP+CAN  | 5/32                     |      | 4.0TTG                          |                    | UA         |
| 1250                                       | COMP+CAN  | 3/16                     |      | 5.0TTG      |                    | UA         | 5642                                                              | COMP+CAN  | 3/16                     |      | 5.0TTG                          |                    | UA         |
| 1251                                       | COMP+CAN  | 1/4                      |      | 6.0TTG      |                    | UA         | 5643                                                              | COMP+CAN  | 1/4                      |      | 6.0TTG                          |                    | UA         |
| 1826                                       | COMP+CAN  | 5/16                     |      | 8.0TTG      |                    | UA         | 6570                                                              | COMP+CAN  | 5/16                     |      | 8.0TTG                          |                    | UA         |
| 1253                                       | COMP+CAN  | 3/8                      |      | 10.0TTG     |                    | UA         | 5644                                                              | COMP+CAN  | 1/8                      |      | 3.0TPG (d)                      |                    | UA         |
| 1803                                       | COMP+CAN  | 1/2                      |      | 12.0TTG     |                    | UA         | 5645                                                              | COMP+CAN  | 5/32                     |      | 4.0TPG (d)                      |                    | UA         |
| 2458                                       | COMP+CAN  | 1/8                      |      | 3.0TPG (m)  |                    | UA         | 5646                                                              | COMP+CAN  | 3/16                     |      | 5.0TPG (d)                      |                    | UA         |
| 2459                                       | COMP+CAN  | 5/32                     |      | 4.0TPG (m)  |                    | UA         | 5647                                                              | COMP+CAN  | 1/4                      |      | 6.0TPG (d)                      |                    | UA         |
| 2460                                       | COMP+CAN  | 3/16                     |      | 5.0TPG (m)  |                    | UA         | <b>Guardian Industries Corp. ; Galax, VA</b>                      |           |                          |      |                                 |                    |            |
| 5142                                       | COMP+CAN  | 1/4                      |      | 6.0TPG (m)  |                    | UA         | 4604                                                              | COMP+CAN  | 1/8                      |      | 3.0TTG                          |                    | UA         |
| 5133                                       | COMP+CAN  | 3/8                      |      | 10.0TPG (m) |                    | UA         | 4605                                                              | COMP+CAN  | 5/32                     |      | 4.0TTG                          |                    | UA         |
| <b>Guardian Glass, LLC ; DeWitt, IA</b>    |           |                          |      |             |                    |            | 4606                                                              | COMP+CAN  | 3/16                     |      | 5.0TTG                          |                    | UA         |
| 2020                                       | COMP+CAN  | 1/8                      |      | 3.0TTG      |                    | UA         | 4607                                                              | COMP+CAN  | 1/4                      |      | 6.0TTG                          |                    | UA         |
| 2021                                       | COMP+CAN  | 5/32                     |      | 4.0TTG      |                    | UA         | 4608                                                              | COMP+CAN  | 5/16                     |      | 8.0TTG                          |                    | UA         |
| 2022                                       | COMP+CAN  | 3/16                     |      | 5.0TTG      |                    | UA         | 4609                                                              | COMP+CAN  | 3/8                      |      | 10.0TTG                         |                    | UA         |
| 2023                                       | COMP+CAN  | 1/4                      |      | 6.0TTG      |                    | UA         | 4610                                                              | COMP+CAN  | 1/2                      |      | 12.0TTG                         |                    | UA         |
| 2024                                       | COMP+CAN  | 5/16                     |      | 8.0TTG      |                    | UA         | 4611                                                              | COMP+CAN  | 3/4                      |      | 19.0TTG (IN)                    |                    | UA         |
| 2545                                       | COMP+CAN  | 3/8                      |      | 10.0TTG     |                    | UA         | 4612                                                              | COMP+CAN  | 1/8                      |      | 3.0TPG (s)                      |                    | UA         |
| 2649                                       | COMP+CAN  | 1/2                      |      | 12.0TTG     |                    | UA         | 4613                                                              | COMP+CAN  | 3/16                     |      | 5.0TPG (m)                      |                    | UA         |
| <b>Guardian Glass, LLC ; Geneva, NY</b>    |           |                          |      |             |                    |            | 4627                                                              | COMP+CAN  | 3/8                      |      | 10.0TPG (s)                     |                    | UA         |
| 2259                                       | COMP+CAN  | 1/8                      |      | 3.0TTG      |                    | UA         | 4633                                                              | COMP+CAN  | (S)                      |      | 6LTG (b)(A) (.030)              |                    | UA         |
| 2260                                       | COMP+CAN  | 5/32                     |      | 4.0TTG      |                    | UA         | 4800                                                              | COMP+CAN  | (S)                      |      | 6LTG (b)(p)(el)(6)(A) (.075)    |                    | UA         |
| 2261                                       | COMP+CAN  | 3/16                     |      | 5.0TTG      |                    | UA         | 4658                                                              | COMP+CAN  | (H)                      |      | 8LTG (b)(A) (.030)              |                    | UA         |
| 2262                                       | COMP+CAN  | 1/4                      |      | 6.0TTG      |                    | UA         | 4829                                                              | COMP+CAN  | (H)                      |      | 8-10LTG (b)(p)(el)(6)(A) (.075) |                    | UA         |
| 3672                                       | COMP+CAN  | 5/16                     |      | 8.0TTG      |                    | UA         | <b>Guardian VIG, LLC ; Millbury, OH</b>                           |           |                          |      |                                 |                    |            |
| 2519                                       | COMP+CAN  | 3/8                      |      | 10.0TTG     |                    | UA         | 6724                                                              | COMPOSITE | 5/16                     |      | 8.0VIGT                         |                    | UA         |
| 3673                                       | COMP+CAN  | 1/2                      |      | 12.0TTG     |                    | UA         | 7090                                                              | COMP+CAN  | 1/8                      |      | 3.0TTG                          |                    | UA         |
| <b>Guardian Glass, LLC ; Kingsburg, CA</b> |           |                          |      |             |                    |            | 7091                                                              | COMP+CAN  | 5/32                     |      | 4.0TTG                          |                    | UA         |
| 968                                        | COMP+CAN  | 1/8                      |      | 3.0TTG      |                    | UA         | 7092                                                              | COMP+CAN  | 3/16                     |      | 5.0TTG                          |                    | UA         |
| 969                                        | COMP+CAN  | 5/32                     |      | 4.0TTG      |                    | UA         | 7093                                                              | COMP+CAN  | 1/4                      |      | 6.0TTG                          |                    | UA         |
| 970                                        | COMP+CAN  | 3/16                     |      | 5.0TTG      |                    | UA         | <b>Gulf Glass Industries, LLC ; Sharjah, United Arab Emirates</b> |           |                          |      |                                 |                    |            |
| 971                                        | COMP+CAN  | 1/4                      |      | 6.0TTG      |                    | UA         | 4796                                                              | COMPOSITE | 1/4                      |      | 6.0TTG                          |                    | UA         |
| 1303                                       | COMP+CAN  | 1/8                      |      | 3.0TPG (d)  |                    | UA         | 6326                                                              | COMPOSITE | 5/16                     |      | 8.0TTG                          |                    | UA         |
| 1301                                       | COMP+CAN  | 5/32                     |      | 4.0TPG (m)  |                    | UA         | 4797                                                              | COMPOSITE | 3/8                      |      | 10.0TTG                         |                    | UA         |
| 1304                                       | COMP+CAN  | 3/16                     |      | 5.0TPG (m)  |                    | UA         | 4798                                                              | COMPOSITE | *                        |      | 12.0TTG (7)                     |                    | UA         |
| 1882                                       | COMP+CAN  | 1/4                      |      | 6.0TPG (m)  |                    | UA         | 4799                                                              | COMPOSITE | (H)                      |      | 8LTG (b)(A) (.030)              |                    | UA         |
| <b>Guardian Glass, LLC ; Richburg, SC</b>  |           |                          |      |             |                    |            | <b>Huachuang Longfei Glass Co., Ltd. ; Heibei China</b>           |           |                          |      |                                 |                    |            |
| 1630                                       | COMPOSITE | 1/8                      |      | 3.0TTG      |                    | UA         | 6041                                                              | COMPOSITE | 1/8                      |      | 3.0TTG                          |                    | UA         |
| 1631                                       | COMPOSITE | 5/32                     |      | 4.0TTG      |                    | UA         | <b>Huahui Glass (China) Co., LD ; Quanzhou City, China</b>        |           |                          |      |                                 |                    |            |
| 1632                                       | COMPOSITE | 3/16                     |      | 5.0TTG      |                    | UA         | 5843                                                              | COMPOSITE | 5/32                     |      | 4.0TTG                          |                    | UA         |
| 1633                                       | COMPOSITE | 1/4                      |      | 6.0TTG      |                    | UA         | <b>Industrial Tempering Glass ; Brooklyn, NY</b>                  |           |                          |      |                                 |                    |            |
| 2382                                       | COMPOSITE | 5/16                     |      | 8.0TTG      |                    | UA         | 6984                                                              | COMPOSITE | 3/16                     |      | 5.0TTG                          |                    | UA         |
| 1634                                       | COMPOSITE | 3/8                      |      | 10.0TTG     |                    | UA         | 6985                                                              | COMPOSITE | 1/4                      |      | 6.0TTG                          |                    | UA         |
| 1683                                       | COMPOSITE | 1/8                      |      | 3.0TPG (m)  |                    | UA         | 3418                                                              | COMPOSITE | 3/8                      |      | 10.0TTG                         |                    | UA         |
| 1635                                       | COMPOSITE | 5/32                     |      | 4.0TPG (m)  |                    | UA         | 3419                                                              | COMPOSITE | 1/2                      |      | 12.0TTG                         |                    | UA         |
| 1865                                       | COMPOSITE | 3/16                     |      | 5.0TPG (m)  |                    | UA         | 4240                                                              | COMPOSITE | 3/4                      |      | 19.0TTG                         |                    | UA         |
| 3002                                       | COMPOSITE | 1/4                      |      | 6.0TPG (m)  |                    | UA         |                                                                   |           |                          |      |                                 |                    |            |
| 3003                                       | COMPOSITE | 3/8                      |      | 10.0TPG (m) |                    | UA         |                                                                   |           |                          |      |                                 |                    |            |

## Certified Products-Alphabetical By Plant

| SGCC#                                                 | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                 | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE               | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|-----------------------------------------------------------------------|-----------|--------------------------------|------|--------------------|-----------------------|---------------|
| <b>Industries Vanier Inc. ; Anjou, QC</b>             |           |                                |      |                  |                       |               | <b>Interglass Corp ; Miami, FL</b>                                    |           |                                |      |                    |                       |               |
| 6952                                                  | COMP+CAN  | 1/8                            |      | 3.0 TTG          |                       | UA            | 5032                                                                  | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | UA            |
| 6953                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | UA            | 5033                                                                  | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | UA            |
| 6954                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | UA            | 5034                                                                  | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | UA            |
| 6955                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | UA            | 5035                                                                  | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | UA            |
| 6956                                                  | COMP+CAN  | 5/16                           |      | 8.0 TTG          |                       | UA            | 5036                                                                  | COMPOSITE | 3/4                            |      | 19.0 TTG           |                       | UA            |
| 6957                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | UA            | 5027                                                                  | COMPOSITE | 3/8                            |      | 10.0 TPG (s)       |                       | UA            |
| 6958                                                  | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | UA            | <b>Intex Glass (Xiamen) Co., Ltd. ; Xiamen, Fujian, China</b>         |           |                                |      |                    |                       |               |
| 6959                                                  | COMP+CAN  | 5/8                            |      | 16.0 TTG         |                       | UA            | 2572                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TTG            |                       | UA            |
| 6960                                                  | COMP+CAN  | 3/4                            |      | 19.0 TTG         |                       | UA            | 2573                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG            |                       | UA            |
| <b>Inkan Ltd ; Brampton, ON</b>                       |           |                                |      |                  |                       |               | 2574                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | UA            |
| 5135                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | UA            | 2575                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | UA            |
| 5136                                                  | COMP+CAN  | 5/16                           |      | 8.0 TTG          |                       | UA            | 3025                                                                  | COMP+CAN  | 5/16                           |      | 8.0 TTG            |                       | UA            |
| 5137                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | UA            | 2576                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | UA            |
| 5138                                                  | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | UA            | 2577                                                                  | COMP+CAN  | 1/2                            |      | 12.0 TTG           |                       | UA            |
| 5139                                                  | COMP+CAN  | 5/8                            |      | 16.0 TTG         |                       | UA            | 6131                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TPG (m)        |                       | UA            |
| 5140                                                  | COMP+CAN  | 3/4                            |      | 19.0 TTG         |                       | UA            | 6132                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TPG (s)        |                       | UA            |
| <b>Innovative Glass of America, Inc. ; Dallas, NC</b> |           |                                |      |                  |                       |               | 6133                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TPG (s)        |                       | UA            |
| 3859                                                  | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | UA            | <b>Intigral ; Walton Hills, OH</b>                                    |           |                                |      |                    |                       |               |
| 3860                                                  | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | UA            | 2050                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TTG            |                       | UA            |
| 3861                                                  | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | UA            | 2051                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG            |                       | UA            |
| 3862                                                  | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | UA            | 2052                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | UA            |
| 3863                                                  | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | UA            | 2055                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | UA            |
| 3864                                                  | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | UA            | 3631                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TPG (m)        |                       | UA            |
| <b>Innovative Glass Products LLC ; Carrollton, TX</b> |           |                                |      |                  |                       |               | 4588                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TPG (m)        |                       | UA            |
| 7062                                                  | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | UA            | <b>J&amp;C International Ltd. ; Zhejiang, China</b>                   |           |                                |      |                    |                       |               |
| 7063                                                  | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | UA            | 6676                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TTG            |                       | UA            |
| 7064                                                  | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | UA            | <b>J.C. Moag Corporation ; Jeffersonville, IN</b>                     |           |                                |      |                    |                       |               |
| 7065                                                  | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | UA            | 7140                                                                  | COMPOSITE | (H)                            |      | 12 LTG (ev)(A)     | (.030)                | UA            |
| <b>Insulite Glass Co., Inc. ; Olathe, KS</b>          |           |                                |      |                  |                       |               | <b>Jiangmen SYP Engineering Glass Co, Ltd. ; Guangdong, China</b>     |           |                                |      |                    |                       |               |
| 4473                                                  | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | UA            | 4303                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG            |                       | UA            |
| 4474                                                  | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | UA            | 4304                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | UA            |
| 3714                                                  | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | UA            | 4305                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | UA            |
| 3715                                                  | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | UA            | 4306                                                                  | COMP+CAN  | 5/16                           |      | 8.0 TTG            |                       | UA            |
| 3716                                                  | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | UA            | 4307                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | UA            |
| 3717                                                  | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | UA            | 4308                                                                  | COMP+CAN  | 1/2                            |      | 12.0 TTG           |                       | UA            |
| 3718                                                  | COMPOSITE | (S)                            |      | 6 LTG (b)(A)     | (.030)                | UA            | 4309                                                                  | COMP+CAN  | *                              |      | 15.0 TTG (4)       |                       | UA            |
| 3720                                                  | COMPOSITE | (H)                            |      | 8 LTG (b)(A)     | (.060)                | UA            | 4310                                                                  | COMP+CAN  | 3/4                            |      | 19.0 TTG           |                       | UA            |
| 5513                                                  | COMPOSITE | (H)                            |      | 10-12 LTG (b)(A) | (.030)                | UA            | 5052                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TBG            |                       | UA            |
| <b>Integral Seal Mfg. Inc. ; Concord, ON Canada</b>   |           |                                |      |                  |                       |               | 5053                                                                  | COMP+CAN  | 5/16                           |      | 8.0 TBG            |                       | UA            |
| 4682                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | UA            | 5054                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TBG           |                       | UA            |
| 4683                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | UA            | 5055                                                                  | COMP+CAN  | 1/2                            |      | 12.0 TBG           |                       | UA            |
| 4684                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | UA            | 4312                                                                  | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A)   | (.030)                | UA            |
| 7245                                                  | COMP+CAN  | (H)                            |      | 10 LTG (ev)(A)   | (.060)                | UA            | 4575                                                                  | COMP+CAN  | (H)                            |      | 10-16+ LTG (ip)(A) | (.060)                | UA            |
| 7246                                                  | COMP+CAN  | (H)                            |      | 12 LTG (ev)(A)   | (.075)                | UA            | <b>Jiangyin Haitong Glass Technology CO., LTD ; Jiangyin, Jiangsu</b> |           |                                |      |                    |                       |               |
| <b>Integrity Glass Tempering, LLC. ; Venice , FL</b>  |           |                                |      |                  |                       |               | 7163                                                                  | COMPOSITE | 1/4                            |      | 6.0 TPG (s)        |                       | UA            |
| 6666                                                  | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | UA            |                                                                       |           |                                |      |                    |                       |               |
| 6635                                                  | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | UA            |                                                                       |           |                                |      |                    |                       |               |
| 6636                                                  | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | UA            |                                                                       |           |                                |      |                    |                       |               |
| 6637                                                  | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | UA            |                                                                       |           |                                |      |                    |                       |               |
| 7097                                                  | COMPOSITE | 3/16                           |      | 5.0 TPG (m)      |                       | UA            |                                                                       |           |                                |      |                    |                       |               |
| <b>Inter Fonction Ltee ; Sherbrooke, Quebec</b>       |           |                                |      |                  |                       |               |                                                                       |           |                                |      |                    |                       |               |
| 7235                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | UA            |                                                                       |           |                                |      |                    |                       |               |
| 7236                                                  | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | UA            |                                                                       |           |                                |      |                    |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC# |  | TEST STD | INCHES (MM) | TYPE | MAX SIZE CERTIFIED | ANSI CLASS | SGCC# |  | TEST STD | INCHES (MM) | TYPE | MAX SIZE CERTIFIED | ANSI CLASS |  |
|-------|--|----------|-------------|------|--------------------|------------|-------|--|----------|-------------|------|--------------------|------------|--|
|       |  |          |             |      |                    |            |       |  |          |             |      |                    |            |  |
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**Certified Products-Alphabetical By Plant**

| SGCC#                                              | TEST STD  | INCHES (MM)       | TYPE        | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                | TEST STD  | INCHES (MM)       | TYPE            | MAX SIZE CERTIFIED | ANSI CLASS |
|----------------------------------------------------|-----------|-------------------|-------------|--------------------|------------|------------------------------------------------------|-----------|-------------------|-----------------|--------------------|------------|
|                                                    |           | (THICKNESS CLASS) |             |                    |            |                                                      |           | (THICKNESS CLASS) |                 |                    |            |
| <b>M&amp;M Tempering Inc. ; Loganville, GA</b>     |           |                   |             |                    |            | <b>McGrory Glass ; Paulsboro, NJ</b>                 |           |                   |                 |                    |            |
| 4280                                               | COMPOSITE | 1/4               | 6.0TTG      |                    | UA         | 4925                                                 | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
| 4281                                               | COMPOSITE | 3/8               | 10.0TTG     |                    | UA         | 4813                                                 | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| 4282                                               | COMPOSITE | 1/2               | 12.0TTG     |                    | UA         | 4814                                                 | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
| <b>M3 Glass Technologies ; Irving, TX</b>          |           |                   |             |                    |            | 4815                                                 | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |
| 5945                                               | COMPOSITE | 1/4               | 6.0TTG      |                    | UA         | 4816                                                 | COMPOSITE | 5/8               | 16.0TTG         |                    | UA         |
| 5946                                               | COMPOSITE | 3/8               | 10.0TTG     |                    | UA         | 4817                                                 | COMPOSITE | 3/4               | 19.0TTG         |                    | UA         |
| 5947                                               | COMPOSITE | 1/2               | 12.0TTG     |                    | UA         | 4818                                                 | COMPOSITE | 1/4               | 6.0TPG (m)      |                    | UA         |
| <b>Manko Window Systems ; Aurora, CO</b>           |           |                   |             |                    |            | 4819                                                 | COMPOSITE | 3/8               | 10.0TPG (s)     |                    | UA         |
| 6275                                               | COMPOSITE | 1/8               | 3.0TTG      |                    | UA         | 4820                                                 | COMPOSITE | 1/2               | 12.0TPG (IN)(s) |                    | UA         |
| 6276                                               | COMPOSITE | 5/32              | 4.0TTG      |                    | UA         | 5263                                                 | COMPOSITE | (H)               | 8-12LTG (b)(A)  | (.030)             | UA         |
| 6277                                               | COMPOSITE | 3/16              | 5.0TTG      |                    | UA         | <b>Mercer Glass Fab LLC ; Trenton, NJ</b>            |           |                   |                 |                    |            |
| 6278                                               | COMPOSITE | 1/4               | 6.0TTG      |                    | UA         | 4254                                                 | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| 6279                                               | COMPOSITE | 3/8               | 10.0TTG     |                    | UA         | 4530                                                 | COMPOSITE | 5/16              | 8.0TTG          |                    | UA         |
| 6280                                               | COMPOSITE | 1/2               | 12.0TTG     |                    | UA         | 4255                                                 | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
| <b>Manko Window Systems- KS ; Manhattan, KS</b>    |           |                   |             |                    |            | 4256                                                 | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |
| 6826                                               | COMPOSITE | 5/32              | 4.0TTG      |                    | UA         | 4257                                                 | COMPOSITE | 1/4               | 6.0TPG (m)      |                    | UA         |
| 6827                                               | COMPOSITE | 3/16              | 5.0TTG      |                    | UA         | 4258                                                 | COMPOSITE | 3/8               | 10.0TPG (m)     |                    | UA         |
| 6828                                               | COMPOSITE | 1/4               | 6.0TTG      |                    | UA         | <b>Mid-American Glass ; Davenport, IA</b>            |           |                   |                 |                    |            |
| 6829                                               | COMPOSITE | 3/8               | 10.0TTG     |                    | UA         | 7227                                                 | COMPOSITE | 1/8               | 3.0TTG          |                    | UA         |
| 6830                                               | COMPOSITE | 1/2               | 12.0TTG     |                    | UA         | 7228                                                 | COMPOSITE | 5/32              | 4.0TTG          |                    | UA         |
| 6831                                               | COMPOSITE | 5/8               | 16.0TTG     |                    | UA         | 7229                                                 | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
| 6832                                               | COMPOSITE | 3/4               | 19.0TTG     |                    | UA         | 7230                                                 | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| 6833                                               | COMPOSITE | 1/8               | 3.0TPG (s)  |                    | UA         | 7231                                                 | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
| 6834                                               | COMPOSITE | 3/16              | 5.0TPG (m)  |                    | UA         | 7232                                                 | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |
| 6835                                               | COMPOSITE | 1/4               | 6.0TPG (m)  |                    | UA         | <b>Midwest Glass Fabricators Inc. ; Highland, MI</b> |           |                   |                 |                    |            |
| 6836                                               | COMPOSITE | 3/8               | 10.0TPG (m) |                    | UA         | 6027                                                 | COMP+CAN  | 1/8               | 3.0TTG          |                    | UA         |
| <b>Manko Windows ; Des Moines, IA</b>              |           |                   |             |                    |            | 6028                                                 | COMP+CAN  | 5/32              | 4.0TTG          |                    | UA         |
| 6286                                               | COMPOSITE | 1/8               | 3.0TTG      |                    | UA         | 6029                                                 | COMP+CAN  | 3/16              | 5.0TTG          |                    | UA         |
| 6287                                               | COMPOSITE | 5/32              | 4.0TTG      |                    | UA         | 6030                                                 | COMP+CAN  | 1/4               | 6.0TTG          |                    | UA         |
| 6288                                               | COMPOSITE | 3/16              | 5.0TTG      |                    | UA         | 6031                                                 | COMP+CAN  | 3/8               | 10.0TTG         |                    | UA         |
| 6289                                               | COMPOSITE | 1/4               | 6.0TTG      |                    | UA         | 6032                                                 | COMP+CAN  | 1/2               | 12.0TTG         |                    | UA         |
| 6290                                               | COMPOSITE | 3/8               | 10.0TTG     |                    | UA         | 6033                                                 | COMP+CAN  | 5/8               | 16.0TTG         |                    | UA         |
| 6291                                               | COMPOSITE | 1/2               | 12.0TTG     |                    | UA         | 6034                                                 | COMP+CAN  | 3/4               | 19.0TTG         |                    | UA         |
| 6432                                               | COMPOSITE | 5/8               | 16.0TTG     |                    | UA         | 6035                                                 | COMP+CAN  | 3/16              | 5.0TPG (m)      |                    | UA         |
| 7004                                               | COMPOSITE | 3/4               | 19.0TTG     |                    | UA         | 6036                                                 | COMP+CAN  | 1/4               | 6.0TPG (s)      |                    | UA         |
| 6292                                               | COMPOSITE | 1/8               | 3.0TPG (m)  |                    | UA         | 6037                                                 | COMP+CAN  | 3/8               | 10.0TPG (m)     |                    | UA         |
| 6293                                               | COMPOSITE | 5/32              | 4.0TPG (m)  |                    | UA         | <b>Milgard Tempering ; Dixon, CA</b>                 |           |                   |                 |                    |            |
| 6294                                               | COMPOSITE | 3/16              | 5.0TPG (d)  |                    | UA         | 2842                                                 | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
| 6295                                               | COMPOSITE | 1/4               | 6.0TPG (m)  |                    | UA         | <b>Mr. Glass Tempering, LLC ; Brooklyn, NY</b>       |           |                   |                 |                    |            |
| 6296                                               | COMPOSITE | 3/8               | 10.0TPG (m) |                    | UA         | 7170                                                 | COMP+CAN  | 3/16              | 5.0TTG          |                    | UA         |
| <b>Maryland Glass &amp; Mirror ; Baltimore, MD</b> |           |                   |             |                    |            | 7171                                                 | COMP+CAN  | 1/4               | 6.0TTG          |                    | UA         |
| 4318                                               | COMPOSITE | 1/8               | 3.0TTG      |                    | UA         | 7172                                                 | COMP+CAN  | 3/8               | 10.0TTG         |                    | UA         |
| 4319                                               | COMPOSITE | 3/16              | 5.0TTG      |                    | UA         | 7173                                                 | COMP+CAN  | 1/2               | 12.0TTG         |                    | UA         |
| 4320                                               | COMPOSITE | 1/4               | 6.0TTG      |                    | UA         | <b>Multiver ; Vanier, QC</b>                         |           |                   |                 |                    |            |
| 4321                                               | COMPOSITE | 3/8               | 10.0TTG     |                    | UA         | 2498                                                 | COMPOSITE | 1/8               | 3.0TTG          |                    | UA         |
| 4322                                               | COMPOSITE | 1/2               | 12.0TTG     |                    | UA         | 2629                                                 | COMPOSITE | 5/32              | 4.0TTG          |                    | UA         |
| 7022                                               | COMPOSITE | 3/4               | 19.0TTG     |                    | UA         | 6890                                                 | COMPOSITE | 3/16              | 5.0TTG          |                    | UA         |
|                                                    |           |                   |             |                    |            | 2499                                                 | COMPOSITE | 1/4               | 6.0TTG          |                    | UA         |
|                                                    |           |                   |             |                    |            | 5226                                                 | COMPOSITE | 5/16              | 8.0TTG          |                    | UA         |
|                                                    |           |                   |             |                    |            | 5227                                                 | COMPOSITE | 3/8               | 10.0TTG         |                    | UA         |
|                                                    |           |                   |             |                    |            | 5228                                                 | COMPOSITE | 1/2               | 12.0TTG         |                    | UA         |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                          | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE            | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                   | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|----------------------------------------------------------------|-----------|--------------------------------|------|-----------------|-----------------------|---------------|---------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|
| <b>Nashville Tempered Glass Corp. ; Nashville, TN</b>          |           |                                |      |                 |                       |               | <b>Northwestern Industries, Inc. ; Seattle, WA</b>      |           |                                |      |                   |                       |               |
| 1416                                                           | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            | 6435                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 2497                                                           | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            | 6436                                                    | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            |
| 1467                                                           | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            | 6437                                                    | COMPOSITE | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            |
| 1417                                                           | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            | 6438                                                    | COMPOSITE | (H)                            |      | 12LTG (ip)(A)     | (.060)                | UA            |
| 5729                                                           | COMP+CAN  | 5/16                           |      | 8.0TTG          |                       | UA            | <b>Northwestern Industries, Inc. ; Yuma, AZ</b>         |           |                                |      |                   |                       |               |
| 2494                                                           | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            | 6566                                                    | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 2420                                                           | COMP+CAN  | 1/8                            |      | 3.0TPG (s)      |                       | UA            | 6567                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5785                                                           | COMP+CAN  | 5/32                           |      | 4.0TPG (s)      |                       | UA            | 6568                                                    | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            |
| 2417                                                           | COMP+CAN  | 3/16                           |      | 5.0TPG (s)      |                       | UA            | 6569                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| <b>Nashville Tempered Glass LLC ; Hendersonville, TN</b>       |           |                                |      |                 |                       |               | <b>Novatech Canada Inc. ; Montreal, Quebec, Canada</b>  |           |                                |      |                   |                       |               |
| 2691                                                           | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            | 6217                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            |
| 2692                                                           | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            | 6218                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 2693                                                           | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            | 6219                                                    | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 2694                                                           | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            | 6220                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 4148                                                           | COMP+CAN  | 1/2                            |      | 12.0TTG         |                       | UA            | 6221                                                    | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5454                                                           | COMP+CAN  | 3/4                            |      | 19.0TTG         |                       | UA            | 6222                                                    | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| 5229                                                           | COMP+CAN  | (S)                            |      | 6LTG (b)(A)     | (.015)                | UB            | <b>Novatech Canada Inc. ; St-Agapit, Quebec, Canada</b> |           |                                |      |                   |                       |               |
| 5230                                                           | COMP+CAN  | (H)                            |      | 10-12LTG (b)(A) | (.030)                | UA            | 7006                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            |
| 5231                                                           | COMP+CAN  | (H)                            |      | 12LTG (ip)(A)   | (.035)                | UA            | 7007                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| <b>New Angle Beveling ; Clearfield, PA</b>                     |           |                                |      |                 |                       |               | 7008                                                    | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5772                                                           | COMPOSITE | 1/8                            |      | 3.0TTG          |                       | UA            | 7009                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5774                                                           | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            | <b>NY Tempering LLC ; Maspeth, NY</b>                   |           |                                |      |                   |                       |               |
| 5773                                                           | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            | 4900                                                    | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5775                                                           | COMPOSITE | 3/8                            |      | 10.0TTG         |                       | UA            | 4901                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5776                                                           | COMPOSITE | 1/2                            |      | 12.0TTG         |                       | UA            | 4902                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| <b>New Angle Beveling ; Hyde, PA</b>                           |           |                                |      |                 |                       |               | 4903                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 4593                                                           | COMPOSITE | 1/8                            |      | 3.0TTG          |                       | UA            | <b>NYC Glass Corp ; Brooklyn, NY</b>                    |           |                                |      |                   |                       |               |
| 4594                                                           | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            | 7255                                                    | COMP+CAN  | (H)                            |      | 12-16+LTG (ev)(A) | (.030)                | UA            |
| 4595                                                           | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            | <b>Oldcastle BuildingEnvelope® ; Albertville, MN</b>    |           |                                |      |                   |                       |               |
| 4591                                                           | COMPOSITE | 3/8                            |      | 10.0TTG         |                       | UA            | 3104                                                    | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            |
| 4592                                                           | COMPOSITE | 1/2                            |      | 12.0TTG         |                       | UA            | 3105                                                    | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| <b>New Century Glass &amp; Aluminum LLC ; Woodside, NY</b>     |           |                                |      |                 |                       |               | 3106                                                    | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5455                                                           | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            | 3107                                                    | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5456                                                           | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            | 4882                                                    | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 5457                                                           | COMPOSITE | 3/8                            |      | 10.0TTG         |                       | UA            | 3108                                                    | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5458                                                           | COMPOSITE | 1/2                            |      | 12.0TTG         |                       | UA            | 3109                                                    | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| <b>Ningbo Xinxin Glass Technology Co., Ltd ; Ningbo, China</b> |           |                                |      |                 |                       |               | 3110                                                    | COMP+CAN  | 5/8                            |      | 16.0TTG           |                       | UA            |
| 6271                                                           | COMPOSITE | 5/32                           |      | 4.0TTG          |                       | UA            | 3111                                                    | COMP+CAN  | 3/4                            |      | 19.0TTG           |                       | UA            |
| 6272                                                           | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            | 3112                                                    | COMP+CAN  | 5/32                           |      | 4.0TPG (s)        |                       | UA            |
| 6273                                                           | COMPOSITE | 5/32                           |      | 4.0TPG (m)      |                       | UA            | 3113                                                    | COMP+CAN  | 3/16                           |      | 5.0TPG (s)        |                       | UA            |
| 6274                                                           | COMPOSITE | 1/4                            |      | 6.0TPG (s)      |                       | UA            | 3561                                                    | COMP+CAN  | 1/4                            |      | 6.0TPG (s)        |                       | UA            |
| 6845                                                           | COMPOSITE | 3/8                            |      | 10.0TPG (s)     |                       | UA            | 3127                                                    | COMP+CAN  | 3/8                            |      | 10.0TPG (m)       |                       | UA            |
| <b>Northeast Building Products ; Philadelphia, PA</b>          |           |                                |      |                 |                       |               | <b>Northwestern Glass Fab ; Fridley, MN</b>             |           |                                |      |                   |                       |               |
| 7281                                                           | COMPOSITE | 1/8                            |      | 3.0TTG          |                       | UA            | 6733                                                    | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |
| 7282                                                           | COMPOSITE | 5/32                           |      | 4.0TTG          |                       | UA            | 6734                                                    | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 7283                                                           | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            | 6735                                                    | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| <b>Northwestern Glass Fab ; Fridley, MN</b>                    |           |                                |      |                 |                       |               | 6736                                                    | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 6733                                                           | COMPOSITE | 1/8                            |      | 3.0TTG          |                       | UA            | 6737                                                    | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 6734                                                           | COMPOSITE | 3/16                           |      | 5.0TTG          |                       | UA            |                                                         |           |                                |      |                   |                       |               |
| 6735                                                           | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            |                                                         |           |                                |      |                   |                       |               |
| 6736                                                           | COMPOSITE | 3/8                            |      | 10.0TTG         |                       | UA            |                                                         |           |                                |      |                   |                       |               |
| 6737                                                           | COMPOSITE | 1/2                            |      | 12.0TTG         |                       | UA            |                                                         |           |                                |      |                   |                       |               |

## Certified Products-Alphabetical By Plant

| SGCC#                                              | TEST STD | INCHES (THICKNESS CLASS) | (MM) | TYPE              | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                  | TEST STD | INCHES (THICKNESS CLASS) | (MM) | TYPE              | MAX SIZE CERTIFIED | ANSI CLASS |
|----------------------------------------------------|----------|--------------------------|------|-------------------|--------------------|------------|--------------------------------------------------------|----------|--------------------------|------|-------------------|--------------------|------------|
| <b>Oldcastle BuildingEnvelope® ; Calgary, AB</b>   |          |                          |      |                   |                    |            | <b>Oldcastle BuildingEnvelope® ; Fremont, CA</b>       |          |                          |      |                   |                    |            |
| 3263                                               | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         | 3191                                                   | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         |
| 3264                                               | COMP+CAN | 5/32                     |      | 4.0 TTG           |                    | UA         | 3192                                                   | COMP+CAN | 5/32                     |      | 4.0 TTG           |                    | UA         |
| 3265                                               | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         | 3193                                                   | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         |
| 3266                                               | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         | 3194                                                   | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         |
| 3267                                               | COMP+CAN | 5/16                     |      | 8.0 TTG           |                    | UA         | 5387                                                   | COMP+CAN | 5/16                     |      | 8.0 TTG           |                    | UA         |
| 3268                                               | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         | 3195                                                   | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         |
| 3269                                               | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         | 3196                                                   | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         |
| 3270                                               | COMP+CAN | 5/8                      |      | 16.0 TTG          |                    | UA         | 4458                                                   | COMP+CAN | 5/8                      |      | 16.0 TTG          |                    | UA         |
| 3271                                               | COMP+CAN | 3/4                      |      | 19.0 TTG          |                    | UA         | 3197                                                   | COMP+CAN | 3/4                      |      | 19.0 TTG          |                    | UA         |
| 3273                                               | COMP+CAN | 5/32                     |      | 4.0 TPG (d)       |                    | UA         | 3199                                                   | COMP+CAN | 1/8                      |      | 3.0 TPG (s)       |                    | UA         |
| 3274                                               | COMP+CAN | 3/16                     |      | 5.0 TPG (d)       |                    | UA         | 3200                                                   | COMP+CAN | 5/32                     |      | 4.0 TPG (d)       |                    | UA         |
| 3275                                               | COMP+CAN | 1/4                      |      | 6.0 TPG (m)       |                    | UA         | 3201                                                   | COMP+CAN | 3/16                     |      | 5.0 TPG (m)       |                    | UA         |
| 3262                                               | COMP+CAN | 3/8                      |      | 10.0 TPG (d)      |                    | UA         | 3907                                                   | COMP+CAN | 1/4                      |      | 6.0 TPG (m)       |                    | UA         |
| <b>Oldcastle BuildingEnvelope® ; Concord, ON</b>   |          |                          |      |                   |                    |            | 3203                                                   | COMP+CAN | 3/8                      |      | 10.0 TPG (m)      |                    | UA         |
| 3439                                               | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         | 6843                                                   | COMP+CAN | (S)                      |      | 6 LTG (b)(A)      | (.030)             | UA         |
| 3440                                               | COMP+CAN | 5/32                     |      | 4.0 TTG           |                    | UA         | 4460                                                   | COMP+CAN | (H)                      |      | 8-16+LTG (b)(A)   | (.060)             | UA         |
| 3441                                               | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         | 4461                                                   | COMP+CAN | (H)                      |      | 8-16+LTG (ip)(A)  | (.060)             | UA         |
| 3442                                               | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         | <b>Oldcastle BuildingEnvelope® ; Grand Prairie, TX</b> |          |                          |      |                   |                    |            |
| 3443                                               | COMP+CAN | 5/16                     |      | 8.0 TTG           |                    | UA         | 3250                                                   | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         |
| 3444                                               | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         | 3251                                                   | COMP+CAN | 5/32                     |      | 4.0 TTG           |                    | UA         |
| 3445                                               | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         | 3252                                                   | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         |
| 3446                                               | COMP+CAN | 5/8                      |      | 16.0 TTG          |                    | UA         | 3253                                                   | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         |
| 3447                                               | COMP+CAN | 3/4                      |      | 19.0 TTG          |                    | UA         | 3255                                                   | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         |
| 4424                                               | COMP+CAN | 3/16                     |      | 5.0 TPG (s)       |                    | UA         | 3256                                                   | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         |
| 3448                                               | COMP+CAN | 3/8                      |      | 10.0 TPG (s)      |                    | UA         | 7039                                                   | COMP+CAN | 5/8                      |      | 16.0 TTG          |                    | UA         |
| <b>Oldcastle BuildingEnvelope® ; Covington, GA</b> |          |                          |      |                   |                    |            | 3257                                                   | COMP+CAN | 3/4                      |      | 19.0 TTG          |                    | UA         |
| 3329                                               | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         | 3425                                                   | COMP+CAN | 1/8                      |      | 3.0 TPG (s)       |                    | UA         |
| 3330                                               | COMP+CAN | 5/32                     |      | 4.0 TTG           |                    | UA         | 3426                                                   | COMP+CAN | 5/32                     |      | 4.0 TPG (m)(IN)   |                    | UA         |
| 3331                                               | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         | 3427                                                   | COMP+CAN | 3/16                     |      | 5.0 TPG (s)       |                    | UA         |
| 3332                                               | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         | 3428                                                   | COMP+CAN | 3/8                      |      | 10.0 TPG (s)      |                    | UA         |
| 3333                                               | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         | 7099                                                   | COMP+CAN | (S)                      |      | 6 LTG (b)(A)      | (.030)             | UA         |
| 3334                                               | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         | 7098                                                   | COMP+CAN | (H)                      |      | 8-16+LTG (b)(A)   | (.030)             | UA         |
| 4390                                               | COMP+CAN | 5/8                      |      | 16.0 TTG          |                    | UA         | 7109                                                   | COMP+CAN | (H)                      |      | 8-16+LTG (ip)(A)  | (.060)             | UA         |
| 3335                                               | COMP+CAN | 3/4                      |      | 19.0 TTG          |                    | UA         | <b>Oldcastle BuildingEnvelope® ; Hauppauge, NY</b>     |          |                          |      |                   |                    |            |
| 3336                                               | COMP+CAN | 1/8                      |      | 3.0 TPG (s)       |                    | UA         | 1546                                                   | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         |
| 3338                                               | COMP+CAN | 3/16                     |      | 5.0 TPG (m)       |                    | UA         | 1547                                                   | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         |
| 3339                                               | COMP+CAN | 1/4                      |      | 6.0 TPG (m)       |                    | UA         | 1548                                                   | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         |
| 3340                                               | COMP+CAN | 3/8                      |      | 10.0 TPG (s)      |                    | UA         | 4180                                                   | COMP+CAN | 5/16                     |      | 8.0 TTG           |                    | UA         |
| 6697                                               | COMP+CAN | (S)                      |      | 6 LTG (b)(A)      | (.030)             | UA         | 1549                                                   | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         |
| 4392                                               | COMP+CAN | (H)                      |      | 10-16+LTG (b)(A)  | (.030)             | UA         | 1550                                                   | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         |
| 4393                                               | COMP+CAN | (H)                      |      | 10-12LTG (ip)(A)  | (.035)             | UA         | 4181                                                   | COMP+CAN | 5/8                      |      | 16.0 TTG          |                    | UA         |
| <b>Oldcastle BuildingEnvelope® ; Denver, CO</b>    |          |                          |      |                   |                    |            | 1551                                                   | COMP+CAN | 3/4                      |      | 19.0 TTG          |                    | UA         |
| 3310                                               | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         | 3492                                                   | COMP+CAN | 3/16                     |      | 5.0 TPG (d)       |                    | UA         |
| 3311                                               | COMP+CAN | 5/32                     |      | 4.0 TTG           |                    | UA         | 3392                                                   | COMP+CAN | (S)                      |      | 6 LTG (b)(A)      | (.030)             | UA         |
| 3312                                               | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         | 4618                                                   | COMP+CAN | (H)                      |      | 8-16+LTG (b)(A)   | (.030)             | UA         |
| 3313                                               | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         | 5355                                                   | COMP+CAN | (H)                      |      | 10-16+LTG (ip)(A) | (.060)             | UA         |
| 3314                                               | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         | <b>Oldcastle BuildingEnvelope® ; Houston, TX</b>       |          |                          |      |                   |                    |            |
| 3315                                               | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         | 3156                                                   | COMP+CAN | 1/8                      |      | 3.0 TTG           |                    | UA         |
| 3317                                               | COMP+CAN | 1/8                      |      | 3.0 TPG (s)       |                    | UA         | 3158                                                   | COMP+CAN | 3/16                     |      | 5.0 TTG           |                    | UA         |
| 3318                                               | COMP+CAN | 5/32                     |      | 4.0 TPG (d)       |                    | UA         | 3159                                                   | COMP+CAN | 1/4                      |      | 6.0 TTG           |                    | UA         |
| 3319                                               | COMP+CAN | 3/16                     |      | 5.0 TPG (m)       |                    | UA         | 3160                                                   | COMP+CAN | 3/8                      |      | 10.0 TTG          |                    | UA         |
| 3320                                               | COMP+CAN | 1/4                      |      | 6.0 TPG (m)       |                    | UA         | 3161                                                   | COMP+CAN | 1/2                      |      | 12.0 TTG          |                    | UA         |
| 3321                                               | COMP+CAN | 3/8                      |      | 10.0 TPG (m)      |                    | UA         | 3164                                                   | COMP+CAN | 3/16                     |      | 5.0 TPG (m)       |                    | UA         |
| 4533                                               | COMP+CAN | (S)                      |      | 6 LTG (b)(A)      | (.030)             | UA         | 3166                                                   | COMP+CAN | 3/8                      |      | 10.0 TPG (s)      |                    | UA         |
| 4454                                               | COMP+CAN | (H)                      |      | 8-16+LTG (b)(A)   | (.030)             | UA         | 4402                                                   | COMP+CAN | (H)                      |      | 8-16+LTG (b)(A)   | (.030)             | UA         |
| 6056                                               | COMP+CAN | (H)                      |      | 12-16+LTG (ip)(A) | (.060)             | UA         | 4401                                                   | COMP+CAN | (H)                      |      | 10-16+LTG (ip)(A) | (.060)             | UA         |

## Certified Products-Alphabetical By Plant

| SGCC#                                                 | TEST STD | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                               | TEST STD | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-------------------------------------------------------|----------|--------------------------------|------|------------------|-----------------------|---------------|-----------------------------------------------------|----------|--------------------------------|------|------------------|-----------------------|---------------|
| <b>Oldcastle BuildingEnvelope® ; Indianapolis, IN</b> |          |                                |      |                  |                       |               | <b>Oldcastle BuildingEnvelope® ; Moorestown, NJ</b> |          |                                |      |                  |                       |               |
| 2210                                                  | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            | 3180                                                | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            |
| 2216                                                  | COMP+CAN | 5/32                           |      | 4.0 TTG          |                       | UA            | 3181                                                | COMP+CAN | 5/32                           |      | 4.0 TTG          |                       | UA            |
| 2211                                                  | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            | 3182                                                | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            |
| 2212                                                  | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            | 3183                                                | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            |
| 2213                                                  | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            | 3184                                                | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            |
| 2214                                                  | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            | 3185                                                | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            |
| 7250                                                  | COMP+CAN | 5/8                            |      | 16.0 TTG         |                       | UA            | 4054                                                | COMP+CAN | 5/8                            |      | 16.0 TTG         |                       | UA            |
| 4384                                                  | COMP+CAN | 1/8                            |      | 3.0 TPG (s)      |                       | UA            | 3186                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)      |                       | UA            |
| 7019                                                  | COMP+CAN | 5/32                           |      | 4.0 TPG (d)      |                       | UA            | 3187                                                | COMP+CAN | 5/32                           |      | 4.0 TPG (d)      |                       | UA            |
| 2215                                                  | COMP+CAN | 3/16                           |      | 5.0 TPG (s)      |                       | UA            | 3188                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (m)      |                       | UA            |
| 5442                                                  | COMP+CAN | 1/4                            |      | 6.0 TPG (d)      |                       | UA            | 3189                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (m)      |                       | UA            |
| 3259                                                  | COMP+CAN | 3/8                            |      | 10.0 TPG (s)     |                       | UA            | 3190                                                | COMP+CAN | 3/8                            |      | 10.0 TPG (s)     |                       | UA            |
| <b>Oldcastle BuildingEnvelope® ; Langley, BC</b>      |          |                                |      |                  |                       |               | <b>Oldcastle BuildingEnvelope® ; Perrysburg, OH</b> |          |                                |      |                  |                       |               |
| 3286                                                  | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            | 3233                                                | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            |
| 3287                                                  | COMP+CAN | 5/32                           |      | 4.0 TTG          |                       | UA            | 3234                                                | COMP+CAN | 5/32                           |      | 4.0 TTG          |                       | UA            |
| 3288                                                  | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            | 3235                                                | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            |
| 3289                                                  | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            | 3236                                                | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            |
| 3290                                                  | COMP+CAN | 5/16                           |      | 8.0 TTG          |                       | UA            | 4443                                                | COMP+CAN | 5/16                           |      | 8.0 TTG          |                       | UA            |
| 3291                                                  | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            | 3237                                                | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            |
| 3292                                                  | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            | 3238                                                | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            |
| 3293                                                  | COMP+CAN | 5/8                            |      | 16.0 TTG         |                       | UA            | 3239                                                | COMP+CAN | 5/8                            |      | 16.0 TTG         |                       | UA            |
| 3294                                                  | COMP+CAN | 3/4                            |      | 19.0 TTG         |                       | UA            | 3240                                                | COMP+CAN | 3/4                            |      | 19.0 TTG         |                       | UA            |
| 3295                                                  | COMP+CAN | 1/8                            |      | 3.0 TPG (m)      |                       | UA            | 3242                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)      |                       | UA            |
| 3296                                                  | COMP+CAN | 5/32                           |      | 4.0 TPG (d)      |                       | UA            | 3243                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (s)      |                       | UA            |
| 3297                                                  | COMP+CAN | 3/16                           |      | 5.0 TPG (d)      |                       | UA            | 3244                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (m)      |                       | UA            |
| 4710                                                  | COMP+CAN | 3/8                            |      | 10.0 TPG (s)     |                       | UA            | 4700                                                | COMP+CAN | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            |
| 4475                                                  | COMP+CAN | (S)                            |      | 6LTG (b)(A)      | (.030)                | UB            | 4444                                                | COMP+CAN | (H)                            |      | 8-16+LTG (ip)(A) | (.060)                | UA            |
| 4476                                                  | COMP+CAN | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UB            | 4446                                                | COMP+CAN | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            |
| <b>Oldcastle BuildingEnvelope® ; Los Angeles, CA</b>  |          |                                |      |                  |                       |               | <b>Oldcastle BuildingEnvelope® ; Phoenix, AZ</b>    |          |                                |      |                  |                       |               |
| 1608                                                  | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            | 3128                                                | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            |
| 1609                                                  | COMP+CAN | 5/32                           |      | 4.0 TTG          |                       | UA            | 3130                                                | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            |
| 630                                                   | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            | 3131                                                | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            |
| 514                                                   | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            | 3132                                                | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            |
| 4400                                                  | COMP+CAN | 5/16                           |      | 8.0 TTG          |                       | UA            | 3133                                                | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            |
| 515                                                   | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            | 7262                                                | COMP+CAN | 5/8                            |      | 16.0 TTG         |                       | UA            |
| 516                                                   | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            | 6394                                                | COMP+CAN | 3/4                            |      | 19.0 TTG         |                       | UA            |
| 4387                                                  | COMP+CAN | 5/8                            |      | 16.0 TTG         |                       | UA            | 3134                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)      |                       | UA            |
| 2074                                                  | COMP+CAN | 3/4                            |      | 19.0 TTG         |                       | UA            | 3136                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (m)      |                       | UA            |
| 935                                                   | COMP+CAN | 3/16                           |      | 5.0 TPG (m)      |                       | UA            | 3999                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (m)      |                       | UA            |
| 4133                                                  | COMP+CAN | 1/4                            |      | 6.0 TPG (s)      |                       | UA            | 3729                                                | COMP+CAN | 3/8                            |      | 10.0 TPG (m)     |                       | UA            |
| 3793                                                  | COMP+CAN | 3/8                            |      | 10.0 TPG (m)     |                       | UA            | <b>Oldcastle BuildingEnvelope® ; Rock Hill, SC</b>  |          |                                |      |                  |                       |               |
| 4346                                                  | COMP+CAN | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            | 3276                                                | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            |
| 4563                                                  | COMP+CAN | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            | 3462                                                | COMP+CAN | 5/32                           |      | 4.0 TTG          |                       | UA            |
| <b>Oldcastle BuildingEnvelope® ; Miami, FL</b>        |          |                                |      |                  |                       |               | 3277                                                | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            |
| 3496                                                  | COMP+CAN | 1/8                            |      | 3.0 TTG          |                       | UA            | 3278                                                | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            |
| 3497                                                  | COMP+CAN | 3/16                           |      | 5.0 TTG          |                       | UA            | 4787                                                | COMP+CAN | 5/16                           |      | 8.0 TTG (IN)     |                       | UA            |
| 3498                                                  | COMP+CAN | 1/4                            |      | 6.0 TTG          |                       | UA            | 3279                                                | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            |
| 3499                                                  | COMP+CAN | 3/8                            |      | 10.0 TTG         |                       | UA            | 3280                                                | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            |
| 3500                                                  | COMP+CAN | 1/2                            |      | 12.0 TTG         |                       | UA            | 3281                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)      |                       | UA            |
| 3501                                                  | COMP+CAN | 1/8                            |      | 3.0 TPG (s)      |                       | UA            | 4396                                                | COMP+CAN | 5/32                           |      | 4.0 TPG (d)      |                       | UA            |
| 3502                                                  | COMP+CAN | 3/16                           |      | 5.0 TPG (m)      |                       | UA            | 3283                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (d)      |                       | UA            |
| 4477                                                  | COMP+CAN | 1/4                            |      | 6.0 TPG (d)      |                       | UA            | 3284                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (d)      |                       | UA            |
| 3503                                                  | COMP+CAN | 3/8                            |      | 10.0 TPG (s)     |                       | UA            | 3285                                                | COMP+CAN | 3/8                            |      | 10.0 TPG (d)     |                       | UA            |
| 4001                                                  | COMP+CAN | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            |                                                     |          |                                |      |                  |                       |               |
| 4397                                                  | COMP+CAN | (S)                            |      | 6LTG (ip)(A)     | (.035)                | UA            |                                                     |          |                                |      |                  |                       |               |
| 4398                                                  | COMP+CAN | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            |                                                     |          |                                |      |                  |                       |               |
| 4399                                                  | COMP+CAN | (H)                            |      | 8-16+LTG (ip)(A) | (.035)                | UA            |                                                     |          |                                |      |                  |                       |               |



## Certified Products-Alphabetical By Plant

| SGCC#                                              | TEST STD | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                    | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|----------------------------------------------------|----------|--------------------------------|------|-------------------|-----------------------|---------------|--------------------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|
| <b>Oldcastle BuildingEnvelope® ; Schofield, WI</b> |          |                                |      |                   |                       |               | <b>Oldcastle BuildingEnvelope® ; Warrenton, MO</b>                       |           |                                |      |                  |                       |               |
| 3167                                               | COMP+CAN | 1/8                            |      | 3.0TTG            |                       | UA            | 3144                                                                     | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            |
| 3168                                               | COMP+CAN | 5/32                           |      | 4.0TTG            |                       | UA            | 3145                                                                     | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| 3169                                               | COMP+CAN | 3/16                           |      | 5.0TTG            |                       | UA            | 3146                                                                     | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 3170                                               | COMP+CAN | 1/4                            |      | 6.0TTG            |                       | UA            | 3147                                                                     | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 3171                                               | COMP+CAN | 5/16                           |      | 8.0TTG            |                       | UA            | 3796                                                                     | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 3172                                               | COMP+CAN | 3/8                            |      | 10.0TTG           |                       | UA            | 3148                                                                     | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 3173                                               | COMP+CAN | 1/2                            |      | 12.0TTG           |                       | UA            | 3149                                                                     | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 3177                                               | COMP+CAN | 5/32                           |      | 4.0TPG (d)        |                       | UA            | 5904                                                                     | COMP+CAN  | 5/8                            |      | 16.0TTG          |                       | UA            |
| 3178                                               | COMP+CAN | 3/16                           |      | 5.0TPG (d)        |                       | UA            | 3151                                                                     | COMP+CAN  | 1/8                            |      | 3.0TPG (s)       |                       | UA            |
| 3179                                               | COMP+CAN | 1/4                            |      | 6.0TPG (d)        |                       | UA            | 3152                                                                     | COMP+CAN  | 5/32                           |      | 4.0TPG (s)       |                       | UA            |
| 3176                                               | COMP+CAN | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            | 3153                                                                     | COMP+CAN  | 3/16                           |      | 5.0TPG (m)       |                       | UA            |
| 4558                                               | COMP+CAN | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            | 3154                                                                     | COMP+CAN  | 1/4                            |      | 6.0TPG (m)       |                       | UA            |
| 6773                                               | COMP+CAN | (H)                            |      | 10-16+LTG (ip)(A) | (.060)                | UA            | 3155                                                                     | COMP+CAN  | 3/8                            |      | 10.0TPG (d)      |                       | UA            |
| <b>Oldcastle BuildingEnvelope® ; Shawnee, OK</b>   |          |                                |      |                   |                       |               | <b>Oldcastle BuildingEnvelope® ; Wright City, MO</b>                     |           |                                |      |                  |                       |               |
| 3095                                               | COMP+CAN | 1/8                            |      | 3.0TTG            |                       | UA            | 3137                                                                     | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            |
| 3096                                               | COMP+CAN | 5/32                           |      | 4.0TTG            |                       | UA            | 3138                                                                     | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| 3097                                               | COMP+CAN | 3/16                           |      | 5.0TTG            |                       | UA            | 3139                                                                     | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 3098                                               | COMP+CAN | 1/4                            |      | 6.0TTG            |                       | UA            | 3140                                                                     | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 3099                                               | COMP+CAN | 3/8                            |      | 10.0TTG           |                       | UA            | 3141                                                                     | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 3100                                               | COMP+CAN | 1/2                            |      | 12.0TTG           |                       | UA            | 3142                                                                     | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 3101                                               | COMP+CAN | 1/8                            |      | 3.0TPG (m)        |                       | UA            | 3143                                                                     | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 3102                                               | COMP+CAN | 5/32                           |      | 4.0TPG (m)        |                       | UA            | 4526                                                                     | COMP+CAN  | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            |
| 3103                                               | COMP+CAN | 3/16                           |      | 5.0TPG (m)        |                       | UA            | 4528                                                                     | COMP+CAN  | (S)                            |      | 6LTG (ip)(A)     | (.035)                | UA            |
| <b>Oldcastle BuildingEnvelope® ; Tampa, FL</b>     |          |                                |      |                   |                       |               | 4527                                                                     | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            |
| 3116                                               | COMP+CAN | 1/8                            |      | 3.0TTG            |                       | UA            | 4529                                                                     | COMP+CAN  | (H)                            |      | 8-16+LTG (ip)(A) | (.035)                | UA            |
| 3118                                               | COMP+CAN | 3/16                           |      | 5.0TTG            |                       | UA            | <b>Oldcastle BuildingEnvelope® Canada Inc. ; Pointe-aux-Trembles, QC</b> |           |                                |      |                  |                       |               |
| 3119                                               | COMP+CAN | 1/4                            |      | 6.0TTG            |                       | UA            | 4247                                                                     | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| 3120                                               | COMP+CAN | 3/8                            |      | 10.0TTG           |                       | UA            | 1997                                                                     | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 3121                                               | COMP+CAN | 1/2                            |      | 12.0TTG           |                       | UA            | 2543                                                                     | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 3122                                               | COMP+CAN | 1/8                            |      | 3.0TPG (s)        |                       | UA            | 2884                                                                     | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 3124                                               | COMP+CAN | 3/16                           |      | 5.0TPG (m)        |                       | UA            | 2544                                                                     | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 3125                                               | COMP+CAN | 1/4                            |      | 6.0TPG (m)        |                       | UA            | 2062                                                                     | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 4340                                               | COMP+CAN | 3/8                            |      | 10.0TPG (s)       |                       | UA            | 5025                                                                     | COMP+CAN  | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            |
| 4448                                               | COMP+CAN | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            | 5024                                                                     | COMP+CAN  | (S)                            |      | 6LTG (b)(A)(IN)  | (.015)(C1)            | UB            |
| 4449                                               | COMP+CAN | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            | 4435                                                                     | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            |
| 5051                                               | COMP+CAN | (H)                            |      | 12LTG (ip)(A)     | (.035)                | UA            | 4433                                                                     | COMP+CAN  | (H)                            |      | 8-16+LTG (ip)(A) | (.060)                | UA            |
| <b>Oldcastle BuildingEnvelope® ; Vancouver, WA</b> |          |                                |      |                   |                       |               | <b>Onyx Solar Energy, S.L. ; Avila, Spain</b>                            |           |                                |      |                  |                       |               |
| 3219                                               | COMP+CAN | 1/8                            |      | 3.0TTG            |                       | UA            | 7071                                                                     | COMPOSITE | (H)                            |      | 12LTG (ev)(HS)   | (.060)                | UA            |
| 3220                                               | COMP+CAN | 5/32                           |      | 4.0TTG            |                       | UA            | 7070                                                                     | COMPOSITE | (H)                            |      | 16LTG (ip)(HS)   | (.035)x2              | UA            |
| 3221                                               | COMP+CAN | 3/16                           |      | 5.0TTG            |                       | UA            | <b>Panoramic Doors LLC ; Oceanside, CA</b>                               |           |                                |      |                  |                       |               |
| 3222                                               | COMP+CAN | 1/4                            |      | 6.0TTG            |                       | UA            | 7162                                                                     | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            |
| 3223                                               | COMP+CAN | 5/16                           |      | 8.0TTG            |                       | UA            | <b>Paragon Tempered Glass ; Antwerp, OH</b>                              |           |                                |      |                  |                       |               |
| 3224                                               | COMP+CAN | 3/8                            |      | 10.0TTG           |                       | UA            | 2684                                                                     | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            |
| 3225                                               | COMP+CAN | 1/2                            |      | 12.0TTG           |                       | UA            | 2685                                                                     | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            |
| 3226                                               | COMP+CAN | 1/8                            |      | 3.0TPG (s)        |                       | UA            | 2686                                                                     | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
| 3228                                               | COMP+CAN | 3/16                           |      | 5.0TPG (m)        |                       | UA            | 2687                                                                     | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            |
| 3229                                               | COMP+CAN | 1/4                            |      | 6.0TPG (m)        |                       | UA            | 2688                                                                     | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            |
| 3230                                               | COMP+CAN | 3/8                            |      | 10.0TPG (m)       |                       | UA            | 5242                                                                     | COMPOSITE | 3/16                           |      | 5.0TBG           |                       | UA            |
|                                                    |          |                                |      |                   |                       |               | 4811                                                                     | COMPOSITE | 1/4                            |      | 6.0TBG           |                       | UA            |
|                                                    |          |                                |      |                   |                       |               | <b>Patio Enclosures ; Macedonia, OH</b>                                  |           |                                |      |                  |                       |               |
|                                                    |          |                                |      |                   |                       |               | 6022                                                                     | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            |
|                                                    |          |                                |      |                   |                       |               | 2057                                                                     | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            |

## Certified Products-Alphabetical By Plant

| SGCC#                                                              | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE               | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                      | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE            | MAX SIZE CERTIFIED | ANSI CLASS |
|--------------------------------------------------------------------|-----------|--------------------------|------|--------------------|--------------------|------------|------------------------------------------------------------|-----------|--------------------------|------|-----------------|--------------------|------------|
| <b>Patriot Armored Systems, LLC ; Lee, MA</b>                      |           |                          |      |                    |                    |            | <b>Precision Glass Bending Corporation ; Greenwood, AR</b> |           |                          |      |                 |                    |            |
| 6688                                                               | COMPOSITE | 1/8                      |      | 3.0TTG             |                    | UA         | 7149                                                       | COMP+CAN  | 1/4                      |      | 6.0TBG          |                    | UA         |
| 6689                                                               | COMPOSITE | 3/16                     |      | 5.0TTG             |                    | UA         | 7150                                                       | COMP+CAN  | 3/8                      |      | 10.0TBG         |                    | UA         |
| 6690                                                               | COMPOSITE | 1/4                      |      | 6.0TTG             |                    | UA         | 7151                                                       | COMP+CAN  | 1/2                      |      | 12.0TBG         |                    | UA         |
| 6691                                                               | COMPOSITE | 3/8                      |      | 10.0TTG            |                    | UA         | 7152                                                       | COMP+CAN  | 5/8                      |      | 16.0TBG         |                    | UA         |
| <b>Pennsylvania Insulating Glass ; Lewistown, PA</b>               |           |                          |      |                    |                    |            | 7153                                                       | COMP+CAN  | 3/4                      |      | 19.0TBG         |                    | UA         |
| 3918                                                               | COMPOSITE | (S)                      |      | 5-6LTG (b)(A)      | (.030)             | UA         | 7154                                                       | COMP+CAN  | (S)                      |      | 6LTG (b)(A)     | (.030)             | UA         |
| <b>Penta Glass Ind. Inc ; Garfield , NJ</b>                        |           |                          |      |                    |                    |            | 7155                                                       | COMP+CAN  | (H)                      |      | 8-16+LTG (b)(A) | (.030)             | UA         |
| 6683                                                               | COMPOSITE | (H)                      |      | 10-16+LTG (ev)(A)  | (.060)             | UA         | <b>Precision Glass Industries ; Houston, TX</b>            |           |                          |      |                 |                    |            |
| <b>Perficom S.A. DE C.V. ; San Juan Del Rio, Queretaro, Mexico</b> |           |                          |      |                    |                    |            | 6886                                                       | COMPOSITE | 3/16                     |      | 5.0TTG          |                    | UA         |
| 4512                                                               | COMPOSITE | 1/8                      |      | 3.0TTG             |                    | UA         | 6887                                                       | COMPOSITE | 1/4                      |      | 6.0TTG          |                    | UA         |
| <b>PFG Glass ; Langley, BC</b>                                     |           |                          |      |                    |                    |            | 6888                                                       | COMPOSITE | 3/8                      |      | 10.0TTG         |                    | UA         |
| 3538                                                               | COMP+CAN  | 1/8                      |      | 3.0TTG             |                    | UA         | 6889                                                       | COMPOSITE | 1/2                      |      | 12.0TTG         |                    | UA         |
| 3539                                                               | COMP+CAN  | 5/32                     |      | 4.0TTG             |                    | UA         | <b>Prelco Inc. ; Riviere-du-loup, QC</b>                   |           |                          |      |                 |                    |            |
| 3540                                                               | COMP+CAN  | 3/16                     |      | 5.0TTG             |                    | UA         | 2034                                                       | COMP+CAN  | 1/8                      |      | 3.0TTG          |                    | UA         |
| 3541                                                               | COMP+CAN  | 1/4                      |      | 6.0TTG             |                    | UA         | 2035                                                       | COMP+CAN  | 5/32                     |      | 4.0TTG          |                    | UA         |
| 3542                                                               | COMP+CAN  | 5/16                     |      | 8.0TTG             |                    | UA         | 2713                                                       | COMP+CAN  | 3/16                     |      | 5.0TTG          |                    | UA         |
| 3543                                                               | COMP+CAN  | 3/8                      |      | 10.0TTG            |                    | UA         | 2015                                                       | COMP+CAN  | 1/4                      |      | 6.0TTG          |                    | UA         |
| 3544                                                               | COMP+CAN  | 1/2                      |      | 12.0TTG            |                    | UA         | 2751                                                       | COMP+CAN  | 5/16                     |      | 8.0TTG          |                    | UA         |
| 3547                                                               | COMP+CAN  | 1/8                      |      | 3.0TPG (s)         |                    | UA         | 2381                                                       | COMP+CAN  | 3/8                      |      | 10.0TTG         |                    | UA         |
| 3548                                                               | COMP+CAN  | 5/32                     |      | 4.0TPG (d)         |                    | UA         | 2048                                                       | COMP+CAN  | 1/2                      |      | 12.0TTG         |                    | UA         |
| 3549                                                               | COMP+CAN  | 3/16                     |      | 5.0TPG (m)         |                    | UA         | 5609                                                       | COMP+CAN  | 5/8                      |      | 16.0TTG         |                    | UA         |
| 3711                                                               | COMP+CAN  | 1/4                      |      | 6.0TPG (m)         |                    | UA         | 4904                                                       | COMP+CAN  | 3/4                      |      | 19.0TTG         |                    | UA         |
| <b>PGT Industries ; North Venice, FL</b>                           |           |                          |      |                    |                    |            | 4905                                                       | COMP+CAN  | (S)                      |      | 6LTG (b)(A)     | (.030)             | UA         |
| 2389                                                               | COMPOSITE | 1/8                      |      | 3.0TTG             |                    | UA         | 4906                                                       | COMP+CAN  | (H)                      |      | 8-16+LTG (b)(A) | (.030)             | UA         |
| 2390                                                               | COMPOSITE | 3/16                     |      | 5.0TTG             |                    | UA         | <b>Prelco Inc. ; Saint-Jacques, NB</b>                     |           |                          |      |                 |                    |            |
| 2391                                                               | COMPOSITE | 1/4                      |      | 6.0TTG             |                    | UA         | 4911                                                       | COMP+CAN  | 1/8                      |      | 3.0TTG          |                    | UA         |
| 3880                                                               | COMPOSITE | 1/8                      |      | 3.0TPG (s)         |                    | UA         | 4912                                                       | COMP+CAN  | 5/32                     |      | 4.0TTG          |                    | UA         |
| 3881                                                               | COMPOSITE | 3/16                     |      | 5.0TPG (s)         |                    | UA         | 4913                                                       | COMP+CAN  | 3/16                     |      | 5.0TTG          |                    | UA         |
| 2426                                                               | COMPOSITE | (H)                      |      | 8-12LTG (b)(A)     | (.060)             | UA         | 4914                                                       | COMP+CAN  | 1/4                      |      | 6.0TTG          |                    | UA         |
| 3482                                                               | COMPOSITE | (H)                      |      | 8-12LTG (ip)(A)    | (.090)             | UA         | 4915                                                       | COMP+CAN  | 5/16                     |      | 8.0TTG          |                    | UA         |
| <b>Phoenicia Flat Glass Industries ; Nazaret, Ilit Israel</b>      |           |                          |      |                    |                    |            | 4916                                                       | COMP+CAN  | 3/8                      |      | 10.0TTG         |                    | UA         |
| 5290                                                               | COMPOSITE | (S)                      |      | 6LTG (b)(A)        | (.030)             | UA         | 4917                                                       | COMP+CAN  | 1/2                      |      | 12.0TTG         |                    | UA         |
| 5786                                                               | COMPOSITE | (S)                      |      | 6LTG (b)(A)        | (.015)             | UB         | 5610                                                       | COMP+CAN  | 5/8                      |      | 16.0TTG         |                    | UA         |
| 6964                                                               | COMPOSITE | (H)                      |      | 8LTG (b)(A)        | (.030)             | UA         | 5611                                                       | COMP+CAN  | 3/4                      |      | 19.0TTG         |                    | UA         |
| <b>Pietta Glass Working Srl ; Valenii De Munte, Romania</b>        |           |                          |      |                    |                    |            | <b>Premier Glass Products ; Atlanta, GA</b>                |           |                          |      |                 |                    |            |
| 7190                                                               | COMP+CAN  | 5/32                     |      | 4.0TTG             |                    | UA         | 6792                                                       | COMP+CAN  | 1/4                      |      | 6.0TTG          |                    | UA         |
| 7191                                                               | COMP+CAN  | 3/16                     |      | 5.0TTG             |                    | UA         | 6793                                                       | COMP+CAN  | 3/8                      |      | 10.0TTG         |                    | UA         |
| <b>Pilkington Architectural ; St. Helens, Merseyside, England</b>  |           |                          |      |                    |                    |            | 6794                                                       | COMP+CAN  | 1/2                      |      | 12.0TTG         |                    | UA         |
| 7132                                                               | COMP+CAN  | 1/4                      |      | 6.0TTG             |                    | UA         | 7059                                                       | COMP+CAN  | 1/4                      |      | 6.0TBG          |                    | 34x56 A    |
| 7133                                                               | COMP+CAN  | 5/16                     |      | 8.0TTG             |                    | UA         | 7060                                                       | COMP+CAN  | 3/8                      |      | 10.0TBG         |                    | 34x56 A    |
| 7134                                                               | COMP+CAN  | 3/8                      |      | 10.0TTG            |                    | UA         | 7061                                                       | COMP+CAN  | 1/2                      |      | 12.0TBG         |                    | 34x56 A    |
| 7135                                                               | COMP+CAN  | 1/2                      |      | 12.0TTG            |                    | UA         | <b>PRESS GLASS SA ; Radomsko, Poland</b>                   |           |                          |      |                 |                    |            |
| 7136                                                               | COMP+CAN  | *                        |      | 15.0TTG (4)        |                    | UA         | 5845                                                       | COMP+CAN  | 5/32                     |      | 4.0TTG          |                    | UA         |
| 7137                                                               | COMP+CAN  | 3/4                      |      | 19.0TTG            |                    | UA         | 6963                                                       | COMP+CAN  | 3/16                     |      | 5.0TTG          |                    | UA         |
| 7139                                                               | COMP+CAN  | (H)                      |      | 12-16+LTG (ip)(HS) | (.060)             | UA         | 5846                                                       | COMP+CAN  | 1/4                      |      | 6.0TTG          |                    | UA         |
| 7138                                                               | COMP+CAN  | (H)                      |      | 12-16+LTG (b)(HS)  | (.060)             | UA         | 5847                                                       | COMP+CAN  | 5/16                     |      | 8.0TTG          |                    | UA         |
| <b>Portland Glass Manufacturing ; Clackamas, OR</b>                |           |                          |      |                    |                    |            | 5848                                                       | COMP+CAN  | 3/8                      |      | 10.0TTG         |                    | UA         |
| 6372                                                               | COMPOSITE | 1/4                      |      | 6.0TTG             |                    | UA         | 5849                                                       | COMP+CAN  | 1/2                      |      | 12.0TTG         |                    | UA         |
| 6373                                                               | COMPOSITE | 3/8                      |      | 10.0TTG            |                    | UA         | 5850                                                       | COMP+CAN  | *                        |      | 15.0TTG (4)     |                    | UA         |
| 6510                                                               | COMPOSITE | 1/2                      |      | 12.0TTG            |                    | UA         | 5851                                                       | COMP+CAN  | (H)                      |      | 8-16+LTG (b)(A) | (.030)             | UA         |

## Certified Products-Alphabetical By Plant

| SGCC#                                                                                                  | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                                             | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE            | MAX SIZE CERTIFIED | ANSI CLASS |
|--------------------------------------------------------------------------------------------------------|-----------|--------------------------|------|------------------|--------------------|------------|---------------------------------------------------------------------------------------------------|-----------|--------------------------|------|-----------------|--------------------|------------|
| <b>PRESS GLASS SA ; Tychy, Poland</b>                                                                  |           |                          |      |                  |                    |            | <b>ProTemp Glass, Inc. ; Concord, ON</b>                                                          |           |                          |      |                 |                    |            |
| 5852                                                                                                   | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         | 7312                                                                                              | COMP+CAN  | 5/16                     |      | 8.0TTG          |                    | UA         |
| 6404                                                                                                   | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         | 7313                                                                                              | COMP+CAN  | 3/8                      |      | 10.0TTG         |                    | UA         |
| 5853                                                                                                   | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 7314                                                                                              | COMP+CAN  | 1/2                      |      | 12.0TTG         |                    | UA         |
| 5854                                                                                                   | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         | 7315                                                                                              | COMP+CAN  | 5/8                      |      | 16.0TTG         |                    | UA         |
| 5855                                                                                                   | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         | 7316                                                                                              | COMP+CAN  | 3/4                      |      | 19.0TTG         |                    | UA         |
| 5856                                                                                                   | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         | <b>PT Abebersa Pratama ; Bekasi, Indonesia</b>                                                    |           |                          |      |                 |                    |            |
| 5857                                                                                                   | COMP+CAN  | *                        |      | 15.0TTG (4)      |                    | UA         | 3905                                                                                              | COMPOSITE | 5/32                     |      | 4.0TTG          |                    | UA         |
| 5858                                                                                                   | COMP+CAN  | (H)                      |      | 8-16+LTG (b)(A)  | (.030)             | UA         | 3906                                                                                              | COMPOSITE | 3/16                     |      | 5.0TTG          |                    | UA         |
| <b>Press Glass, Inc. ; Stoneville, NC</b>                                                              |           |                          |      |                  |                    |            | <b>Pulp Studio, Inc. ; Gardena, CA</b>                                                            |           |                          |      |                 |                    |            |
| 2728                                                                                                   | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | 6416                                                                                              | COMP+CAN  | 1/4                      |      | 6.0TTG          |                    | UA         |
| 2730                                                                                                   | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 4711                                                                                              | COMP+CAN  | (H)                      |      | 8-16+LTG (b)(A) | (.030)             | UA         |
| 2732                                                                                                   | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | <b>Qianse Acrylic Co., LTD. ; Dongguan City, Guangdong Province, China</b>                        |           |                          |      |                 |                    |            |
| 5259                                                                                                   | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         | 7247                                                                                              | ANSI ONLY |                          |      | SPS             |                    | UA         |
| 2729                                                                                                   | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | <b>Qingdao Apis Glass Industries Co. Ltd. ; Shandong, China</b>                                   |           |                          |      |                 |                    |            |
| 2733                                                                                                   | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 6883                                                                                              | COMPOSITE | 1/4                      |      | 6.0TTG          |                    | UA         |
| 2731                                                                                                   | COMPOSITE | 5/8                      |      | 16.0TTG          |                    | UA         | 6884                                                                                              | COMPOSITE | 3/8                      |      | 10.0TTG         |                    | UA         |
| 2734                                                                                                   | COMPOSITE | 3/4                      |      | 19.0TTG          |                    | UA         | 6885                                                                                              | COMPOSITE | 1/2                      |      | 12.0TTG         |                    | UA         |
| 4413                                                                                                   | COMPOSITE | (S)                      |      | 6LTG (ip)(A)     | (.035)             | UA         | <b>Qingdao Ideal Building Material Co. Ltd. ; Qingdao, Shandong</b>                               |           |                          |      |                 |                    |            |
| 4375                                                                                                   | COMPOSITE | (S)                      |      | 6LTG (b)(A)      | (.030)             | UA         | 6776                                                                                              | COMPOSITE | 1/8                      |      | 3.0TTG          |                    | UA         |
| 4414                                                                                                   | COMPOSITE | (H)                      |      | 8-16+LTG (ip)(A) | (.035)             | UA         | 6777                                                                                              | COMPOSITE | 5/32                     |      | 4.0TTG          |                    | UA         |
| 4376                                                                                                   | COMPOSITE | (H)                      |      | 8-16+LTG (b)(A)  | (.030)             | UA         | <b>Qingdao Jinjing Co., Ltd. ; Qingdao City, Shandong China</b>                                   |           |                          |      |                 |                    |            |
| <b>PRL Glass Systems ; City of Industry, CA</b>                                                        |           |                          |      |                  |                    |            | 5613                                                                                              | COMP+CAN  | 1/8                      |      | 3.0TTG          |                    | UA         |
| 6508                                                                                                   | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 5617                                                                                              | COMP+CAN  | 5/32                     |      | 4.0TTG          |                    | UA         |
| 5605                                                                                                   | COMPOSITE | (H)                      |      | 8-16+LTG (b)(A)  | (.030)             | UA         | 6198                                                                                              | COMP+CAN  | 1/4                      |      | 6.0TTG          |                    | UA         |
| <b>Procesadora De Jalisco S.A. DE C.V. - Queretaro ; San Juan del Rio, Queretaro</b>                   |           |                          |      |                  |                    |            | 6199                                                                                              | COMP+CAN  | 3/8                      |      | 10.0TTG         |                    | UA         |
| 6716                                                                                                   | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | <b>Qingdao Laurel Glass Technology Co., Ltd ; Qingdao City, China</b>                             |           |                          |      |                 |                    |            |
| 6717                                                                                                   | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 7125                                                                                              | COMPOSITE | 1/8                      |      | 3.0TTG          |                    | UA         |
| <b>Procesadora de Jalisco, S.A. DE C.V. ; Zapopan, Mexico</b>                                          |           |                          |      |                  |                    |            | 7110                                                                                              | COMP+CAN  | 5/32                     |      | 4.0TTG          |                    | UA         |
| 6718                                                                                                   | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 7127                                                                                              | COMPOSITE | 3/16                     |      | 5.0TTG          |                    | UA         |
| 6719                                                                                                   | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 6779                                                                                              | COMP+CAN  | 5/16                     |      | 8.0TTG          |                    | UA         |
| 6720                                                                                                   | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 7126                                                                                              | COMPOSITE | 3/8                      |      | 10.0TTG         |                    | UA         |
| 6722                                                                                                   | COMPOSITE | (H)                      |      | 12LTG (b)(A)     | (.060)             | UA         | 6781                                                                                              | COMP+CAN  | 1/2                      |      | 12.0TTG         |                    | UA         |
| 6721                                                                                                   | COMPOSITE | (H)                      |      | 12LTG (ip)(A)    | (.060)             | UA         | 7210                                                                                              | COMP+CAN  | (S)                      |      | 6LTG (b)(A)     | (.030)             | UA         |
| <b>Productora y Distribuidora de Espejos S.A. de C.V. ; Pesqueria, Nuevo Leon</b>                      |           |                          |      |                  |                    |            | <b>Qingdao Oriental Brother New Energy Technology Co., Ltd. ; Qingdao City, Shandong Province</b> |           |                          |      |                 |                    |            |
| 6517                                                                                                   | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 7223                                                                                              | COMP+CAN  | 5/16                     |      | 8.0TTG          |                    | UA         |
| 6518                                                                                                   | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 7224                                                                                              | COMP+CAN  | 3/8                      |      | 10.0TTG         |                    | UA         |
| <b>Productos De Valor Agregado en Cristal S.A. de C.V. ; San Juan Ixhuatepec, Tlalnepantla, Mexico</b> |           |                          |      |                  |                    |            | <b>Qinhuangdao Ampac Building Products Co., Ltd. ; Qinhuangdao Hebei, China</b>                   |           |                          |      |                 |                    |            |
| 4639                                                                                                   | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 5899                                                                                              | COMPOSITE | 1/8                      |      | 3.0TTG          |                    | UA         |
| 4645                                                                                                   | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 5900                                                                                              | COMPOSITE | 5/32                     |      | 4.0TTG          |                    | UA         |
| 4788                                                                                                   | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         | 5901                                                                                              | COMPOSITE | 3/16                     |      | 5.0TTG          |                    | UA         |
| 4640                                                                                                   | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 5902                                                                                              | COMPOSITE | 5/32                     |      | 4.0TPG (s)      |                    | UA         |
| 4641                                                                                                   | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 5903                                                                                              | COMPOSITE | 3/16                     |      | 5.0TPG (s)      |                    | UA         |
| 4642                                                                                                   | COMPOSITE | 3/4                      |      | 19.0TTG          |                    | UA         | <b>Qinhuangdao Boye Glass Co., Ltd. ; Qinhuangdao, Hebei</b>                                      |           |                          |      |                 |                    |            |
| <b>Produits Verrier International Inc. ; Montreal, Quebec</b>                                          |           |                          |      |                  |                    |            | 6986                                                                                              | COMPOSITE | 1/8                      |      | 3.0TTG          |                    | UA         |
| 5498                                                                                                   | COMP+CAN  | 1/8                      |      | 3.0TTG           |                    | UA         | <b>Qinhuangdao Jingxin Glass Co., Ltd. ; Qinhuangdao City, Hebei Province</b>                     |           |                          |      |                 |                    |            |
| 5499                                                                                                   | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         | 5280                                                                                              | COMPOSITE | 1/8                      |      | 3.0TTG          |                    | UA         |
| 5500                                                                                                   | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         |                                                                                                   |           |                          |      |                 |                    |            |
| 5501                                                                                                   | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         |                                                                                                   |           |                          |      |                 |                    |            |
| 5502                                                                                                   | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         |                                                                                                   |           |                          |      |                 |                    |            |
| 5503                                                                                                   | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         |                                                                                                   |           |                          |      |                 |                    |            |
| 5504                                                                                                   | COMP+CAN  | 1/8                      |      | 3.0TPG (s)       |                    | UA         |                                                                                                   |           |                          |      |                 |                    |            |
| 5505                                                                                                   | COMP+CAN  | 3/16                     |      | 5.0TPG (s)       |                    | UA         |                                                                                                   |           |                          |      |                 |                    |            |

## Certified Products-Alphabetical By Plant

| SGCC#                                                                                        | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                       | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE              | MAX SIZE CERTIFIED | ANSI CLASS |
|----------------------------------------------------------------------------------------------|-----------|--------------------------|------|------------------|--------------------|------------|-----------------------------------------------------------------------------|-----------|--------------------------|------|-------------------|--------------------|------------|
| <b>Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd ; Qinhuangdao, Hebei, China</b> |           |                          |      |                  |                    |            | <b>Reem Emirates Aluminum &amp; Glass ; Abu Dhabi, United Arab Emirates</b> |           |                          |      |                   |                    |            |
| 6313                                                                                         | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 4675                                                                        | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         |
| 5129                                                                                         | COMP+CAN  | *                        |      | 12.0TTG (4)      |                    | UA         | 4676                                                                        | COMPOSITE | 5/16                     |      | 8.0TTG            |                    | UA         |
| 5130                                                                                         | COMP+CAN  | *                        |      | 15.0TTG (4)      |                    | UA         | 4677                                                                        | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         |
| <b>Qinhuangdao Qicaishi Glass Processing Co., Ltd. ; Qinhuangdao, Hebei, China</b>           |           |                          |      |                  |                    |            | 6971                                                                        | COMPOSITE | (H)                      |      | 16LTG (b)(A)      | (.060)             | UA         |
| 5141                                                                                         | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | <b>Right Away Glass, Inc. ; Naples, FL</b>                                  |           |                          |      |                   |                    |            |
| <b>Qinhuangdao Rongsheng Glass Processing Co., Ltd. ; Qinhuangdao, Hebei, China</b>          |           |                          |      |                  |                    |            | 6513                                                                        | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         |
| 7259                                                                                         | COMPOSITE | (S)                      |      | LTG (b)(A)       | (.030)             | UA         | 6514                                                                        | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         |
| <b>QinHuangDao Tianrui Tempered Technology Glass Co. ; Qinhuangdao, Hebei, China</b>         |           |                          |      |                  |                    |            | 6515                                                                        | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         |
| 3690                                                                                         | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | <b>Rizhao Huaye Glass Co., Ltd. ; Rizhao, Shandong</b>                      |           |                          |      |                   |                    |            |
| <b>Quaker Window Products, Inc. ; Freeburg, MO</b>                                           |           |                          |      |                  |                    |            | 5566                                                                        | COMP+CAN  | 5/32                     |      | 4.0TTG            |                    | UA         |
| 2985                                                                                         | COMP+CAN  | 1/8                      |      | 3.0TTG           |                    | UA         | 5567                                                                        | COMP+CAN  | 3/16                     |      | 5.0TTG            |                    | UA         |
| 5297                                                                                         | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         | 5568                                                                        | COMP+CAN  | 1/4                      |      | 6.0TTG            |                    | UA         |
| 2986                                                                                         | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         | 5569                                                                        | COMP+CAN  | 5/16                     |      | 8.0TTG            |                    | UA         |
| 3485                                                                                         | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 5570                                                                        | COMP+CAN  | 3/8                      |      | 10.0TTG           |                    | UA         |
| 2968                                                                                         | COMP+CAN  | 1/8                      |      | 3.0TPG (m)       |                    | UA         | 5571                                                                        | COMP+CAN  | 1/2                      |      | 12.0TTG           |                    | UA         |
| 2969                                                                                         | COMP+CAN  | 5/32                     |      | 4.0TPG (IN)(m)   |                    | UA         | 5572                                                                        | COMP+CAN  | *                        |      | 15.0TTG (4)       |                    | UA         |
| 3486                                                                                         | COMP+CAN  | 3/16                     |      | 5.0TPG (m)       |                    | UA         | 5580                                                                        | COMP+CAN  | (S)                      |      | 6LTG (b)(A)       | (.015)             | UB         |
| 2970                                                                                         | COMP+CAN  | 1/4                      |      | 6.0TPG (IN)(m)   |                    | UA         | 5581                                                                        | COMP+CAN  | (H)                      |      | 8-16LTG (b)(A)    | (.015)             | UB         |
| <b>Quality Enclosures ; Central Islip, NY</b>                                                |           |                          |      |                  |                    |            | <b>Robover Inc. ; Quebec City, QC</b>                                       |           |                          |      |                   |                    |            |
| 6440                                                                                         | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         | 5199                                                                        | COMP+CAN  | 1/8                      |      | 3.0TTG            |                    | UA         |
| 6441                                                                                         | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 5200                                                                        | COMP+CAN  | 5/32                     |      | 4.0TTG            |                    | UA         |
| 6442                                                                                         | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         | 5201                                                                        | COMP+CAN  | 3/16                     |      | 5.0TTG            |                    | UA         |
| 6443                                                                                         | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         | 5202                                                                        | COMP+CAN  | 1/4                      |      | 6.0TTG            |                    | UA         |
| 6444                                                                                         | COMP+CAN  | 3/16                     |      | 5.0TPG (s)       |                    | UA         | 5763                                                                        | COMP+CAN  | 3/8                      |      | 10.0TTG           |                    | UA         |
| 6445                                                                                         | COMP+CAN  | 1/4                      |      | 6.0TPG (m)       |                    | UA         | 5764                                                                        | COMP+CAN  | 1/2                      |      | 12.0TTG           |                    | UA         |
| 6446                                                                                         | COMP+CAN  | 3/8                      |      | 10.0TPG (m)      |                    | UA         | <b>Rohden Vidros LTDA ; Taio, Santa Catarina, Brazil</b>                    |           |                          |      |                   |                    |            |
| <b>Quality Enclosures Tempering, Inc. ; Port Orange, FL</b>                                  |           |                          |      |                  |                    |            | 7249                                                                        | COMPOSITE | 5/32                     |      | 4.0TTG            |                    | UA         |
| 6243                                                                                         | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | <b>S.F. Tempering ; Dania Beach, FL</b>                                     |           |                          |      |                   |                    |            |
| 6244                                                                                         | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 5452                                                                        | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         |
| 6245                                                                                         | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 5019                                                                        | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         |
| 6246                                                                                         | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 5020                                                                        | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         |
| 6247                                                                                         | COMPOSITE | 3/16                     |      | 5.0TPG (m)       |                    | UA         | 5021                                                                        | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         |
| 6248                                                                                         | COMPOSITE | 1/4                      |      | 6.0TPG (s)       |                    | UA         | 6694                                                                        | COMPOSITE | (S)                      |      | 6LTG (ev)(A)      | (.015)             | UB         |
| 6249                                                                                         | COMPOSITE | 3/8                      |      | 10.0TPG (s)      |                    | UA         | 6695                                                                        | COMPOSITE | (H)                      |      | 12-16+LTG (ev)(A) | (.015)             | UB         |
| <b>Quality Glass &amp; Mirror, Inc. ; Mount Prospect, IL</b>                                 |           |                          |      |                  |                    |            | <b>SAAND London ; London, ON</b>                                            |           |                          |      |                   |                    |            |
| 2981                                                                                         | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 3978                                                                        | COMP+CAN  | 1/8                      |      | 3.0TTG            |                    | UA         |
| 2982                                                                                         | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 4278                                                                        | COMP+CAN  | 5/32                     |      | 4.0TTG            |                    | UA         |
| 2983                                                                                         | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 3979                                                                        | COMP+CAN  | 3/16                     |      | 5.0TTG            |                    | UA         |
| 2984                                                                                         | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 3980                                                                        | COMP+CAN  | 1/4                      |      | 6.0TTG            |                    | UA         |
| 3805                                                                                         | COMPOSITE | 3/4                      |      | 19.0TTG          |                    | UA         | 3981                                                                        | COMP+CAN  | 3/8                      |      | 10.0TTG           |                    | UA         |
| <b>Quest Window Systems ; Mississauga, ON</b>                                                |           |                          |      |                  |                    |            | <b>SAAND Ottawa ; Stittsville, ON</b>                                       |           |                          |      |                   |                    |            |
| 5719                                                                                         | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 4949                                                                        | COMP+CAN  | 1/8                      |      | 3.0TTG            |                    | UA         |
| <b>Ready Glass &amp; Mirror, Inc. ; Hialeah, FL</b>                                          |           |                          |      |                  |                    |            | 4950                                                                        | COMP+CAN  | 5/32                     |      | 4.0TTG            |                    | UA         |
| 3745                                                                                         | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 4951                                                                        | COMP+CAN  | 3/16                     |      | 5.0TTG            |                    | UA         |
| 3746                                                                                         | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 4952                                                                        | COMP+CAN  | 1/4                      |      | 6.0TTG            |                    | UA         |
| 3747                                                                                         | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 4953                                                                        | COMP+CAN  | 3/8                      |      | 10.0TTG           |                    | UA         |
| 3748                                                                                         | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 4954                                                                        | COMP+CAN  | 1/2                      |      | 12.0TTG           |                    | UA         |
| 5634                                                                                         | COMPOSITE | (H)                      |      | 8-16+LTG (ip)(A) | (.035)             | UA         |                                                                             |           |                          |      |                   |                    |            |
| 7013                                                                                         | COMPOSITE | (H)                      |      | 8-12LTG (b)(A)   | (.015)             | UA         |                                                                             |           |                          |      |                   |                    |            |

## Certified Products-Alphabetical By Plant

| SGCC#                                                                        | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE            | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                 | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|------------------------------------------------------------------------------|-----------|--------------------------------|------|-----------------|-----------------------|---------------|-----------------------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|
| <b>SAAND Rexdale ; Rexdale, ON</b>                                           |           |                                |      |                 |                       |               | <b>SCHOTT Gemtron (Canada) Corporation ; Midland, ON<br/>Canada</b>   |           |                                |      |                   |                       |               |
| 4995                                                                         | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            | 3067                                                                  | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            |
| 4996                                                                         | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            | 3659                                                                  | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 4997                                                                         | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            | 3636                                                                  | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 4998                                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            | 3637                                                                  | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 4999                                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            | 6020                                                                  | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 5000                                                                         | COMP+CAN  | 1/2                            |      | 12.0TTG         |                       | UA            | 6021                                                                  | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5001                                                                         | COMP+CAN  | (S)                            |      | 6LTG (b)(A)     | (.030)                | UA            | <b>Selective Shower Glass ; Hialeah, FL</b>                           |           |                                |      |                   |                       |               |
| 5002                                                                         | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A) | (.030)                | UA            | 6687                                                                  | COMPOSITE | (H)                            |      | 12-16+LTG (ip)(A) | (.060)                | UA            |
| <b>SAAND Toronto Inc. ; Toronto, ON</b>                                      |           |                                |      |                 |                       |               | <b>Sfera SRL ; Meolo (VE), Italy</b>                                  |           |                                |      |                   |                       |               |
| 2481                                                                         | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            | 6079                                                                  | COMP+CAN  | 1/4                            |      | 6.0TBG            |                       | UA            |
| 2482                                                                         | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            | <b>SG Glass Industries L.L.C. ; Miami Gardens, FL</b>                 |           |                                |      |                   |                       |               |
| 3023                                                                         | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            | 6692                                                                  | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 2484                                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            | 6359                                                                  | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 4356                                                                         | COMP+CAN  | 5/16                           |      | 8.0TTG          |                       | UA            | 6360                                                                  | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 4357                                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            | 6361                                                                  | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 4358                                                                         | COMP+CAN  | 1/2                            |      | 12.0TTG         |                       | UA            | 6362                                                                  | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| <b>SAGE Electrochromics Inc. ; Faribault, MN</b>                             |           |                                |      |                 |                       |               | 6363                                                                  | COMP+CAN  | 3/4                            |      | 19.0TTG           |                       | UA            |
| 7003                                                                         | COMP+CAN  | (S)                            |      | 6LTG (ip)(A)    | (.035)                | UA            | 6357                                                                  | COMP+CAN  | 1/4                            |      | 6.0TBG            |                       | UA            |
| 5016                                                                         | COMP+CAN  | (H)                            |      | 8-12LTG (ip)(A) | (.035)                | UA            | 6358                                                                  | COMP+CAN  | 3/8                            |      | 10.0TBG           |                       | UA            |
| <b>Saint Gobain Mexico, S.A. de C.V. ; Cuautla, Morelos,<br/>Mexico</b>      |           |                                |      |                 |                       |               | 7111                                                                  | COMP+CAN  | 1/2                            |      | 12.0TBG           |                       | UA            |
| 5907                                                                         | COMPOSITE | (S)                            |      | 6LTG (b)(A)     | (.030)                | UA            | 6693                                                                  | COMP+CAN  | (H)                            |      | 10-12LTG (ip)(A)  | (.035)                | UA            |
| 5905                                                                         | COMPOSITE | (S)                            |      | 6LTG (b)(A)     | (.015)                | UB            | 7112                                                                  | COMP+CAN  | (H)                            |      | 16+LTG (ip)(A)    | (.060)                | UA            |
| 5908                                                                         | COMPOSITE | (H)                            |      | 8LTG (b)(A)     | (.030)                | UA            | <b>Shandong Kingtom Glass Co., Ltd. ; Qingdao, Shandong<br/>China</b> |           |                                |      |                   |                       |               |
| 5906                                                                         | COMPOSITE | (H)                            |      | 8LTG (b)(A)     | (.015)                | UB            | 6460                                                                  | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5909                                                                         | COMPOSITE | (H)                            |      | 10-12LTG (b)(A) | (.090)                | UA            | 6461                                                                  | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| <b>Saint-Gobain Glassolutions Objekt-Center GmbH ;<br/>Radeburg, Germany</b> |           |                                |      |                 |                       |               | 6462                                                                  | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 6913                                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            | 6463                                                                  | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 6914                                                                         | COMP+CAN  | 5/16                           |      | 8.0TTG          |                       | UA            | <b>Shanghai Hangqi Glass Co., LTD. ; Shanghai, China</b>              |           |                                |      |                   |                       |               |
| 6915                                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            | 6880                                                                  | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 6800                                                                         | COMP+CAN  | (H)                            |      | 12LTG (b)(A)    | (.030)                | UA            | 6881                                                                  | COMPOSITE | 3/4                            |      | 19.0TTG           |                       | UA            |
| 6801                                                                         | COMP+CAN  | (H)                            |      | 16+LTG (b)(A)   | (.060)                | UA            | 6844                                                                  | COMPOSITE | (H)                            |      | 16+LTG (b)(A)     | (.060)                | UA            |
| <b>Sapphire Glass Systems Inc. ; Sterling, VA</b>                            |           |                                |      |                 |                       |               | <b>Shanghai SYP Engineering Glass ; Shanghai, China</b>               |           |                                |      |                   |                       |               |
| 7263                                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            | 4067                                                                  | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 7264                                                                         | COMP+CAN  | 3/8                            |      | 10.0TTG         |                       | UA            | 4068                                                                  | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 7265                                                                         | COMP+CAN  | *                              |      | 12.0TTG (4)     |                       | UA            | 4069                                                                  | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| <b>Saudi American Glass Company ; Riyadh, Saudi Arabia</b>                   |           |                                |      |                 |                       |               | 4070                                                                  | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 6192                                                                         | COMPOSITE | 1/4                            |      | 6.0TTG          |                       | UA            | 4071                                                                  | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 6193                                                                         | COMPOSITE | 5/16                           |      | 8.0TTG          |                       | UA            | 4072                                                                  | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| 6747                                                                         | COMPOSITE | 3/8                            |      | 10.0TTG         |                       | UA            | 4073                                                                  | COMP+CAN  | *                              |      | 15.0TTG (4)       |                       | UA            |
| 6748                                                                         | COMPOSITE | *                              |      | 12.0TTG (4)     |                       | UA            | 4074                                                                  | COMP+CAN  | 3/4                            |      | 19.0TTG           |                       | UA            |
| 6749                                                                         | COMPOSITE | (H)                            |      | 8LTG (b)(A)     | (.030)                | UA            | 6988                                                                  | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            |
| 6750                                                                         | COMPOSITE | (H)                            |      | 10LTG (b)(A)    | (.060)                | UA            | 6987                                                                  | COMP+CAN  | (H)                            |      | 10-16+LTG (b)(A)  | (.015)                | UB            |
| <b>SCHOTT Gemtron - Sweetwater ; Sweetwater, TN</b>                          |           |                                |      |                 |                       |               | 7129                                                                  | COMP+CAN  | (H)                            |      | 12-16+LTG (ip)(A) | (.035)                | UA            |
| 1334                                                                         | COMP+CAN  | 1/8                            |      | 3.0TTG          |                       | UA            | <b>Shanghai Zhenzhen Glassware Co., LTD. ; Shanghai,<br/>China</b>    |           |                                |      |                   |                       |               |
| 1332                                                                         | COMP+CAN  | 5/32                           |      | 4.0TTG          |                       | UA            | 6125                                                                  | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 1201                                                                         | COMP+CAN  | 3/16                           |      | 5.0TTG          |                       | UA            | 6126                                                                  | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 1477                                                                         | COMP+CAN  | 1/4                            |      | 6.0TTG          |                       | UA            |                                                                       |           |                                |      |                   |                       |               |
| 1422                                                                         | COMP+CAN  | 1/8                            |      | 3.0TPG (s)      |                       | UA            |                                                                       |           |                                |      |                   |                       |               |
| 1424                                                                         | COMP+CAN  | 5/32                           |      | 4.0TPG (s)      |                       | UA            |                                                                       |           |                                |      |                   |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                     | TEST STD  | INCHES (MM)       | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                       | TEST STD  | INCHES (MM)       | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS |
|---------------------------------------------------------------------------|-----------|-------------------|------------------|--------------------|------------|-------------------------------------------------------------|-----------|-------------------|------------------|--------------------|------------|
|                                                                           |           | (THICKNESS CLASS) |                  |                    |            |                                                             |           | (THICKNESS CLASS) |                  |                    |            |
| <b>Shape Products LLC. ; Sarasota, FL</b>                                 |           |                   |                  |                    |            | <b>Simonton Windows ; Paris, IL</b>                         |           |                   |                  |                    |            |
| 6502                                                                      | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         | 4979                                                        | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         |
| 6503                                                                      | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 4978                                                        | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         |
| 6504                                                                      | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | <b>Sky Land Tempering Glass Corp ; Long Island City, NY</b> |           |                   |                  |                    |            |
| 6505                                                                      | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 5467                                                        | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         |
| 6506                                                                      | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         | 5468                                                        | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         |
| 6507                                                                      | COMPOSITE | 3/16              | 5.0TPG (s)       |                    | UA         | 5469                                                        | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         |
| 6947                                                                      | COMPOSITE | 3/8               | 10.0TPG (s)      |                    | UA         | 5470                                                        | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         |
| <b>Shenzhen Sun Global Glass Co., Limited ; Shenzhen, Guangdong</b>       |           |                   |                  |                    |            | <b>Skyline Design ; Chicago, IL</b>                         |           |                   |                  |                    |            |
| 6970                                                                      | COMP+CAN  | (H)               | 8-10LTG (b)(A)   | (.060)             | UA         | 6340                                                        | COMP+CAN  | 1/4               | 6.0TTG           |                    | UA         |
| <b>Shixing Glass (Fujian) Co., Ltd. ; Xingtai City, Hebei Province</b>    |           |                   |                  |                    |            | 6343                                                        | COMP+CAN  | 1/2               | 12.0TTG          |                    | UA         |
| 6488                                                                      | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 6347                                                        | COMP+CAN  | 1/4               | 6.0TPG (s)       |                    | UA         |
| 6489                                                                      | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         | 6350                                                        | COMP+CAN  | 1/2               | 12.0TPG (s)      |                    | UA         |
| 6490                                                                      | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | <b>Solar Seal Massachusetts ; South Easton, MA</b>          |           |                   |                  |                    |            |
| <b>Shower Doors &amp; More Inc. ; Fort Lauderdale, FL</b>                 |           |                   |                  |                    |            | 3001                                                        | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         |
| 5756                                                                      | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 1871                                                        | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         |
| 5757                                                                      | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 1035                                                        | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         |
| 5758                                                                      | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 1036                                                        | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         |
| 5759                                                                      | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         | 1037                                                        | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         |
| <b>Sichuan CSG Energy Conservation Glass Co., Ltd. ; Chengdu, Sichuan</b> |           |                   |                  |                    |            | 5527                                                        | COMPOSITE | 3/4               | 19.0TTG          |                    | UA         |
| 7050                                                                      | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 1939                                                        | COMPOSITE | 3/16              | 5.0TPG (s)       |                    | UA         |
| 7051                                                                      | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | <b>Solar Seal Virginia ; Stafford, VA</b>                   |           |                   |                  |                    |            |
| 7052                                                                      | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         | 5723                                                        | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         |
| 7053                                                                      | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 5724                                                        | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         |
| 7054                                                                      | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         | 5725                                                        | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         |
| 7055                                                                      | COMPOSITE | *                 | 15.0TTG (4)      |                    | UA         | 5726                                                        | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         |
| 7056                                                                      | COMPOSITE | (H)               | 10-16+LTG (b)(A) | (.030)             | UA         | 6328                                                        | COMPOSITE | 3/16              | 5.0TPG (s)       |                    | UA         |
| <b>Sierra Glass Distributors ; Sparks, NV</b>                             |           |                   |                  |                    |            | <b>South Bay Showers, Inc. ; Santa Clara, CA</b>            |           |                   |                  |                    |            |
| 6182                                                                      | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         | 7252                                                        | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         |
| 6186                                                                      | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 7253                                                        | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         |
| <b>SIGCO, Inc. ; Westbrook, ME</b>                                        |           |                   |                  |                    |            | 6927                                                        | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         |
| 2961                                                                      | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         | 6928                                                        | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         |
| 2962                                                                      | COMPOSITE | 5/32              | 4.0TTG           |                    | UA         | 7254                                                        | COMPOSITE | 3/8               | 10.0TPG (s)      |                    | UA         |
| 2963                                                                      | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | <b>Standard Bent Glass ; East Butler, PA</b>                |           |                   |                  |                    |            |
| 2964                                                                      | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         | 6300                                                        | COMP+CAN  | 3/16              | 5.0TTG           |                    | UA         |
| 5213                                                                      | COMPOSITE | 5/16              | 8.0TTG           |                    | UA         | 6301                                                        | COMP+CAN  | 1/4               | 6.0TTG           |                    | UA         |
| 2965                                                                      | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         | 6302                                                        | COMP+CAN  | 5/16              | 8.0TTG           |                    | UA         |
| 2966                                                                      | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         | 6303                                                        | COMP+CAN  | 3/8               | 10.0TTG          |                    | UA         |
| 4326                                                                      | COMPOSITE | 5/8               | 16.0TTG          |                    | UA         | 6304                                                        | COMP+CAN  | 1/2               | 12.0TTG          |                    | UA         |
| 4327                                                                      | COMPOSITE | 3/4               | 19.0TTG          |                    | UA         | 6153                                                        | COMP+CAN  | 1/4               | 6.0TBG           |                    | UA         |
| 2967                                                                      | COMPOSITE | 5/32              | 4.0TPG (s)       |                    | UA         | 6154                                                        | COMP+CAN  | 5/16              | 8.0TBG           |                    | UA         |
| 3028                                                                      | COMPOSITE | 3/16              | 5.0TPG (m)       |                    | UA         | 6155                                                        | COMP+CAN  | 3/8               | 10.0TBG          |                    | UA         |
| 4206                                                                      | COMPOSITE | 3/8               | 10.0TPG (s)      |                    | UA         | 6156                                                        | COMP+CAN  | 1/2               | 12.0TBG          |                    | UA         |
| 6012                                                                      | COMP+CAN  | (S)               | 6LTG (b)(A)      | (.030)             | UA         | 6305                                                        | COMP+CAN  | (S)               | 6LTG (b)(A)      | (.030)             | UA         |
| 6014                                                                      | COMP+CAN  | (H)               | 8-16+LTG (ip)(A) | (.060)             | UA         | 6306                                                        | COMP+CAN  | (H)               | 10-16+LTG (b)(A) | (.030)             | UA         |
| 6013                                                                      | COMP+CAN  | (H)               | 8-16+LTG (b)(A)  | (.030)             | UA         | <b>Stargrup Cam A.S. ; Arnavutkoy, Istanbul</b>             |           |                   |                  |                    |            |
| <b>Simonton Windows ; Ellenboro, WV</b>                                   |           |                   |                  |                    |            | 6204                                                        | COMPOSITE | 1/4               | 6.0TTG           |                    | UA         |
| 2887                                                                      | COMPOSITE | 1/8               | 3.0TTG           |                    | UA         | 6205                                                        | COMPOSITE | 3/8               | 10.0TTG          |                    | UA         |
| 2888                                                                      | COMPOSITE | 3/16              | 5.0TTG           |                    | UA         | 6206                                                        | COMPOSITE | 1/2               | 12.0TTG          |                    | UA         |
| 5296                                                                      | COMPOSITE | 1/8               | 3.0TPG (s)       |                    | UA         | 6208                                                        | COMPOSITE | (H)               | 12-16+LTG (b)(A) | (.060)             | UA         |
|                                                                           |           |                   |                  |                    |            | 6207                                                        | COMPOSITE | (H)               | 12-16+LTG (b)(A) | (.030)             | UA         |
|                                                                           |           |                   |                  |                    |            | <b>Sterling Mirror Company, LLC ; Stevensville, MD</b>      |           |                   |                  |                    |            |
|                                                                           |           |                   |                  |                    |            | 6183                                                        | COMP+CAN  | 1/4               | 6.0TTG (IN)      |                    | UA         |
|                                                                           |           |                   |                  |                    |            | 6184                                                        | COMP+CAN  | 3/8               | 10.0TTG (IN)     |                    | UA         |
|                                                                           |           |                   |                  |                    |            | 6185                                                        | COMP+CAN  | 1/2               | 12.0TTG (IN)     |                    | UA         |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                    | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                                       | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS |
|--------------------------------------------------------------------------|-----------|--------------------------|------|------------------|--------------------|------------|---------------------------------------------------------------------------------------------|-----------|--------------------------|------|------------------|--------------------|------------|
| <b>Strong Tempering Glass Industry LLC ; Brooklyn, NY</b>                |           |                          |      |                  |                    |            | <b>Taiwan Glass Industry Corp. ; Taipei, Taiwan, China</b>                                  |           |                          |      |                  |                    |            |
| 5939                                                                     | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 3886                                                                                        | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         |
| 5940                                                                     | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 3887                                                                                        | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         |
| 5941                                                                     | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 3888                                                                                        | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         |
| 6746                                                                     | COMPOSITE | 3/4                      |      | 19.0TTG          |                    | UA         | 3889                                                                                        | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         |
| <b>Sunfire Glass, Inc. ; Medley, FL</b>                                  |           |                          |      |                  |                    |            | 3890                                                                                        | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         |
| 7035                                                                     | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | 3891                                                                                        | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         |
| 7036                                                                     | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 5490                                                                                        | COMP+CAN  | (S)                      |      | 6LTG (b)(A)      | (.030)             | UA         |
| 7033                                                                     | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 3893                                                                                        | COMP+CAN  | (H)                      |      | 12LTG (b)(A)     | (.030)             | UA         |
| 7037                                                                     | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | <b>Tangshan Qimingxing Glass Deep-processing Co., Ltd. ; Tangshang City, Hebei Province</b> |           |                          |      |                  |                    |            |
| 7038                                                                     | COMPOSITE | 3/16                     |      | 5.0TPG (s)       |                    | UA         | 7279                                                                                        | COMPOSITE | 5/32                     |      | 4.0TTG           |                    | UA         |
| <b>Swift Glass Co., Inc. ; Elmira Heights, NY</b>                        |           |                          |      |                  |                    |            | <b>Techni-Glass, Inc. ; Surgoinsville, TN</b>                                               |           |                          |      |                  |                    |            |
| 1555                                                                     | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | 2547                                                                                        | COMP+CAN  | 1/8                      |      | 3.0TTG           |                    | UA         |
| 1556                                                                     | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 2548                                                                                        | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         |
| 1557                                                                     | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 2549                                                                                        | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         |
| 1558                                                                     | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 2975                                                                                        | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         |
| 1559                                                                     | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 3062                                                                                        | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         |
| <b>Syracuse Glass Co., Inc. ; Syracuse, NY</b>                           |           |                          |      |                  |                    |            | 4509                                                                                        | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         |
| 2654                                                                     | COMP+CAN  | 1/8                      |      | 3.0TTG           |                    | UA         | 4510                                                                                        | COMP+CAN  | 5/8                      |      | 16.0TTG          |                    | UA         |
| 2957                                                                     | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         | 3061                                                                                        | COMP+CAN  | 1/8                      |      | 3.0TPG (m)       |                    | UA         |
| 2656                                                                     | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 5050                                                                                        | COMP+CAN  | 5/32                     |      | 4.0TPG (m)       |                    | UA         |
| 2958                                                                     | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         | 2550                                                                                        | COMP+CAN  | 3/16                     |      | 5.0TPG (m)       |                    | UA         |
| 2657                                                                     | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         | 3060                                                                                        | COMP+CAN  | 1/4                      |      | 6.0TPG (m)       |                    | UA         |
| 6391                                                                     | COMP+CAN  | (S)                      |      | 6LTG (b)(A)      | (.030)             | UA         | <b>Tecnoglass S.A. ; Barranquilla, Colombia</b>                                             |           |                          |      |                  |                    |            |
| 6393                                                                     | COMP+CAN  | (H)                      |      | 8-16+LTG (ip)(A) | (.060)             | UA         | 2133                                                                                        | COMP+CAN  | 1/8                      |      | 3.0TTG           |                    | UA         |
| 6392                                                                     | COMP+CAN  | (H)                      |      | 8-16+LTG (b)(A)  | (.030)             | UA         | 2287                                                                                        | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         |
| <b>Tacoma Glass Mfg. Inc. ; Burlington, WA</b>                           |           |                          |      |                  |                    |            | 1993                                                                                        | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         |
| 5165                                                                     | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 1994                                                                                        | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         |
| 5166                                                                     | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 2134                                                                                        | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         |
| 5167                                                                     | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 1995                                                                                        | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         |
| <b>Tacoma Glass Mfg. Inc. ; Lakewood, WA</b>                             |           |                          |      |                  |                    |            | 2135                                                                                        | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         |
| 4730                                                                     | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 2365                                                                                        | COMP+CAN  | 5/8                      |      | 16.0TTG          |                    | UA         |
| 4731                                                                     | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 2894                                                                                        | COMP+CAN  | 3/4                      |      | 19.0TTG          |                    | UA         |
| 4732                                                                     | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 4003                                                                                        | COMP+CAN  | (H)                      |      | 8-16+LTG (b)(A)  | (.030)             | UA         |
| 5112                                                                     | COMPOSITE | (S)                      |      | 6LTG (b)(A)      | (.030)             | UA         | <b>Tecnovidrio S.A. de C.V. ; Colonia Granjas Mexico, Delegacion Iztacalco</b>              |           |                          |      |                  |                    |            |
| 4735                                                                     | COMPOSITE | (H)                      |      | 8-12LTG (b)(A)   | (.030)             | UA         | 7256                                                                                        | COMP+CAN  | (H)                      |      | 8-16+LTG (ip)(A) | (.035)             | UA         |
| <b>Tai Shan City Da Heng Art Glass Ltd. ; Tai Shan, Guangdong, China</b> |           |                          |      |                  |                    |            | 7257                                                                                        | COMP+CAN  | (H)                      |      | 12-16+LTG (b)(A) | (.015)             | UA         |
| 3787                                                                     | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | <b>TEMCOR S. DE RL DE CV ; Santa Catarina N.L., Mexico</b>                                  |           |                          |      |                  |                    |            |
| <b>Tai Sheng (Dong Guan) Glass Co.,Ltd ; Dongguan, Guangdong, China</b>  |           |                          |      |                  |                    |            | 6981                                                                                        | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         |
| 6140                                                                     | COMP+CAN  | 1/8                      |      | 3.0TTG           |                    | UA         | 6982                                                                                        | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         |
| 4870                                                                     | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         | 6983                                                                                        | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         |
| 5487                                                                     | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         | <b>Temp Glass Inc. ; El Paso, TX</b>                                                        |           |                          |      |                  |                    |            |
| 4872                                                                     | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 6698                                                                                        | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         |
| 4873                                                                     | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         | 6699                                                                                        | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         |
| 5486                                                                     | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         | 6700                                                                                        | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         |
| 5604                                                                     | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         | 6701                                                                                        | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         |
| 6141                                                                     | COMP+CAN  | 1/8                      |      | 3.0TPG (s)       |                    | UA         | <b>Tempco Glass ; Flushing, NY</b>                                                          |           |                          |      |                  |                    |            |
| 5067                                                                     | COMP+CAN  | 5/32                     |      | 4.0TPG (m)       |                    | UA         | 6715                                                                                        | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         |
| 5488                                                                     | COMP+CAN  | 3/16                     |      | 5.0TPG (m)       |                    | UA         | 5010                                                                                        | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         |
| 5068                                                                     | COMP+CAN  | 1/4                      |      | 6.0TPG (m)       |                    | UA         | 5011                                                                                        | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         |
| 6054                                                                     | COMP+CAN  | 3/16                     |      | 5.0TPG (s)       |                    | UA         | 7285                                                                                        | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         |
| 6053                                                                     | COMP+CAN  | 3/16                     |      | 5.0TBG           |                    | UA         | 5012                                                                                        | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         |
| 6055                                                                     | COMP+CAN  | 1/4                      |      | 6.0TBG           |                    | UA         | 5013                                                                                        | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         |
| 6142                                                                     | COMP+CAN  | 5/16                     |      | 8.0TBG           |                    | UA         | 7214                                                                                        | COMPOSITE | 3/4                      |      | 19.0TTG          |                    | UA         |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                               | TEST STD  | INCHES (THICKNESS CLASS) | (MM)   | TYPE        | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                    | TEST STD  | INCHES (THICKNESS CLASS) | (MM)  | TYPE        | MAX SIZE CERTIFIED | ANSI CLASS |
|-------------------------------------------------------------------------------------|-----------|--------------------------|--------|-------------|--------------------|------------|--------------------------------------------------------------------------|-----------|--------------------------|-------|-------------|--------------------|------------|
| <b>Templado USA Glass &amp; Aluminum Products ; Barranquilla, Colombia</b>          |           |                          |        |             |                    |            | <b>Thermo BSL ; Riviere-du-loup, QC</b>                                  |           |                          |       |             |                    |            |
| 6335                                                                                | COMPOSITE | 3/8                      | 10.0   | TTG         |                    | UA         | 4290                                                                     | COMP+CAN  | 1/8                      | 3.0   | TTG         |                    | UA         |
| 6336                                                                                | COMPOSITE | 1/2                      | 12.0   | TTG         |                    | UA         | 4291                                                                     | COMP+CAN  | 5/32                     | 4.0   | TTG         |                    | UA         |
| 6338                                                                                | COMPOSITE | (H)                      | 10-16+ | LTG (ip)(A) | (.035)             | UA         | 4292                                                                     | COMP+CAN  | 3/16                     | 5.0   | TTG         |                    | UA         |
| <b>Templados Del Centro SA DE C.V. ; Irapuato, Guanajuato, Mexico</b>               |           |                          |        |             |                    |            | 4293                                                                     | COMP+CAN  | 1/4                      | 6.0   | TTG         |                    | UA         |
| 6170                                                                                | COMPOSITE | (H)                      | 10     | LTG (b)(A)  | (.060)             | UA         | 7094                                                                     | COMP+CAN  | (S)                      | 6     | LTG (b)(A)  | (.030)             | UA         |
| 6019                                                                                | COMPOSITE | (H)                      | 12     | LTG (b)(A)  | (.030)             | UA         | 5673                                                                     | COMP+CAN  | (H)                      | 8     | LTG (b)(A)  | (.030)             | UA         |
| <b>Tengzhou Fenghua Glass Co., LTD ; Tengzhou, China</b>                            |           |                          |        |             |                    |            | 5674                                                                     | COMP+CAN  | (H)                      | 10    | LTG (ip)(A) | (.090)             | UA         |
| 6418                                                                                | COMP+CAN  | 3/16                     | 5.0    | TTG         |                    | UA         | <b>Thermoseal Industries, a Senneca Company ; Gloucester City, NJ</b>    |           |                          |       |             |                    |            |
| 6419                                                                                | COMP+CAN  | 1/4                      | 6.0    | TTG         |                    | UA         | 6841                                                                     | COMPOSITE | 1/8                      | 3.0   | TTG         |                    | UA         |
| 6420                                                                                | COMP+CAN  | 5/16                     | 8.0    | TTG         |                    | UA         | 7089                                                                     | COMPOSITE | 5/32                     | 4.0   | TTG         |                    | UA         |
| 6421                                                                                | COMP+CAN  | 3/8                      | 10.0   | TTG         |                    | UA         | 4470                                                                     | COMPOSITE | 3/16                     | 5.0   | TTG         |                    | UA         |
| 6422                                                                                | COMP+CAN  | 1/2                      | 12.0   | TTG         |                    | UA         | 4471                                                                     | COMPOSITE | 1/4                      | 6.0   | TTG         |                    | UA         |
| 6424                                                                                | COMP+CAN  | 5/32                     | 4.0    | TPG (s)     |                    | UA         | <b>Thermover 2017 ; Saint-Leonard (Quebec), Canada</b>                   |           |                          |       |             |                    |            |
| 6425                                                                                | COMP+CAN  | 3/16                     | 5.0    | TPG (s)     |                    | UA         | 6977                                                                     | COMP+CAN  | 5/32                     | 4.0   | TTG         |                    | UA         |
| 6426                                                                                | COMP+CAN  | 1/4                      | 6.0    | TPG (s)     |                    | UA         | 6978                                                                     | COMP+CAN  | 3/16                     | 5.0   | TTG         |                    | UA         |
| 6427                                                                                | COMP+CAN  | 3/8                      | 10.0   | TPG (s)     |                    | UA         | 6979                                                                     | COMP+CAN  | 1/4                      | 6.0   | TTG         |                    | UA         |
| 6423                                                                                | COMP+CAN  | (S)                      | 6      | LTG (b)(A)  | (.030)             | UA         | 6980                                                                     | COMP+CAN  | 3/8                      | 10.0  | TTG         |                    | UA         |
| <b>Texas Tempered, a Trulite Glass and Aluminum Solutions Company ; Houston, TX</b> |           |                          |        |             |                    |            | <b>Thompson I.G. LLC. ; Fenton, MI</b>                                   |           |                          |       |             |                    |            |
| 4847                                                                                | COMPOSITE | 1/8                      | 3.0    | TTG         |                    | UA         | 5303                                                                     | COMP+CAN  | 1/8                      | 3.0   | TTG         |                    | UA         |
| 4848                                                                                | COMPOSITE | 3/16                     | 5.0    | TTG         |                    | UA         | 5304                                                                     | COMP+CAN  | 3/16                     | 5.0   | TTG         |                    | UA         |
| 6039                                                                                | COMPOSITE | 1/4                      | 6.0    | TTG         |                    | UA         | 5305                                                                     | COMP+CAN  | 1/4                      | 6.0   | TTG         |                    | UA         |
| 6863                                                                                | COMPOSITE | 3/8                      | 10.0   | TTG         |                    | UA         | 5298                                                                     | COMP+CAN  | 3/8                      | 10.0  | TTG         |                    | UA         |
| 4851                                                                                | COMPOSITE | 1/2                      | 12.0   | TTG         |                    | UA         | 5299                                                                     | COMP+CAN  | 1/2                      | 12.0  | TTG         |                    | UA         |
| 7128                                                                                | COMPOSITE | 5/8                      | 16.0   | TTG         |                    | UA         | 5301                                                                     | COMP+CAN  | (H)                      | 8-12  | LTG (b)(A)  | (.030)             | UA         |
| 5365                                                                                | COMPOSITE | 3/4                      | 19.0   | TTG         |                    | UA         | 7025                                                                     | COMP+CAN  | (H)                      | 10-12 | LTG (ip)(A) | (.035)             | UA         |
| 6399                                                                                | COMPOSITE | 1/8                      | 3.0    | TPG (s)     |                    | UA         | <b>Tianjin CSG Energy Conservation Glass Co., Ltd ; Tianjin, China</b>   |           |                          |       |             |                    |            |
| 6400                                                                                | COMPOSITE | 5/32                     | 4.0    | TPG (d)     |                    | UA         | 4021                                                                     | COMP+CAN  | 5/32                     | 4.0   | TTG         |                    | UA         |
| 6401                                                                                | COMPOSITE | 3/16                     | 5.0    | TPG (m)     |                    | UA         | 4022                                                                     | COMP+CAN  | 3/16                     | 5.0   | TTG         |                    | UA         |
| 6402                                                                                | COMPOSITE | 1/4                      | 6.0    | TPG (m)     |                    | UA         | 4023                                                                     | COMP+CAN  | 1/4                      | 6.0   | TTG         |                    | UA         |
| 6403                                                                                | COMPOSITE | 3/8                      | 10.0   | TPG (s)     |                    | UA         | 4024                                                                     | COMP+CAN  | 5/16                     | 8.0   | TTG         |                    | UA         |
| <b>TG Taicang Architectural Glass Co. Ltd ; Taicang City, Jiangsu</b>               |           |                          |        |             |                    |            | 4025                                                                     | COMP+CAN  | 3/8                      | 10.0  | TTG         |                    | UA         |
| 7058                                                                                | COMP+CAN  | (H)                      | 8      | LTG (ip)(A) | (.090)             | UA         | 4026                                                                     | COMP+CAN  | 1/2                      | 12.0  | TTG         |                    | UA         |
| 6774                                                                                | COMP+CAN  | (H)                      | 10     | LTG (ip)(A) | (.035)             | UA         | 4027                                                                     | COMP+CAN  | *                        | 15.0  | TTG (4)     |                    | UA         |
| <b>The Original Frameless Shower Door ; Coral Springs, FL</b>                       |           |                          |        |             |                    |            | 4028                                                                     | COMP+CAN  | 3/4                      | 19.0  | TTG         |                    | UA         |
| 4662                                                                                | COMPOSITE | 3/8                      | 10.0   | TTG         |                    | UA         | 4030                                                                     | COMP+CAN  | (H)                      | 8     | LTG (b)(A)  | (.030)             | UA         |
| 4663                                                                                | COMPOSITE | 1/2                      | 12.0   | TTG         |                    | UA         | <b>Tianjin Northglass Industrial Technical Co., Ltd ; Tianjin, China</b> |           |                          |       |             |                    |            |
| <b>Thermal Seal Insulating Glass ; Uxbridge, MA</b>                                 |           |                          |        |             |                    |            | 5220                                                                     | COMPOSITE | 5/16                     | 8.0   | TTG         |                    | UA         |
| 5731                                                                                | COMPOSITE | 1/8                      | 3.0    | TTG         |                    | UA         | 5221                                                                     | COMPOSITE | *                        | 12.0  | TTG         |                    | UA         |
| 5732                                                                                | COMPOSITE | 5/32                     | 4.0    | TTG         |                    | UA         | 6044                                                                     | COMPOSITE | (H)                      | 12    | LTG (b)(A)  | (.060)             | UA         |
| 5733                                                                                | COMPOSITE | 3/16                     | 5.0    | TTG         |                    | UA         | 5223                                                                     | COMPOSITE | (H)                      | 18+   | LTG (ip)(A) | (.060)             | UA         |
| 5734                                                                                | COMPOSITE | 1/4                      | 6.0    | TTG         |                    | UA         | <b>Tianjin SYP Engineering Glass Co., Ltd. ; Tianjin, China</b>          |           |                          |       |             |                    |            |
| 5735                                                                                | COMPOSITE | 3/8                      | 10.0   | TTG         |                    | UA         | 4075                                                                     | COMP+CAN  | 3/16                     | 5.0   | TTG         |                    | UA         |
| 5736                                                                                | COMPOSITE | 1/2                      | 12.0   | TTG         |                    | UA         | 4076                                                                     | COMP+CAN  | 1/4                      | 6.0   | TTG         |                    | UA         |
| 5730                                                                                | COMPOSITE | 1/8                      | 3.0    | TPG (s)     |                    | UA         | 4077                                                                     | COMP+CAN  | 5/16                     | 8.0   | TTG         |                    | UA         |
| <b>Thermalsun Glass Products ; Santa Rosa, CA</b>                                   |           |                          |        |             |                    |            | 4078                                                                     | COMP+CAN  | 3/8                      | 10.0  | TTG         |                    | UA         |
| 6265                                                                                | COMPOSITE | 1/8                      | 3.0    | TTG         |                    | UA         | 4079                                                                     | COMP+CAN  | *                        | 12.0  | TTG (4)     |                    | UA         |
| 6266                                                                                | COMPOSITE | 5/32                     | 4.0    | TTG         |                    | UA         | 4080                                                                     | COMP+CAN  | *                        | 15.0  | TTG (4)     |                    | UA         |
| 6267                                                                                | COMPOSITE | 3/16                     | 5.0    | TTG         |                    | UA         | 4081                                                                     | COMP+CAN  | 3/4                      | 19.0  | TTG         |                    | UA         |
| 6268                                                                                | COMPOSITE | 1/4                      | 6.0    | TTG         |                    | UA         | 4084                                                                     | COMP+CAN  | (H)                      | 8-16+ | LTG (b)(A)  | (.030)             | UA         |
| 6269                                                                                | COMPOSITE | 3/8                      | 10.0   | TTG         |                    | UA         |                                                                          |           |                          |       |             |                    |            |
| 6270                                                                                | COMPOSITE | 1/2                      | 12.0   | TTG         |                    | UA         |                                                                          |           |                          |       |             |                    |            |



**Certified Products-Alphabetical By Plant**

| SGCC#                                                                           | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE             | MAX SIZE CERTIFIED | ANSI CLASS | SGCC#                                                                           | TEST STD  | INCHES (THICKNESS CLASS) | (MM) | TYPE              | MAX SIZE CERTIFIED | ANSI CLASS |
|---------------------------------------------------------------------------------|-----------|--------------------------|------|------------------|--------------------|------------|---------------------------------------------------------------------------------|-----------|--------------------------|------|-------------------|--------------------|------------|
| <b>Tristar Glass, Inc. ; Catoosa, OK</b>                                        |           |                          |      |                  |                    |            | <b>Trulite Glass and Aluminum Solutions ; Aurora, CO</b>                        |           |                          |      |                   |                    |            |
| 4004                                                                            | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | 5341                                                                            | COMPOSITE | 1/8                      |      | 3.0TTG            |                    | UA         |
| 4005                                                                            | COMPOSITE | 5/32                     |      | 4.0TTG           |                    | UA         | 5348                                                                            | COMPOSITE | 5/32                     |      | 4.0TTG            |                    | UA         |
| 4006                                                                            | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 6613                                                                            | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         |
| 4007                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 5343                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         |
| 7072                                                                            | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         | 5344                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         |
| 4008                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 5345                                                                            | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         |
| 4009                                                                            | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 5346                                                                            | COMPOSITE | 3/4                      |      | 19.0TTG           |                    | UA         |
| 7073                                                                            | COMPOSITE | 3/4                      |      | 19.0TTG          |                    | UA         | 5347                                                                            | COMPOSITE | 1/8                      |      | 3.0TPG (s)        |                    | UA         |
| 4011                                                                            | COMPOSITE | 3/16                     |      | 5.0TPG (m)       |                    | UA         | 5349                                                                            | COMPOSITE | 3/16                     |      | 5.0TPG (m)        |                    | UA         |
| 5441                                                                            | COMPOSITE | (S)                      |      | 6LTG (b)(A)      | (.030)             | UA         | 5350                                                                            | COMPOSITE | 3/8                      |      | 10.0TPG (s)       |                    | UA         |
| 4411                                                                            | COMPOSITE | (H)                      |      | 10-16+LTG (b)(A) | (.030)             | UA         | <b>Trulite Glass and Aluminum Solutions ; Bradenton, FL</b>                     |           |                          |      |                   |                    |            |
| <b>Tristar Glass, Inc. ; Grand Prairie, TX</b>                                  |           |                          |      |                  |                    |            | 5859                                                                            | COMPOSITE | 1/8                      |      | 3.0TTG            |                    | UA         |
| 5109                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 5860                                                                            | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         |
| 7225                                                                            | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         | 4225                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         |
| <b>Tristar Glass, Inc. ; Houston, TX</b>                                        |           |                          |      |                  |                    |            | 4226                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         |
| 5762                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 4227                                                                            | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         |
| 7080                                                                            | COMPOSITE | 5/16                     |      | 8.0TTG           |                    | UA         | 6188                                                                            | COMPOSITE | 1/8                      |      | 3.0TPG (s)        |                    | UA         |
| 7081                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 6189                                                                            | COMPOSITE | 3/16                     |      | 5.0TPG (d)        |                    | UA         |
| <b>Tristar Glass, Inc. ; Oklahoma City, OK</b>                                  |           |                          |      |                  |                    |            | 6190                                                                            | COMPOSITE | 3/8                      |      | 10.0TPG (s)       |                    | UA         |
| 6616                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | <b>Trulite Glass and Aluminum Solutions ; Cheswick, PA</b>                      |           |                          |      |                   |                    |            |
| <b>Triton Glass LLC ; Albemarle, NC</b>                                         |           |                          |      |                  |                    |            | 1784                                                                            | COMPOSITE | 1/8                      |      | 3.0TTG            |                    | UA         |
| 5690                                                                            | COMPOSITE | 1/8                      |      | 3.0TTG           |                    | UA         | 1785                                                                            | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         |
| 5691                                                                            | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 1786                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         |
| 5692                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 3495                                                                            | COMPOSITE | 5/16                     |      | 8.0TTG            |                    | UA         |
| 5693                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 1787                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         |
| 5694                                                                            | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 1788                                                                            | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         |
| <b>Triview Glass Industries ; City of Industry, CA</b>                          |           |                          |      |                  |                    |            | 4134                                                                            | COMPOSITE | 5/8                      |      | 16.0TTG           |                    | UA         |
| 5039                                                                            | COMP+CAN  | 5/32                     |      | 4.0TTG           |                    | UA         | 4135                                                                            | COMPOSITE | 3/4                      |      | 19.0TTG           |                    | UA         |
| 5040                                                                            | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         | 1790                                                                            | COMPOSITE | 3/16                     |      | 5.0TPG (s)        |                    | UA         |
| 5041                                                                            | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 4453                                                                            | COMPOSITE | 3/8                      |      | 10.0TPG (s)       |                    | UA         |
| 5042                                                                            | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         | <b>Trulite Glass and Aluminum Solutions ; City of Industry, CA</b>              |           |                          |      |                   |                    |            |
| 5043                                                                            | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         | 4182                                                                            | COMPOSITE | 1/8                      |      | 3.0TTG            |                    | UA         |
| 5044                                                                            | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         | 4183                                                                            | COMPOSITE | 5/32                     |      | 4.0TTG            |                    | UA         |
| 5045                                                                            | COMP+CAN  | 5/8                      |      | 16.0TTG          |                    | UA         | 4184                                                                            | COMPOSITE | 3/16                     |      | 5.0TTG            |                    | UA         |
| 5046                                                                            | COMP+CAN  | 3/4                      |      | 19.0TTG          |                    | UA         | 4185                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG            |                    | UA         |
| 5047                                                                            | COMP+CAN  | (S)                      |      | 6LTG (b)(A)      | (.030)             | UA         | 4186                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG           |                    | UA         |
| 5048                                                                            | COMP+CAN  | (H)                      |      | 8LTG (b)(A)      | (.030)             | UA         | 4187                                                                            | COMPOSITE | 1/2                      |      | 12.0TTG           |                    | UA         |
| <b>Troy Systems LLC ; Manassas, VA</b>                                          |           |                          |      |                  |                    |            | 4522                                                                            | COMPOSITE | 5/8                      |      | 16.0TTG           |                    | UA         |
| 4918                                                                            | COMPOSITE | 3/16                     |      | 5.0TTG           |                    | UA         | 4371                                                                            | COMPOSITE | 3/4                      |      | 19.0TTG           |                    | UA         |
| 4061                                                                            | COMPOSITE | 1/4                      |      | 6.0TTG           |                    | UA         | 4233                                                                            | COMPOSITE | (S)                      |      | 6LTG (b)(A)       | (.030)             | UA         |
| 4062                                                                            | COMPOSITE | 3/8                      |      | 10.0TTG          |                    | UA         | 6010                                                                            | COMPOSITE | (H)                      |      | 8-16+LTG (b)(A)   | (.030)             | UA         |
| 4063                                                                            | COMPOSITE | 1/2                      |      | 12.0TTG          |                    | UA         | 6011                                                                            | COMPOSITE | (H)                      |      | 10-16+LTG (ip)(A) | (.060)             | UA         |
| 5123                                                                            | COMPOSITE | 3/8                      |      | 10.0TPG (s)      |                    | UA         | <b>Trulite Glass &amp; Aluminum Solutions Canada, ULC ; Bois-des-Filion, QC</b> |           |                          |      |                   |                    |            |
| <b>Trulite Glass &amp; Aluminum Solutions Canada, ULC ; Bois-des-Filion, QC</b> |           |                          |      |                  |                    |            | 6061                                                                            | COMP+CAN  | 3/16                     |      | 5.0TTG            |                    | UA         |
| 6061                                                                            | COMP+CAN  | 3/16                     |      | 5.0TTG           |                    | UA         | 6062                                                                            | COMP+CAN  | 1/4                      |      | 6.0TTG            |                    | UA         |
| 6062                                                                            | COMP+CAN  | 1/4                      |      | 6.0TTG           |                    | UA         | 6063                                                                            | COMP+CAN  | 5/16                     |      | 8.0TTG            |                    | UA         |
| 6063                                                                            | COMP+CAN  | 5/16                     |      | 8.0TTG           |                    | UA         | 6064                                                                            | COMP+CAN  | 3/8                      |      | 10.0TTG           |                    | UA         |
| 6064                                                                            | COMP+CAN  | 3/8                      |      | 10.0TTG          |                    | UA         | 6065                                                                            | COMP+CAN  | 1/2                      |      | 12.0TTG           |                    | UA         |
| 6065                                                                            | COMP+CAN  | 1/2                      |      | 12.0TTG          |                    | UA         | 6066                                                                            | COMP+CAN  | 5/8                      |      | 16.0TTG           |                    | UA         |
| 6066                                                                            | COMP+CAN  | 5/8                      |      | 16.0TTG          |                    | UA         | 6067                                                                            | COMP+CAN  | 3/4                      |      | 19.0TTG           |                    | UA         |
| 6067                                                                            | COMP+CAN  | 3/4                      |      | 19.0TTG          |                    | UA         |                                                                                 |           |                          |      |                   |                    |            |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                        | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                            | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|--------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|------------------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|
| <b>Trulite Glass and Aluminum Solutions ; Columbus, OH</b>   |           |                                |      |                  |                       |               | <b>Trulite Glass and Aluminum Solutions ; Houston, TX</b>        |           |                                |      |                   |                       |               |
| 4745                                                         | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 5432                                                             | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            |
| 4746                                                         | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 7018                                                             | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 4747                                                         | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 3925                                                             | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 6159                                                         | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 5483                                                             | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 4748                                                         | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 3927                                                             | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 6160                                                         | COMPOSITE | 5/8                            |      | 16.0TTG          |                       | UA            | 3928                                                             | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| 6161                                                         | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 5477                                                             | COMP+CAN  | 5/8                            |      | 16.0TTG           |                       | UA            |
| 6165                                                         | COMPOSITE | 1/8                            |      | 3.0TPG (m)       |                       | UA            | 5433                                                             | COMP+CAN  | 1/8                            |      | 3.0TPG (s)        |                       | UA            |
| 6166                                                         | COMPOSITE | 5/32                           |      | 4.0TPG (d)       |                       | UA            | 3931                                                             | COMP+CAN  | 3/16                           |      | 5.0TPG (m)        |                       | UA            |
| 6167                                                         | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 5434                                                             | COMP+CAN  | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            |
| 6168                                                         | COMPOSITE | 1/4                            |      | 6.0TPG (m)       |                       | UA            | 6741                                                             | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            |
| 6169                                                         | COMPOSITE | 3/8                            |      | 10.0TPG (s)      |                       | UA            | 6742                                                             | COMP+CAN  | (H)                            |      | 10-16+LTG (ip)(A) | (.035)                | UA            |
| 6162                                                         | COMPOSITE | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            | <b>Trulite Glass and Aluminum Solutions ; Indianapolis, IN</b>   |           |                                |      |                   |                       |               |
| <b>Trulite Glass and Aluminum Solutions ; Fort Worth, TX</b> |           |                                |      |                  |                       |               | 4749                                                             | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |
| 5396                                                         | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 4922                                                             | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5397                                                         | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 4923                                                             | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5398                                                         | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 4754                                                             | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5399                                                         | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 4753                                                             | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 5400                                                         | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 7086                                                             | COMPOSITE | 5/8                            |      | 16.0TTG           |                       | UA            |
| 5401                                                         | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 4750                                                             | COMPOSITE | 3/16                           |      | 5.0TPG (s)        |                       | UA            |
| 6389                                                         | COMPOSITE | 5/8                            |      | 16.0TTG          |                       | UA            | <b>Trulite Glass and Aluminum Solutions ; Knoxville, TN</b>      |           |                                |      |                   |                       |               |
| 6388                                                         | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 4209                                                             | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |
| 5784                                                         | COMPOSITE | 1/8                            |      | 3.0TPG (m)       |                       | UA            | 4827                                                             | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            |
| 5404                                                         | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 4152                                                             | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5405                                                         | COMPOSITE | 3/8                            |      | 10.0TPG (m)      |                       | UA            | 4153                                                             | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 3603                                                         | COMPOSITE | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            | 4158                                                             | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5783                                                         | COMPOSITE | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            | 4159                                                             | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 5728                                                         | COMPOSITE | (H)                            |      | 8-16+LTG (ip)(A) | (.035)                | UA            | 4207                                                             | COMPOSITE | 1/8                            |      | 3.0TPG (m)        |                       | UA            |
| <b>Trulite Glass and Aluminum Solutions ; Fremont, CA</b>    |           |                                |      |                  |                       |               | 4981                                                             | COMPOSITE | 5/32                           |      | 4.0TPG (d)        |                       | UA            |
| 5792                                                         | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 4160                                                             | COMPOSITE | 3/16                           |      | 5.0TPG (d)        |                       | UA            |
| 5793                                                         | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 5134                                                             | COMPOSITE | 3/8                            |      | 10.0TPG (m)       |                       | UA            |
| 5794                                                         | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | <b>Trulite Glass and Aluminum Solutions ; Las Vegas, NV</b>      |           |                                |      |                   |                       |               |
| 5795                                                         | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 4210                                                             | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |
| 5796                                                         | COMPOSITE | 5/16                           |      | 8.0TTG           |                       | UA            | 4212                                                             | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5797                                                         | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 4213                                                             | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5798                                                         | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 4214                                                             | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5800                                                         | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 4215                                                             | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 5801                                                         | COMPOSITE | 1/8                            |      | 3.0TPG (s)       |                       | UA            | 4216                                                             | COMPOSITE | 3/4                            |      | 19.0TTG           |                       | UA            |
| 5802                                                         | COMPOSITE | 5/32                           |      | 4.0TPG (m)       |                       | UA            | 4217                                                             | COMPOSITE | 1/8                            |      | 3.0TPG (s)        |                       | UA            |
| 5803                                                         | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 4219                                                             | COMPOSITE | 3/16                           |      | 5.0TPG (m)        |                       | UA            |
| 5804                                                         | COMPOSITE | 1/4                            |      | 6.0TPG (m)       |                       | UA            | 4220                                                             | COMPOSITE | 1/4                            |      | 6.0TPG (m)        |                       | UA            |
| 5805                                                         | COMPOSITE | 3/8                            |      | 10.0TPG (s)      |                       | UA            | 4221                                                             | COMPOSITE | 3/8                            |      | 10.0TPG (s)       |                       | UA            |
| <b>Trulite Glass and Aluminum Solutions ; Grenada, MS</b>    |           |                                |      |                  |                       |               | <b>Trulite Glass and Aluminum Solutions ; Lithia Springs, GA</b> |           |                                |      |                   |                       |               |
| 2787                                                         | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 6102                                                             | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 2788                                                         | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 6103                                                             | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 2789                                                         | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 6104                                                             | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 2840                                                         | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 6105                                                             | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| 6769                                                         | COMPOSITE | (S)                            |      | 5LTG (b)(A)      | (.030)                | UA            | 6106                                                             | COMP+CAN  | 5/8                            |      | 16.0TTG           |                       | UA            |
| 6760                                                         | COMPOSITE | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            | 6107                                                             | COMP+CAN  | 3/4                            |      | 19.0TTG           |                       | UA            |
| 7014                                                         | COMPOSITE | (H)                            |      | 8LTG (ip)(A)     | (.090)                | UA            | 6113                                                             | COMP+CAN  | 3/16                           |      | 5.0TPG (m)        |                       | UA            |
| 6615                                                         | COMPOSITE | (H)                            |      | 8LTG (b)(A)      | (.060)                | UA            | 6114                                                             | COMP+CAN  | 1/4                            |      | 6.0TPG (IN)(m)    |                       | UA            |
| 4744                                                         | COMPOSITE | (H)                            |      | 10-16+LTG (b)(A) | (.030)                | UA            | 6115                                                             | COMP+CAN  | 3/8                            |      | 10.0TPG (s)       |                       | UA            |
| 5898                                                         | COMPOSITE | (H)                            |      | 10-12LTG (ip)(A) | (.035)                | UA            | 6110                                                             | COMP+CAN  | (S)                            |      | 6LTG (IN)(ip)(A)  | (.060)                | UA            |
|                                                              |           |                                |      |                  |                       |               | 6108                                                             | COMP+CAN  | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            |
|                                                              |           |                                |      |                  |                       |               | 6109                                                             | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            |
|                                                              |           |                                |      |                  |                       |               | 6111                                                             | COMP+CAN  | (H)                            |      | 8-16+LTG (ip)(A)  | (.060)                | UA            |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                            | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                         | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE           | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|------------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|---------------------------------------------------------------|-----------|--------------------------------|------|----------------|-----------------------|---------------|
| <b>Trulite Glass and Aluminum Solutions ; New Berlin, WI</b>     |           |                                |      |                  |                       |               | <b>Trulite Glass and Aluminum Solutions ; San Antonio, TX</b> |           |                                |      |                |                       |               |
| 5876                                                             | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 3645                                                          | COMPOSITE | 1/8                            |      | 3.0TTG         |                       | UA            |
| 5317                                                             | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 3646                                                          | COMPOSITE | 5/32                           |      | 4.0TTG         |                       | UA            |
| 5318                                                             | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 3839                                                          | COMPOSITE | 3/16                           |      | 5.0TTG         |                       | UA            |
| 5877                                                             | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 3326                                                          | COMPOSITE | 1/4                            |      | 6.0TTG         |                       | UA            |
| 5320                                                             | COMPOSITE | 5/16                           |      | 8.0TTG           |                       | UA            | 3327                                                          | COMPOSITE | 3/8                            |      | 10.0TTG        |                       | UA            |
| 5321                                                             | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 4277                                                          | COMPOSITE | 1/2                            |      | 12.0TTG        |                       | UA            |
| 5322                                                             | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 4342                                                          | COMPOSITE | 3/16                           |      | 5.0TPG (m)     |                       | UA            |
| 5896                                                             | COMPOSITE | 5/8                            |      | 16.0TTG          |                       | UA            | <b>Trulite Glass and Aluminum Solutions ; Tulsa, OK</b>       |           |                                |      |                |                       |               |
| 5897                                                             | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 5687                                                          | COMPOSITE | 1/8                            |      | 3.0TTG         |                       | UA            |
| 3430                                                             | COMPOSITE | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            | 5443                                                          | COMPOSITE | 5/32                           |      | 4.0TTG         |                       | UA            |
| 5936                                                             | COMPOSITE | (H)                            |      | 8-12LTG (b)(A)   | (.030)                | UA            | 5444                                                          | COMPOSITE | 3/16                           |      | 5.0TTG         |                       | UA            |
| 5937                                                             | COMPOSITE | (H)                            |      | 8-16+LTG (ip)(A) | (.060)                | UA            | 5445                                                          | COMPOSITE | 1/4                            |      | 6.0TTG         |                       | UA            |
| <b>Trulite Glass and Aluminum Solutions ; Orlando, FL</b>        |           |                                |      |                  |                       |               | 5446                                                          | COMPOSITE | 3/8                            |      | 10.0TTG        |                       | UA            |
| 5183                                                             | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 5447                                                          | COMPOSITE | 1/2                            |      | 12.0TTG        |                       | UA            |
| 5185                                                             | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 5688                                                          | COMPOSITE | 1/8                            |      | 3.0TPG (s)     |                       | UA            |
| 5184                                                             | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 5448                                                          | COMPOSITE | 5/32                           |      | 4.0TPG (d)     |                       | UA            |
| 5186                                                             | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 5449                                                          | COMPOSITE | 3/16                           |      | 5.0TPG (m)     |                       | UA            |
| 5187                                                             | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 5451                                                          | COMPOSITE | 3/8                            |      | 10.0TPG (s)    |                       | UA            |
| 5680                                                             | COMPOSITE | 5/8                            |      | 16.0TTG          |                       | UA            | <b>Trulite Glass and Aluminum Solutions ; Vaughan, ON</b>     |           |                                |      |                |                       |               |
| 5188                                                             | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 5507                                                          | COMP+CAN  | 5/32                           |      | 4.0TTG         |                       | UA            |
| 5189                                                             | COMPOSITE | 1/8                            |      | 3.0TPG (s)       |                       | UA            | 5508                                                          | COMP+CAN  | 3/16                           |      | 5.0TTG         |                       | UA            |
| 5190                                                             | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 5509                                                          | COMP+CAN  | 1/4                            |      | 6.0TTG         |                       | UA            |
| 5191                                                             | COMPOSITE | 1/4                            |      | 6.0TPG (m)       |                       | UA            | 5510                                                          | COMP+CAN  | 5/16                           |      | 8.0TTG         |                       | UA            |
| 5192                                                             | COMPOSITE | 3/8                            |      | 10.0TPG (s)      |                       | UA            | 5511                                                          | COMP+CAN  | 3/8                            |      | 10.0TTG        |                       | UA            |
| 3461                                                             | COMPOSITE | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            | 5782                                                          | COMP+CAN  | 1/2                            |      | 12.0TTG        |                       | UA            |
| 5484                                                             | COMPOSITE | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            | 5631                                                          | COMP+CAN  | (S)                            |      | 6LTG (b)(A)    | (.030)                | UA            |
| 5485                                                             | COMPOSITE | (H)                            |      | 10-12LTG (ip)(A) | (.035)                | UA            | <b>Trulite Glass and Aluminum Solutions ; Youngsville, NC</b> |           |                                |      |                |                       |               |
| <b>Trulite Glass and Aluminum Solutions ; Phoenix, AZ</b>        |           |                                |      |                  |                       |               | 5272                                                          | COMPOSITE | 1/8                            |      | 3.0TTG         |                       | UA            |
| 5700                                                             | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 5517                                                          | COMPOSITE | 5/32                           |      | 4.0TTG         |                       | UA            |
| 5701                                                             | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 5273                                                          | COMPOSITE | 3/16                           |      | 5.0TTG         |                       | UA            |
| 5702                                                             | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 5274                                                          | COMPOSITE | 1/4                            |      | 6.0TTG         |                       | UA            |
| 5746                                                             | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 5518                                                          | COMPOSITE | 5/16                           |      | 8.0TTG         |                       | UA            |
| 5703                                                             | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 5275                                                          | COMPOSITE | 3/8                            |      | 10.0TTG        |                       | UA            |
| 5704                                                             | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 5276                                                          | COMPOSITE | 1/2                            |      | 12.0TTG        |                       | UA            |
| 7123                                                             | COMPOSITE | 5/8                            |      | 16.0TTG          |                       | UA            | 6009                                                          | COMPOSITE | 5/8                            |      | 16.0TTG        |                       | UA            |
| 7002                                                             | COMPOSITE | 3/4                            |      | 19.0TTG          |                       | UA            | 5277                                                          | COMPOSITE | 3/4                            |      | 19.0TTG        |                       | UA            |
| 5705                                                             | COMPOSITE | 1/8                            |      | 3.0TPG (s)       |                       | UA            | 5279                                                          | COMPOSITE | 3/16                           |      | 5.0TPG (m)     |                       | UA            |
| 5706                                                             | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 6187                                                          | COMPOSITE | 3/8                            |      | 10.0TPG (s)    |                       | UA            |
| 6759                                                             | COMPOSITE | 1/4                            |      | 6.0TPG (s)       |                       | UA            | 4437                                                          | COMPOSITE | (S)                            |      | 6LTG (b)(A)    | (.030)                | UA            |
| 5747                                                             | COMPOSITE | 3/8                            |      | 10.0TPG (m)      |                       | UA            | 6405                                                          | COMPOSITE | (H)                            |      | 8-12LTG (b)(A) | (.030)                | UA            |
| <b>Trulite Glass and Aluminum Solutions ; Salt Lake City, UT</b> |           |                                |      |                  |                       |               | <b>TVITEC ; Cubillo del Sil, Spain</b>                        |           |                                |      |                |                       |               |
| 6447                                                             | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | 5519                                                          | COMPOSITE | (H)                            |      | 12LTG (ip)(A)  | (.070)                | UA            |
| 5337                                                             | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | <b>Tweddells Inc. ; Santa Ana, CA</b>                         |           |                                |      |                |                       |               |
| 5338                                                             | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 5384                                                          | COMP+CAN  | 1/8                            |      | 3.0TTG         |                       | UA            |
| 5339                                                             | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 4993                                                          | COMP+CAN  | 3/16                           |      | 5.0TTG         |                       | UA            |
| 5340                                                             | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 5385                                                          | COMP+CAN  | 1/4                            |      | 6.0TTG         |                       | UA            |
| 6006                                                             | COMPOSITE | 3/16                           |      | 5.0TPG (m)       |                       | UA            | 5386                                                          | COMP+CAN  | 3/8                            |      | 10.0TTG        |                       | UA            |
| 6007                                                             | COMPOSITE | 1/4                            |      | 6.0TPG (m)       |                       | UA            |                                                               |           |                                |      |                |                       |               |
| 6008                                                             | COMPOSITE | 3/8                            |      | 10.0TPG (s)      |                       | UA            |                                                               |           |                                |      |                |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                           | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                             | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-----------------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|-----------------------------------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|
| <b>U.S. Glass Distributors Inc. ; Enfield, CT</b>               |           |                                |      |                   |                       |               | <b>US Glass Tempering Inc. ; San Leandro, CA</b>                                  |           |                                |      |                   |                       |               |
| 5921                                                            | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            | 7156                                                                              | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |
| 5922                                                            | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            | 7158                                                                              | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            |
| 5923                                                            | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            | 7159                                                                              | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5924                                                            | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            | 7157                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5925                                                            | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            | 7160                                                                              | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5926                                                            | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            | 7161                                                                              | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 5927                                                            | COMP+CAN  | 5/8                            |      | 16.0TTG           |                       | UA            | <b>Val y Val SA de CV ; Pagliai, Veracruz, Mexico</b>                             |           |                                |      |                   |                       |               |
| 6157                                                            | COMP+CAN  | 3/4                            |      | 19.0TTG           |                       | UA            | 6989                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5917                                                            | COMP+CAN  | 5/32                           |      | 4.0TPG (d)        |                       | UA            | 6990                                                                              | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            |
| 5918                                                            | COMP+CAN  | 3/16                           |      | 5.0TPG (m)        |                       | UA            | <b>Valentini Glass &amp; Components srl ; Brescia, Italy</b>                      |           |                                |      |                   |                       |               |
| 5920                                                            | COMP+CAN  | 3/8                            |      | 10.0TPG (s) (IN)  |                       | UA            | 2423                                                                              | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            |
| 6494                                                            | COMP+CAN  | (S)                            |      | 6LTG (ip)(A)      | (.035)                | UA            | 6816                                                                              | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |
| 6864                                                            | COMP+CAN  | (H)                            |      | 10,16+LTG (ip)(A) | (.035)                | UA            | 4246                                                                              | COMPOSITE | 5/32                           |      | 4.0TBG            |                       | UA            |
| <b>Uniglass ; Riyadh, Saudi Arabia</b>                          |           |                                |      |                   |                       |               | 2898                                                                              | COMPOSITE | 1/4                            |      | 6.0TBG            |                       | UA            |
| 7028                                                            | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            | <b>Vidrio Bisel S.A. de C.V. (Santa Catarina) ; Monterrey, Nuevo Leon, Mexico</b> |           |                                |      |                   |                       |               |
| 7029                                                            | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 4966                                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 7030                                                            | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            | 4967                                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 7031                                                            | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 4968                                                                              | COMP+CAN  | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            |
| 7032                                                            | COMPOSITE | *                              |      | 12.0TTG (7)       |                       | UA            | 4969                                                                              | COMP+CAN  | (S)                            |      | 6LTG (b)(A)       | (.015)(C1)            | UB            |
| <b>United Plate Glass Co., Inc. ; Butler, PA</b>                |           |                                |      |                   |                       |               | <b>Vidrio Bisel S.A. de C.V. (Santos Chocano) ; Monterrey, Nuevo Leon, Mexico</b> |           |                                |      |                   |                       |               |
| 2467                                                            | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            | 6702                                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 2468                                                            | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            | 6703                                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 2469                                                            | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            | <b>View Inc. ; Olive Branch, MS</b>                                               |           |                                |      |                   |                       |               |
| 2470                                                            | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            | 4725                                                                              | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |
| 2471                                                            | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            | 4726                                                                              | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            |
| 6375                                                            | COMP+CAN  | 5/32                           |      | 4.0TPG (m)        |                       | UA            | 4727                                                                              | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |
| 6250                                                            | COMP+CAN  | (S)                            |      | 6LTG (ip)(A)      | (.035)                | UA            | 4728                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |
| 6224                                                            | COMP+CAN  | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            | 7107                                                                              | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            |
| 6251                                                            | COMP+CAN  | (H)                            |      | 8-16+LTG (ip)(A)  | (.035)                | UA            | 7108                                                                              | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |
| 6225                                                            | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            | 6390                                                                              | COMPOSITE | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            |
| <b>United Plate Glass Company of Charlotte ; Lincolnton, NC</b> |           |                                |      |                   |                       |               | 5841                                                                              | COMPOSITE | (H)                            |      | 8-12LTG (ip)(A)   | (.060)                | UA            |
| 3948                                                            | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            | <b>Viracon Inc. ; Owatonna, MN</b>                                                |           |                                |      |                   |                       |               |
| 4197                                                            | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            | 4354                                                                              | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            |
| 3949                                                            | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            | 1403                                                                              | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 3950                                                            | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            | 1404                                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 3951                                                            | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            | 3689                                                                              | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 3952                                                            | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            | 1508                                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 3954                                                            | COMP+CAN  | 1/8                            |      | 3.0TPG (s)        |                       | UA            | 1509                                                                              | COMP+CAN  | 1/2                            |      | 12.0TTG           |                       | UA            |
| 4636                                                            | COMPOSITE | 5/32                           |      | 4.0TPG (m)        |                       | UA            | 1637                                                                              | COMP+CAN  | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            |
| 3955                                                            | COMP+CAN  | 3/16                           |      | 5.0TPG (s)        |                       | UA            | 4249                                                                              | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            |
| <b>Unitex Glass Chengdu Co., Ltd ; Chendu, Sichuan, China</b>   |           |                                |      |                   |                       |               | 4250                                                                              | COMP+CAN  | (H)                            |      | 12-16+LTG (ip)(A) | (.060)                | UA            |
| 5462                                                            | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            | <b>Viracon Inc. ; Statesboro, GA</b>                                              |           |                                |      |                   |                       |               |
| 5463                                                            | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            | 2314                                                                              | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            |
| 5407                                                            | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            | 2310                                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            |
| 5408                                                            | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 4720                                                                              | COMP+CAN  | 5/16                           |      | 8.0TTG            |                       | UA            |
| 6519                                                            | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            | 2311                                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG           |                       | UA            |
| 5414                                                            | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 5017                                                                              | COMP+CAN  | (S)                            |      | 6LTG (b)(A)       | (.030)                | UA            |
| 6520                                                            | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 4779                                                                              | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)   | (.030)                | UA            |
| <b>Upstate Glass Tempering Inc. ; Middletown, NY</b>            |           |                                |      |                   |                       |               | 4784                                                                              | COMP+CAN  | (H)                            |      | 12LTG (ip)(A)     | (.090)                | UA            |
| 4926                                                            | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            |                                                                                   |           |                                |      |                   |                       |               |
| 6068                                                            | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            |                                                                                   |           |                                |      |                   |                       |               |
| 5157                                                            | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            |                                                                                   |           |                                |      |                   |                       |               |
| 4927                                                            | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            |                                                                                   |           |                                |      |                   |                       |               |
| 5158                                                            | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            |                                                                                   |           |                                |      |                   |                       |               |
| 6743                                                            | COMPOSITE | 5/8                            |      | 16.0TTG (IN)      |                       | UA            |                                                                                   |           |                                |      |                   |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                          | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE              | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                     | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|----------------------------------------------------------------|-----------|--------------------------------|------|-------------------|-----------------------|---------------|---------------------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|
| <b>Virginia Glass Products Corp. ; Martinsville, VA</b>        |           |                                |      |                   |                       |               | <b>Vitrum Industries Ltd. ; Langley, BC</b>                               |           |                                |      |                  |                       |               |
| 12                                                             | COMPOSITE | 3/16                           |      | 5.0TTG (IN)       |                       | UA            | 7118                                                                      | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| 14                                                             | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 7119                                                                      | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 93                                                             | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 7117                                                                      | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 94                                                             | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 7120                                                                      | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            |
| 2182                                                           | COMPOSITE | 5/8                            |      | 16.0TTG           |                       | UA            | 7121                                                                      | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 95                                                             | COMPOSITE | 3/4                            |      | 19.0TTG           |                       | UA            | 7122                                                                      | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 5194                                                           | COMPOSITE | (H)                            |      | 12LTG (ip)(A)     | (.060)                | UA            | 7164                                                                      | COMP+CAN  | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            |
| <b>Vistamatic, LLC ; Coral Springs, FL</b>                     |           |                                |      |                   |                       |               | 7124                                                                      | COMP+CAN  | (H)                            |      | 10-16+LTG (b)(A) | (.060)                | UA            |
| 6535                                                           | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            | <b>Viwinco, Inc. ; Morgantown, PA</b>                                     |           |                                |      |                  |                       |               |
| 6536                                                           | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            | 3074                                                                      | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            |
| 6537                                                           | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 3405                                                                      | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
| 6538                                                           | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 6803                                                                      | COMPOSITE | 1/8                            |      | 3.0TPG (s)       |                       | UA            |
| 6539                                                           | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 6374                                                                      | COMPOSITE | (H)                            |      | 8-10LTG (ip)(A)  | (.090)                | UA            |
| <b>Vitelsa Mosquera ; Bogota, Cundinamarca, Columbia</b>       |           |                                |      |                   |                       |               | 3408                                                                      | COMPOSITE | (H)                            |      | 8LTG (b)(A)      | (.090)                | UA            |
| 6865                                                           | COMPOSITE | (H)                            |      | 10LTG (b)(A)      | (.030)                | UB            | <b>W. A. Wilson Inc. ; Wheeling, WV</b>                                   |           |                                |      |                  |                       |               |
| 6866                                                           | COMPOSITE | (H)                            |      | 16-20+LTG (ip)(A) | (.035)                | UB            | 4169                                                                      | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            |
| <b>Vitemex ; Reynosa, Tamaulipas Mexico</b>                    |           |                                |      |                   |                       |               | 4170                                                                      | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
| 5393                                                           | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 4171                                                                      | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            |
| 5394                                                           | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 4172                                                                      | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            |
| 5395                                                           | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 4173                                                                      | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            |
| <b>Vitra Vidrios Transformados SA de CV ; Cortes, Honduras</b> |           |                                |      |                   |                       |               | 5173                                                                      | COMPOSITE | 1/8                            |      | 3.0TPG (d)       |                       | UA            |
| 5037                                                           | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            | 4175                                                                      | COMPOSITE | 3/16                           |      | 5.0TPG (d)       |                       | UA            |
| 4651                                                           | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            | 4176                                                                      | COMPOSITE | 3/8                            |      | 10.0TPG (s)      |                       | UA            |
| 4652                                                           | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | <b>W.C.P., Inc dba West Coast Insulated Glass Products ; Cerritos, CA</b> |           |                                |      |                  |                       |               |
| 4653                                                           | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            | 6084                                                                      | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            |
| 4654                                                           | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | 6085                                                                      | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| 4655                                                           | COMPOSITE | 1/2                            |      | 12.0TTG           |                       | UA            | 6086                                                                      | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| <b>Vitro Architectural Glass ; Barrie, ON</b>                  |           |                                |      |                   |                       |               | 6087                                                                      | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 5207                                                           | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            | 7075                                                                      | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 5204                                                           | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            | 7076                                                                      | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 5205                                                           | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            | 6088                                                                      | COMP+CAN  | 1/8                            |      | 3.0TPG (s)       |                       | UA            |
| 5206                                                           | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            | 6089                                                                      | COMP+CAN  | 5/32                           |      | 4.0TPG (m)       |                       | UA            |
| 7082                                                           | COMP+CAN  | 1/8                            |      | 3.0TPG (m)        |                       | UA            | 6090                                                                      | COMP+CAN  | 3/16                           |      | 5.0TPG (d)       |                       | UA            |
| 7083                                                           | COMP+CAN  | 5/32                           |      | 4.0TPG (m)        |                       | UA            | 6091                                                                      | COMP+CAN  | (S)                            |      | 6LTG (b)(A)      | (.030)                | UA            |
| <b>Vitro Flat Glass, LLC ; Carlisle, PA</b>                    |           |                                |      |                   |                       |               | 6092                                                                      | COMP+CAN  | (H)                            |      | 10-16+LTG (b)(A) | (.030)                | UA            |
| 250                                                            | COMP+CAN  | 1/8                            |      | 3.0TTG            |                       | UA            | 7077                                                                      | COMP+CAN  | (H)                            |      | 12LTG (ip)(A)    | (.035)                | UA            |
| 675                                                            | COMP+CAN  | 5/32                           |      | 4.0TTG            |                       | UA            | <b>WGM Fabricators, LLC ; Whitinsville, MA</b>                            |           |                                |      |                  |                       |               |
| 249                                                            | COMP+CAN  | 3/16                           |      | 5.0TTG            |                       | UA            | 6364                                                                      | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            |
| 382                                                            | COMP+CAN  | 1/4                            |      | 6.0TTG            |                       | UA            | 6365                                                                      | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            |
| <b>Vitro Flat Glass, LLC ; Wichita Falls, TX</b>               |           |                                |      |                   |                       |               | 6366                                                                      | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            |
| 1110                                                           | COMPOSITE | 1/8                            |      | 3.0TTG            |                       | UA            | 6367                                                                      | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            |
| 1111                                                           | COMPOSITE | 5/32                           |      | 4.0TTG            |                       | UA            | 6368                                                                      | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            |
| 1112                                                           | COMPOSITE | 3/16                           |      | 5.0TTG            |                       | UA            | 6369                                                                      | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            |
| 1113                                                           | COMPOSITE | 1/4                            |      | 6.0TTG            |                       | UA            | 6370                                                                      | COMP+CAN  | 5/8                            |      | 16.0TTG          |                       | UA            |
| 3577                                                           | COMPOSITE | 5/16                           |      | 8.0TTG            |                       | UA            | 6371                                                                      | COMP+CAN  | 3/4                            |      | 19.0TTG          |                       | UA            |
| 3578                                                           | COMPOSITE | 3/8                            |      | 10.0TTG           |                       | UA            | <b>Whalley Glass Co ; Derby, CT</b>                                       |           |                                |      |                  |                       |               |
|                                                                |           |                                |      |                   |                       |               | 6226                                                                      | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            |
|                                                                |           |                                |      |                   |                       |               | 6227                                                                      | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            |
|                                                                |           |                                |      |                   |                       |               | 6228                                                                      | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            |
|                                                                |           |                                |      |                   |                       |               | 6229                                                                      | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                             | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE             | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                            | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) | TYPE               | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|-----------------------------------------------------------------------------------|-----------|--------------------------------|------|------------------|-----------------------|---------------|----------------------------------------------------------------------------------|-----------|--------------------------------|------|--------------------|-----------------------|---------------|
| <b>White Aluminum Enterprises LLC ; Abu Dhabi, United Arab Emirates</b>           |           |                                |      |                  |                       |               | <b>Wujiang Golden Glass Technologies, Ltd. ; Wujiang City, China</b>             |           |                                |      |                    |                       |               |
| 7085                                                                              | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 5251                                                                             | COMPOSITE | 1/4                            |      | 6.0TTG             |                       | UA            |
| 4598                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 5252                                                                             | COMPOSITE | 5/16                           |      | 8.0TTG             |                       | UA            |
| 4597                                                                              | COMPOSITE | 5/16                           |      | 8.0TTG           |                       | UA            | 5253                                                                             | COMPOSITE | 3/8                            |      | 10.0TTG            |                       | UA            |
| 7260                                                                              | COMPOSITE | (H)                            |      | 8-16+LTG (b)(T)  | (.060)                | UA            | 5254                                                                             | COMPOSITE | 1/2                            |      | 12.0TTG            |                       | UA            |
| 7237                                                                              | COMPOSITE | (H)                            |      | 8-16+LTG (ip)(T) | (.060)                | UA            | 5255                                                                             | COMPOSITE | *                              |      | 15.0TTG (4)        |                       | UA            |
| <b>Wholesale Glass Dist. ; Memphis, TN</b>                                        |           |                                |      |                  |                       |               | 5256                                                                             | COMPOSITE | 3/4                            |      | 19.0TTG            |                       | UA            |
| 4379                                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 5257                                                                             | COMPOSITE | (H)                            |      | 8LTG (b)(A)        | (.030)                | UA            |
| 4380                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 5258                                                                             | COMPOSITE | (H)                            |      | 10LTG (ip)(A)      | (.035)                | UA            |
| 4381                                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | <b>Xiamen Togen Building Products Co., Ltd. ; Fujian, China</b>                  |           |                                |      |                    |                       |               |
| 4382                                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 6649                                                                             | COMPOSITE | 3/8                            |      | 10.0TTG            |                       | UA            |
| <b>WinTech ; Monett, MO</b>                                                       |           |                                |      |                  |                       |               | 6650                                                                             | COMPOSITE | 1/2                            |      | 12.0TTG            |                       | UA            |
| 6433                                                                              | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            | 6651                                                                             | COMPOSITE | *                              |      | 15.0TTG (4)        |                       | UA            |
| 6434                                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 6652                                                                             | COMPOSITE | (H)                            |      | 12, 20+LTG (ip)(T) | (.035)                | UA            |
| <b>Wisconsin Shower Door &amp; Supply Corp ; Menomonee Falls, WI</b>              |           |                                |      |                  |                       |               | 6653                                                                             | COMPOSITE | (H)                            |      | 16LTG (b)(A)       | (.060)                | UA            |
| 5585                                                                              | COMPOSITE | 1/8                            |      | 3.0TTG           |                       | UA            | <b>Xianning CSG Energy Conservation Glass Co., LTD. ; Xianning, Hubei, China</b> |           |                                |      |                    |                       |               |
| 5587                                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 5979                                                                             | COMP+CAN  | 3/16                           |      | 5.0TTG             |                       | UA            |
| 5588                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 6004                                                                             | COMP+CAN  | 1/4                            |      | 6.0TTG             |                       | UA            |
| 5589                                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 6005                                                                             | COMP+CAN  | 5/16                           |      | 8.0TTG             |                       | UA            |
| 5590                                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 5980                                                                             | COMP+CAN  | 3/8                            |      | 10.0TTG            |                       | UA            |
| 5592                                                                              | COMPOSITE | 1/8                            |      | 3.0TPG (s)       |                       | UA            | 5981                                                                             | COMP+CAN  | *                              |      | 12.0TTG (4)        |                       | UA            |
| 5594                                                                              | COMPOSITE | 3/16                           |      | 5.0TPG (s)       |                       | UA            | 5982                                                                             | COMP+CAN  | *                              |      | 15.0TTG (4)        |                       | UA            |
| 5595                                                                              | COMPOSITE | 1/4                            |      | 6.0TPG (m)       |                       | UA            | 5983                                                                             | COMP+CAN  | 3/4                            |      | 19.0TTG            |                       | UA            |
| 5596                                                                              | COMPOSITE | 3/8                            |      | 10.0TPG (m)      |                       | UA            | <b>Xinyi Glass (Tianjin) Co. Ltd. ; Tianjin, China</b>                           |           |                                |      |                    |                       |               |
| 5597                                                                              | COMPOSITE | 1/2                            |      | 12.0TPG (m)      |                       | UA            | 5532                                                                             | COMP+CAN  | 3/16                           |      | 5.0TTG             |                       | UA            |
| <b>Wolverine Glass Products, Inc. ; Grand Rapids, MI</b>                          |           |                                |      |                  |                       |               | 5533                                                                             | COMP+CAN  | 1/4                            |      | 6.0TTG             |                       | UA            |
| 5425                                                                              | COMP+CAN  | 1/8                            |      | 3.0TTG           |                       | UA            | 5534                                                                             | COMP+CAN  | 5/16                           |      | 8.0TTG             |                       | UA            |
| 5426                                                                              | COMP+CAN  | 5/32                           |      | 4.0TTG           |                       | UA            | 5535                                                                             | COMP+CAN  | 3/8                            |      | 10.0TTG            |                       | UA            |
| 5427                                                                              | COMP+CAN  | 3/16                           |      | 5.0TTG           |                       | UA            | 5536                                                                             | COMP+CAN  | 1/2                            |      | 12.0TTG            |                       | UA            |
| 5428                                                                              | COMP+CAN  | 1/4                            |      | 6.0TTG           |                       | UA            | 6329                                                                             | COMP+CAN  | *                              |      | 15.0TTG (4)        |                       | UA            |
| 5429                                                                              | COMP+CAN  | 5/16                           |      | 8.0TTG           |                       | UA            | 5538                                                                             | COMP+CAN  | (S)                            |      | 6LTG (b)(A)        | (.030)                | UA            |
| 5430                                                                              | COMP+CAN  | 3/8                            |      | 10.0TTG          |                       | UA            | 5539                                                                             | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)    | (.030)                | UA            |
| 5431                                                                              | COMP+CAN  | 1/2                            |      | 12.0TTG          |                       | UA            | <b>Xinyi Glass (Yingkou) Co., Ltd. ; Liaoning, China</b>                         |           |                                |      |                    |                       |               |
| 6059                                                                              | COMP+CAN  | 1/8                            |      | 3.0TPG (m)       |                       | UA            | 6848                                                                             | COMPOSITE | 1/4                            |      | 6.0TTG             |                       | UA            |
| 6060                                                                              | COMP+CAN  | 5/32                           |      | 4.0TPG (m)       |                       | UA            | 6849                                                                             | COMPOSITE | 5/16                           |      | 8.0TTG             |                       | UA            |
| <b>WSD Glass, Inc. ; Winston-Salem, NC</b>                                        |           |                                |      |                  |                       |               | 6850                                                                             | COMPOSITE | 3/8                            |      | 10.0TTG            |                       | UA            |
| 4048                                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 6851                                                                             | COMPOSITE | 1/2                            |      | 12.0TTG            |                       | UA            |
| 4049                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 6852                                                                             | COMPOSITE | (S)                            |      | 6LTG (b)(A)        | (.030)                | UA            |
| 4052                                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 6853                                                                             | COMPOSITE | (H)                            |      | 8-16+LTG (b)(A)    | (.030)                | UA            |
| 4050                                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | <b>Xinyi Group (Glass) Co., Ltd. ; Dongguan, Guangdong, China</b>                |           |                                |      |                    |                       |               |
| 4051                                                                              | COMPOSITE | 3/16                           |      | 5.0TPG (s)       |                       | UA            | 3085                                                                             | COMP+CAN  | 3/16                           |      | 5.0TTG             |                       | UA            |
| <b>Wujiang CSG Huadong Architectural Glass Co., LTD ; Wujiang, Jiangsu, China</b> |           |                                |      |                  |                       |               | 3053                                                                             | COMP+CAN  | 1/4                            |      | 6.0TTG             |                       | UA            |
| 6783                                                                              | COMPOSITE | 5/32                           |      | 4.0TTG           |                       | UA            | 4648                                                                             | COMP+CAN  | 5/16                           |      | 8.0TTG             |                       | UA            |
| 6784                                                                              | COMPOSITE | 3/16                           |      | 5.0TTG           |                       | UA            | 3054                                                                             | COMP+CAN  | 3/8                            |      | 10.0TTG            |                       | UA            |
| 6785                                                                              | COMPOSITE | 1/4                            |      | 6.0TTG           |                       | UA            | 3055                                                                             | COMP+CAN  | *                              |      | 12.0TTG (4)        |                       | UA            |
| 6786                                                                              | COMPOSITE | 5/16                           |      | 8.0TTG           |                       | UA            | 4179                                                                             | COMP+CAN  | *                              |      | 15.0TTG (4)        |                       | UA            |
| 6787                                                                              | COMPOSITE | 3/8                            |      | 10.0TTG          |                       | UA            | 3056                                                                             | COMP+CAN  | (S)                            |      | 6LTG (b)(A)        | (.030)                | UA            |
| 6788                                                                              | COMPOSITE | 1/2                            |      | 12.0TTG          |                       | UA            | 3489                                                                             | COMP+CAN  | (H)                            |      | 8-16+LTG (b)(A)    | (.030)                | UA            |
| 6789                                                                              | COMPOSITE | *                              |      | 15.0TTG (4)      |                       | UA            |                                                                                  |           |                                |      |                    |                       |               |
| 6790                                                                              | COMPOSITE | (H)                            |      | 8-16+LTG (b)(A)  | (.030)                | UA            |                                                                                  |           |                                |      |                    |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                                                    | TEST STD  | INCHES (MM)          | TYPE            | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS | SGCC#                                                                              | TEST STD | INCHES (MM)          | TYPE    | MAX SIZE<br>CERTIFIED | ANSI<br>CLASS |
|------------------------------------------------------------------------------------------|-----------|----------------------|-----------------|-----------------------|---------------|------------------------------------------------------------------------------------|----------|----------------------|---------|-----------------------|---------------|
|                                                                                          |           | (THICKNESS<br>CLASS) |                 |                       |               |                                                                                    |          | (THICKNESS<br>CLASS) |         |                       |               |
| <b>Yao Xiang Glass Product Co. Ltd. ; Foshan, Guangdong, China</b>                       |           |                      |                 |                       |               | <b>Zhongshan Walle Glass Product Co., Ltd ; Zhongshan City, Guangdong Province</b> |          |                      |         |                       |               |
| 3736                                                                                     | COMP+CAN  | 5/32                 | 4.0TTG          |                       | UA            | 6725                                                                               | COMP+CAN | 1/4                  | 6.0TTG  |                       | UA            |
| 3737                                                                                     | COMP+CAN  | 3/16                 | 5.0TTG          |                       | UA            | 6726                                                                               | COMP+CAN | 5/16                 | 8.0TTG  |                       | UA            |
| 3738                                                                                     | COMP+CAN  | 1/4                  | 6.0TTG          |                       | UA            | 6727                                                                               | COMP+CAN | 3/8                  | 10.0TTG |                       | UA            |
| 3739                                                                                     | COMP+CAN  | 5/16                 | 8.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 3740                                                                                     | COMP+CAN  | 3/8                  | 10.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 3741                                                                                     | COMP+CAN  | 1/2                  | 12.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 3742                                                                                     | COMP+CAN  | 3/16                 | 5.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 3743                                                                                     | COMP+CAN  | 1/4                  | 6.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| <b>Yitian (Cattis) Glass Product Co., Ltd ; Foshan, Guangdong, China</b>                 |           |                      |                 |                       |               |                                                                                    |          |                      |         |                       |               |
| 6452                                                                                     | COMP+CAN  | 3/16                 | 5.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6453                                                                                     | COMP+CAN  | 1/4                  | 6.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6454                                                                                     | COMP+CAN  | 5/16                 | 8.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6455                                                                                     | COMP+CAN  | 3/8                  | 10.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6456                                                                                     | COMP+CAN  | 3/16                 | 5.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6457                                                                                     | COMP+CAN  | 1/4                  | 6.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6458                                                                                     | COMP+CAN  | 5/16                 | 8.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| <b>Yong Feng Tai Foshan City Glas Co., LTD. ; Foshan, Guangdong, China</b>               |           |                      |                 |                       |               |                                                                                    |          |                      |         |                       |               |
| 6877                                                                                     | COMP+CAN  | 5/32                 | 4.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5890                                                                                     | COMP+CAN  | 3/16                 | 5.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5891                                                                                     | COMP+CAN  | 1/4                  | 6.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5892                                                                                     | COMP+CAN  | 5/16                 | 8.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5893                                                                                     | COMP+CAN  | 3/8                  | 10.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 7069                                                                                     | COMP+CAN  | 5/32                 | 4.0TPG (d)      |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6878                                                                                     | COMP+CAN  | 3/16                 | 5.0TPG (m)      |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 7066                                                                                     | COMP+CAN  | 3/16                 | 5.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5894                                                                                     | COMP+CAN  | 1/4                  | 6.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6879                                                                                     | COMP+CAN  | 5/16                 | 8.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| <b>Zhangjiagang City Daming Glass Product Co., Ltd ; Zhangjiagang City, Jiangsu</b>      |           |                      |                 |                       |               |                                                                                    |          |                      |         |                       |               |
| 5464                                                                                     | COMP+CAN  | 5/16                 | 8.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5465                                                                                     | COMP+CAN  | 3/8                  | 10.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5466                                                                                     | COMP+CAN  | 1/2                  | 12.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 7048                                                                                     | COMP+CAN  | (H)                  | 8-10LTG (ip)(A) | (.035)                | UA            |                                                                                    |          |                      |         |                       |               |
| <b>Zhangjiagang Weiyu Fabricated Glass Co. Ltd. ; Zhangjiagang, Jiangsu, China</b>       |           |                      |                 |                       |               |                                                                                    |          |                      |         |                       |               |
| 5737                                                                                     | COMP+CAN  | 1/8                  | 3.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5738                                                                                     | COMP+CAN  | 5/32                 | 4.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5739                                                                                     | COMP+CAN  | 3/16                 | 5.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5740                                                                                     | COMP+CAN  | 1/4                  | 6.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 7141                                                                                     | COMP+CAN  | 5/16                 | 8.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 7142                                                                                     | COMP+CAN  | 3/8                  | 10.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| <b>Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd ; Hangzhou, Zhejiang, China</b> |           |                      |                 |                       |               |                                                                                    |          |                      |         |                       |               |
| 5077                                                                                     | COMP+CAN  | 3/16                 | 5.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5078                                                                                     | COMP+CAN  | 1/4                  | 6.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5079                                                                                     | COMP+CAN  | 5/16                 | 8.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 5080                                                                                     | COMP+CAN  | 3/8                  | 10.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6051                                                                                     | COMP+CAN  | (H)                  | 10LTG (b)(A)    | (.030)                | UA            |                                                                                    |          |                      |         |                       |               |
| <b>Zhongshan Fuan Glass Co., Ltd. ; Zhongshan, Guangdong</b>                             |           |                      |                 |                       |               |                                                                                    |          |                      |         |                       |               |
| 6654                                                                                     | COMPOSITE | 1/4                  | 6.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6655                                                                                     | COMPOSITE | 5/16                 | 8.0TTG          |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6656                                                                                     | COMPOSITE | 3/8                  | 10.0TTG         |                       | UA            |                                                                                    |          |                      |         |                       |               |
| 6658                                                                                     | COMPOSITE | 5/16                 | 8.0TBG          |                       | UA            |                                                                                    |          |                      |         |                       |               |

**Certified Products-Alphabetical By Plant**

| SGCC# | TEST STD | INCHES (MM)       | TYPE | MAX SIZE  | ANSI  | SGCC# | TEST STD | INCHES (MM)       | TYPE | MAX SIZE  | ANSI  |
|-------|----------|-------------------|------|-----------|-------|-------|----------|-------------------|------|-----------|-------|
|       |          | (THICKNESS CLASS) |      | CERTIFIED | CLASS |       |          | (THICKNESS CLASS) |      | CERTIFIED | CLASS |

**CERTIFIED PRODUCTS KEY****Glass Product Type Codes**

|      |                                            |
|------|--------------------------------------------|
| TTG  | TEMPERED TRANSPARENT GLASS                 |
| TPG  | TEMPERED PATTERNED GLASS                   |
| TBG  | TEMPERED BENT GLASS                        |
| TBP  | TEMPERED BENT PATTERNED GLASS              |
| LTG  | LAMINATED TRANSPARENT GLASS                |
| LSP  | LAMINATED SPECIALTY PRODUCTS               |
| OCG  | ORGANIC COATED GLASS                       |
| OCH  | ORGANIC COATED GLASS HYBRID                |
| SPS  | SAFETY PLASTIC SHEET                       |
| VIGT | VACUUM INSULATING GLASS TEMPERED           |
| VIGL | VACUUM INSULATING GLASS LAMINATED          |
| VITL | VACUUM INSULATING GLASS TEMPERED LAMINATED |

**Pattern Glass Attribute Codes**

|     |                 |
|-----|-----------------|
| (s) | SHALLOW PATTERN |
| (m) | MEDIUM PATTERN  |
| (d) | DEEP PATTERN    |

**Miscellaneous Codes**

|      |                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| (IN) | INACTIVE (Products bearing this designation have executed a Test Release Bond waiving testing for this certification period due to inactive production) |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|

**Glass Standard Attribute Codes**

|      |                                                                   |
|------|-------------------------------------------------------------------|
| U    | UNLIMITED SIZE CATEGORY                                           |
| A    | ANSI STANDARD - DROP HEIGHT CLASS - 48 INCH DROP                  |
| B    | ANSI STANDARD - DROP HEIGHT CLASS - 18 INCH DROP                  |
| (2)  | CONFORMS TO EN 572-7 THICKNESS TOLERANCES FOR BENT/CHANNEL GLASS  |
| (3)  | CONFORMS TO EN 572-2 THICKNESS TOLERANCES FOR TEMPERED GLASS      |
| (4)  | CONFORMS TO EN 12150 THICKNESS TOLERANCES FOR TEMPERED GLASS      |
| (5)  | CONFORMS TO EN 572-5 THICKNESS TOLERANCES FOR PATTERNED GLASS     |
| (6)  | INDOOR USE ONLY                                                   |
| (7)  | CONFORMS TO JIS 3202:2011 THICKNESS TOLERANCES FOR TEMPERED GLASS |
| (c1) | CPSC CAT 1 ONLY                                                   |
| (*)  | INDICATES EN STANDARD THICKNESS TOLERANCE                         |

**Laminated Glass Attribute Codes**

|      |                                              |
|------|----------------------------------------------|
| (S)  | STANDARD THICKNESS CLASS FOR LAMINATED GLASS |
| (H)  | HEAVY THICKNESS CLASS FOR LAMINATED GLASS    |
| (A)  | ANNEALED                                     |
| (HS) | HEAT STRENGTHENED                            |
| (T)  | TEMPERED                                     |
| (CS) | CHEMICALLY STRENGTHENED                      |
| (b)  | POLY VINYL BUTRAL INTERLAYER                 |
| (el) | EPOXY LIQUID CRYSTAL POLYMER                 |
| (ip) | IONOMER                                      |
| (lc) | LIQUID RESIN - MULTI COMPONENT               |
| (lu) | LIQUID RESIN - UV CURE                       |
| (p)  | POLYETHYLENE TEREPHTHALATE                   |
| (f)  | FLUORINATED ETHYLENE PROPYLENE INTERLAYER    |
| (u)  | POLYURETHANE                                 |
| (ev) | ETHYLENE-VINYL ACETATE                       |



***Certified Products-By Product Type***

|                                                   |                     | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|---------------------------------------------------|---------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <b><u>Vacuum Insulating Glass Tempered</u></b>    |                     |               |                 |               |                               |                       |
| <i>5/16 Inch Vacuum Insulating Glass Tempered</i> |                     |               |                 |               |                               |                       |
| Guardian VIG, LLC                                 | Millbury, OH        | 6724          | COMPOSITE       |               | 100 U                         | A                     |
| LandGlass Technology Co., LTD                     | Luoyang, China      | 6999          | COMPOSITE       |               | 100 U                         | A                     |
| <i>3/8 Inch Vacuum Insulating Glass Tempered</i>  |                     |               |                 |               |                               |                       |
| LandGlass Technology Co., LTD                     | Luoyang, China      | 6476          | COMPOSITE       |               | 100 U                         | A                     |
| <b><u>Tempered Transparent Glass</u></b>          |                     |               |                 |               |                               |                       |
| <i>1/8 Inch Tempered Transparent Glass</i>        |                     |               |                 |               |                               |                       |
| 24 Hour Thermal Glass Insulated Ltd.              | Concord, ON         | 6917          | COMPOSITE       |               | 450 U                         | A                     |
| AGC Flat Glass North America                      | Spring Hill, KS     | 1702          | COMP+CAN        |               | 500 U                         | A                     |
| AGC Flat Glass North America                      | Greenland, TN       | 598           | COMP+CAN        |               | 285 U                         | A                     |
| AGC, Poma Glass Co. N.A.                          | Boardman, OH        | 5471          | COMP+CAN        |               | 800 U                         | A                     |
| AGC-Poma Glass Co. N.A.                           | Quakertown, PA      | 2507          | COMPOSITE       |               | 800 U                         | A                     |
| Aldora Aluminum and Glass Products Inc.           | Charleston, SC      | 4328          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.          | Orlando, FL         | 5574          | COMPOSITE       |               | 285 U                         | A                     |
| All Counties Glass                                | Stockton, CA        | 6409          | COMP+CAN        |               | 125 U                         | A                     |
| All Weather Architectural Aluminum                | Vacaville, CA       | 6395          | COMP+CAN        |               | 125 U                         | A                     |
| All Weather Tempering of Arizona, LLC.            | Phoenix, AZ         | 6377          | COMPOSITE       |               | 125 U                         | A                     |
| American Insulated Glass Inc.                     | Conley, GA          | 5283          | COMPOSITE       |               | 165 U                         | A                     |
| Amsco Windows                                     | Salt Lake City, UT  | 2578          | COMPOSITE       |               | 750 U                         | A                     |
| Anthony International                             | Madison, GA         | 3249          | COMPOSITE       |               | 165 U                         | A                     |
| Anthony International                             | San Fernando, CA    | 520           | COMPOSITE       |               | 250 U                         | A                     |
| Architectural Glass Products, LLC.                | St. Louis, MO       | 4571          | COMPOSITE       |               | 100 U                         | A                     |
| Arlene Stained Glass & Door                       | Houston, TX         | 5127          | COMPOSITE       |               | 175 U                         | A                     |
| ATI Windows                                       | Riverside, CA       | 5635          | COMPOSITE       |               | 250 U                         | A                     |
| ATN Holding Inc.                                  | Mira Loma, CA       | 5887          | COMPOSITE       |               | 250 U                         | A                     |
| Basco Engineered Products                         | Hamilton, OH        | 4139          | COMPOSITE       |               | 200 U                         | A                     |
| Bel Pre Glassworks Inc.                           | Rockville, MD       | 6320          | COMPOSITE       |               | 800 U                         | A                     |
| Blue Star Glass Inc.                              | North Brunswick, NJ | 4517          | COMPOSITE       |               | 100 U                         | A                     |
| Bronco Industries, Inc.                           | Delta, BC           | 6973          | COMP+CAN        |               | 195 U                         | A                     |
| Cameron Glass, Inc.                               | Broken Arrow, OK    | 4832          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal CG                                       | Moreno Valley, CA   | 2293          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CG                                       | Mazomanie, WI       | 4780          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                       | Galt, CA            | 2357          | COMPOSITE       |               | 125 U                         | A                     |
| Cardinal CG                                       | Loveland, CO        | 3579          | COMPOSITE       |               | 500 U                         | A                     |
| Cardinal CG                                       | Spring Green, WI    | 2067          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal CG                                       | Tumwater, WA        | 2007          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal CG                                       | Northfield, MN      | 1985          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                       | Buford, GA          | 1921          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CG                                       | Waxahachie, TX      | 2699          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal CG                                       | Casa Grande, AZ     | 2878          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CT                                       | Utica, OH           | 4620          | COMP+CAN        |               | 200 U                         | A                     |
| Cardinal CT                                       | Adel, GA            | 5095          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CT                                       | Easton, PA          | 4756          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal CT                                       | Mount Airy, NC      | 4578          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CT                                       | Los Angeles, CA     | 5085          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CT                                       | Fort Worth, TX      | 7317          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal CT - S                                   | Irving TX           | 5101          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal CT - W                                   | Irving TX           | 5245          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal FG                                       | Durant, OK          | 2909          | COMP+CAN        |               | 175 U                         | A                     |

**Certified Products-By Product Type**

|                                                  |                                   | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------------|-----------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/8 Inch Tempered Transparent Glass</i>       |                                   |               |                 |               |                               |                       |
| Cardinal IG                                      | Ocala, FL                         | 3505          | COMPOSITE       |               | 850 U                         | A                     |
| Cardinal IG                                      | Spring Green, WI                  | 1831          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                      | Mountain Top, PA                  | 3068          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal IG                                      | Waxahachie, TX                    | 2328          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal IG                                      | Greenfield, IA                    | 1827          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal IG                                      | Buckeye, AZ                       | 6556          | COMP+CAN        |               | 125 U                         | A                     |
| Cardinal IG                                      | Fremont, IN                       | 2176          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                      | Tomah, WI                         | 2317          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal IG                                      | Fargo, ND                         | 2235          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                      | Hood River, OR                    | 2831          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal IG                                      | Vinton, VA                        | 2919          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal TG                                      | Chehalis, WA                      | 3455          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal TG                                      | Tomah, WI                         | 1804          | COMP+CAN        |               | 600 U                         | A                     |
| Changshu Fardglass Co. Ltd.                      | Changshu, Jiangsu                 | 6684          | COMP+CAN        |               | 125 U                         | A                     |
| ChangShu MayBo Glass Co., Ltd                    | Changshu, Jiangsu, China          | 7115          | COMPOSITE       |               | 285 U                         | A                     |
| Changshu Weier Glass Products Co. Ltd.           | Changshu, Jiangsu, China          | 5351          | COMPOSITE       |               | 195 U                         | A                     |
| Changshu Xingfu Glass Building Material Co., LTD | Changshu, Jiangsu, China          | 4657          | COMP+CAN        |               | 165 U                         | A                     |
| Changshu ZhongXin Building Materials Co., Ltd.   | Changshu, Jiangsu, China          | 2432          | COMP+CAN        |               | 750 U                         | A                     |
| Changshu Zhouxing Glass Co. Ltd.                 | Changshu, Jiangsu Province, China | 4936          | COMP+CAN        |               | 125 U                         | A                     |
| Cleer Vision Tempered Glass                      | Elkhart, IN                       | 4546          | COMP+CAN        |               | 200 U                         | A                     |
| Commercial Insulating Glass Co.                  | Cumberland City, TN               | 3806          | COMPOSITE       |               | 165 U                         | A                     |
| Commercial Insulating Glass Co.                  | Sarasota, FL                      | 1889          | COMPOSITE       |               | 285 30x76                     | A                     |
| Consolidated Glass Corp.                         | New Castle, PA                    | 1998          | COMP+CAN        |               | 285 U                         | A                     |
| Contour Industries, Inc.                         | Surgoinsville, TN                 | 1680          | COMP+CAN        |               | 285 U                         | A                     |
| Contract Glass                                   | Billerica, MA                     | 4970          | COMPOSITE       |               | 100 U                         | A                     |
| Contractors Wardrobe                             | Valencia, CA                      | 3464          | COMP+CAN        |               | 250 U                         | A                     |
| Custom Glass Solutions Millbury Corp.            | Millbury, OH                      | 6353          | COMPOSITE       | (IN)          | 200 U                         | A                     |
| Dalian Huaying Glass Limited Liability Co.       | Liaoning, China                   | 5260          | COMP+CAN        |               | 285 U                         | A                     |
| Dallas Flat Glass                                | Carrollton, TX                    | 4790          | COMPOSITE       |               | 175 U                         | A                     |
| Deqing Sanxing Plastic Chemical Co. Ltd.         | Huzhou, Zhejiang, China           | 4055          | COMPOSITE       |               | 750 U                         | A                     |
| Dillmeier Enterprise, Inc.                       | Van Buren, AR                     | 4838          | COMPOSITE       |               | 175 U                         | A                     |
| EFCO Corporation                                 | Monett, MO                        | 4121          | COMPOSITE       |               | 175 U                         | A                     |
| Engineered Glass Products, L.L.C.                | Chicago, IL                       | 4388          | COMPOSITE       |               | 200 26x72                     | A                     |
| Flat Glass Distributors                          | Jacksonville, FL                  | 3822          | COMPOSITE       |               | 285 U                         | A                     |
| Foshan YC Glass Co., Ltd.                        | Guangdong, China                  | 6791          | COMPOSITE       |               | 125 U                         | A                     |
| Fujian Chengda Glass Co., Ltd                    | Longhai, Zhangzhou                | 7182          | COMPOSITE       |               | 125 U                         | A                     |
| General Glass                                    | Vancouver, WA                     | 4031          | COMPOSITE       |               | 195 U                         | A                     |
| Glass and Mirror Craft                           | Wixom, MI                         | 4198          | COMP+CAN        |               | 150 U                         | A                     |
| GlassFab Tempering Services Inc. Holly Drive     | Tracy, CA                         | 6118          | COMPOSITE       |               | 125 U                         | A                     |
| GlassFab Tempering Services, Inc. Mariani Ct.    | Tracy, CA                         | 5584          | COMPOSITE       |               | 125 U                         | A                     |
| Glasswerks GWLA- East                            | South Gate, CA                    | 4804          | COMPOSITE       |               | 250 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Santa Teresa, NM                  | 6599          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Albuquerque, NM                   | 6589          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Tucson, AZ                        | 6574          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Englewood, CO                     | 2185          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Boise, ID                         | 6607          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Phoenix, AZ                       | 6582          | COMPOSITE       |               | 175 U                         | A                     |

***Certified Products-By Product Type***

|                                            |                           | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------|---------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/8 Inch Tempered Transparent Glass</i> |                           |               |                 |               |                               |                       |
| Glenny Glass Co.                           | Milford, OH               | 3841          | COMPOSITE       |               | 200 U                         | A                     |
| Global Security Glazing                    | Selma, AL                 | 4764          | COMP+CAN        |               | 285 U                         | A                     |
| Guardian Glass, LLC                        | Carleton, MI              | 933           | COMP+CAN        |               | 200 U                         | A                     |
| Guardian Glass, LLC                        | Corsicana, TX             | 1248          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                        | Richburg, SC              | 1630          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                        | Geneva, NY                | 2259          | COMP+CAN        |               | 400 U                         | A                     |
| Guardian Glass, LLC                        | DeWitt, IA                | 2020          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Glass, LLC                        | Kingsburg, CA             | 968           | COMP+CAN        |               | 125 U                         | A                     |
| Guardian IG LLC                            | Sun Prairie, WI           | 5640          | COMP+CAN        |               | 150 U                         | A                     |
| Guardian Industries Corp.                  | Galax, VA                 | 4604          | COMP+CAN        |               | 285 U                         | A                     |
| Guardian VIG, LLC                          | Millbury, OH              | 7090          | COMP+CAN        |               | 100 U                         | A                     |
| Huachuang Longfei Glass Co., Ltd.          | Heibei China              | 6041          | COMPOSITE       |               | 250 U                         | A                     |
| Industries Vanier Inc.                     | Anjou, QC                 | 6952          | COMP+CAN        |               | 450 U                         | A                     |
| Innovative Glass of America, Inc.          | Dallas, NC                | 3859          | COMPOSITE       |               | 165 U                         | A                     |
| Innovative Glass Products LLC              | Carrollton, TX            | 7062          | COMPOSITE       |               | 175 U                         | A                     |
| Insulite Glass Co., Inc.                   | Olathe, KS                | 4473          | COMPOSITE       |               | 150 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.             | Xiamen, Fujian, China     | 2572          | COMP+CAN        |               | 200 U                         | A                     |
| Intigral                                   | Walton Hills, OH          | 2050          | COMP+CAN        |               | 103 U                         | A                     |
| J&C International Ltd.                     | Zhejiang, China           | 6676          | COMP+CAN        |               | 850 U                         | A                     |
| Jiangyin Mingyang Glass Production         | Jiangyin City, Jiangsu    | 5777          | COMPOSITE       |               | 125 U                         | A                     |
| Jinzhou Fortune Spring Glass Co., Ltd.     | Jinzhou, Liaoning, China  | 7268          | COMP+CAN        |               | 100 U                         | A                     |
| JYC Glass Co. Ltd.                         | Foshan, Guangdong, China  | 3957          | COMP+CAN        |               | 125 U                         | A                     |
| Kawneer - (Cranberry) an Arconic Company   | Cranberry Township, PA    | 2488          | COMPOSITE       |               | 100 U                         | A                     |
| Kohler Company                             | Union City, TN            | 1979          | COMPOSITE       |               | 165 U                         | A                     |
| Louisville Plate Glass                     | Louisville, KY            | 6070          | COMPOSITE       |               | 200 U                         | A                     |
| LTI Smart Glass, Inc.                      | Pittsfield, MA            | 7079          | COMPOSITE       |               | 400 U                         | A                     |
| M Industria S.A. DE C.V.                   | Merida, Yucatan Mexico    | 5761          | COMP+CAN        |               | 285 U                         | A                     |
| Manko Window Systems                       | Aurora, CO                | 6275          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                              | Des Moines, IA            | 6286          | COMPOSITE       |               | 500 U                         | A                     |
| Maryland Glass & Mirror                    | Baltimore, MD             | 4318          | COMPOSITE       |               | 100 U                         | A                     |
| Mid-American Glass                         | Davenport, IA             | 7227          | COMPOSITE       |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.             | Highland, MI              | 6027          | COMP+CAN        |               | 200 U                         | A                     |
| Multiver                                   | Vanier, QC                | 2498          | COMPOSITE       |               | 400 U                         | A                     |
| Nashville Tempered Glass Corp.             | Nashville, TN             | 1416          | COMP+CAN        |               | 285 U                         | A                     |
| New Angle Beveling                         | Clearfield, PA            | 5772          | COMPOSITE       |               | 103 U                         | A                     |
| New Angle Beveling                         | Hyde, PA                  | 4593          | COMPOSITE       |               | 103 U                         | A                     |
| Northeast Building Products                | Philadelphia, PA          | 7281          | COMPOSITE       |               | 100 U                         | A                     |
| Northwestern Glass Fab                     | Fridley, MN               | 6733          | COMPOSITE       |               | 150 U                         | A                     |
| Novatech Canada Inc.                       | St-Agapit, Quebec, Canada | 7006          | COMP+CAN        |               | 450 U                         | A                     |
| Novatech Canada Inc.                       | Montreal, Quebec, Canada  | 6217          | COMP+CAN        |               | 450 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Concord, ON               | 3439          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Langley, BC               | 3286          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Covington, GA             | 3329          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Rock Hill, SC             | 3276          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Phoenix, AZ               | 3128          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Perrysburg, OH            | 3233          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Hauppauge, NY             | 1546          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Moorestown, NJ            | 3180          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Vancouver, WA             | 3219          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Schofield, WI             | 3167          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Shawnee, OK               | 3095          | COMP+CAN        |               | 175 U                         | A                     |

***Certified Products-By Product Type***

|                                                   |                                     | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|---------------------------------------------------|-------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/8 Inch Tempered Transparent Glass</i>        |                                     |               |                 |               |                               |                       |
| Oldcastle BuildingEnvelope®                       | Albertville, MN                     | 3104          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Los Angeles, CA                     | 1608          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Tampa, FL                           | 3116          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Denver, CO                          | 3310          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Calgary, AB                         | 3263          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Grand Prairie, TX                   | 3250          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Houston, TX                         | 3156          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Miami, FL                           | 3496          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Indianapolis, IN                    | 2210          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Warrenton, MO                       | 3144          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Wright City, MO                     | 3137          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Fremont, CA                         | 3191          | COMP+CAN        |               | 125 U                         | A                     |
| Paragon Tempered Glass                            | Antwerp, OH                         | 2684          | COMPOSITE       |               | 500 U                         | A                     |
| Patio Enclosures                                  | Macedonia, OH                       | 6022          | COMPOSITE       |               | 200 U                         | A                     |
| Patriot Armored Systems, LLC                      | Lee, MA                             | 6688          | COMPOSITE       |               | 100 U                         | A                     |
| Perficom S.A. DE C.V.                             | San Juan Del Rio, Queretaro, Mexico | 4512          | COMPOSITE       |               | 175 U                         | A                     |
| PFG Glass                                         | Langley, BC                         | 3538          | COMP+CAN        |               | 750 U                         | A                     |
| PGT Industries                                    | North Venice, FL                    | 2389          | COMPOSITE       |               | 850 U                         | A                     |
| Prelco Inc.                                       | Saint-Jacques, NB                   | 4911          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                       | Riviere-du-loup, QC                 | 2034          | COMP+CAN        |               | 450 U                         | A                     |
| Press Glass, Inc.                                 | Stoneville, NC                      | 2728          | COMPOSITE       |               | 285 U                         | A                     |
| Procesadora De Jalisco S.A. DE C.V. - Queretaro   | San Juan del Rio, Queretaro         | 6716          | COMPOSITE       |               | 175 U                         | A                     |
| Produits Verrier International Inc.               | Montreal, Quebec                    | 5498          | COMP+CAN        |               | 450 U                         | A                     |
| Qingdao Ideal Building Material Co. Ltd.          | Qingdao, Shandong                   | 6776          | COMPOSITE       |               | 195 U                         | A                     |
| Qingdao Jinjing Co., Ltd.                         | Qingdao City, Shandong China        | 5613          | COMP+CAN        |               | 125 U                         | A                     |
| Qingdao Laurel Glass Technology Co., Ltd          | Qingdao City, China                 | 7125          | COMPOSITE       |               | 125 U                         | A                     |
| Qinhuangdao Ampac Building Products Co., Ltd.     | Qinhuangdao Hebei, China            | 5899          | COMPOSITE       |               | 100 U                         | A                     |
| Qinhuangdao Boye Glass Co., Ltd.                  | Qinhuangdao, Hebei                  | 6986          | COMPOSITE       |               | 125 U                         | A                     |
| Qinhuangdao Jingxin Glass Co., Ltd.               | Qinhuangdao City, Hebei Province    | 5280          | COMPOSITE       |               | 100 U                         | A                     |
| Qinhuangdao Qicaishi Glass Processing Co., Ltd.   | Qinhuangdao, Hebei, China           | 5141          | COMPOSITE       |               | 100 U                         | A                     |
| QinHuangDao Tianrui Tempered Technology Glass Co. | Qinhuangdao, Hebei, China           | 3690          | COMPOSITE       |               | 100 U                         | A                     |
| Quaker Window Products, Inc.                      | Freeburg, MO                        | 2985          | COMP+CAN        |               | 150 U                         | A                     |
| Robover Inc.                                      | Quebec City, QC                     | 5199          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND London                                      | London, ON                          | 3978          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Ottawa                                      | Stittsville, ON                     | 4949          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Rexdale                                     | Rexdale, ON                         | 4995          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto Inc.                                | Toronto, ON                         | 2481          | COMP+CAN        |               | 450 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                       | Sweetwater, TN                      | 1334          | COMP+CAN        |               | 285 U                         | A                     |
| SCHOTT Gemtron (Canada) Corporation               | Midland, ON Canada                  | 3067          | COMP+CAN        |               | 100 U                         | A                     |
| Shape Products LLC.                               | Sarasota, FL                        | 6502          | COMPOSITE       |               | 285 U                         | A                     |
| Sierra Glass Distributors                         | Sparks, NV                          | 6182          | COMPOSITE       |               | 125 U                         | A                     |
| SIGCO, Inc.                                       | Westbrook, ME                       | 2961          | COMPOSITE       |               | 100 U                         | A                     |
| Simonton Windows                                  | Paris, IL                           | 4979          | COMPOSITE       |               | 150 U                         | A                     |
| Simonton Windows                                  | Ellenboro, WV                       | 2887          | COMPOSITE       |               | 850 U                         | A                     |
| Solar Seal Massachusetts                          | South Easton, MA                    | 3001          | COMPOSITE       |               | 800 U                         | A                     |
| Sunfire Glass, Inc.                               | Medley, FL                          | 7035          | COMPOSITE       |               | 285 U                         | A                     |

***Certified Products-By Product Type***

|                                                                |                            | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/8 Inch Tempered Transparent Glass</i>                     |                            |               |                 |               |                               |                       |
| Swift Glass Co., Inc.                                          | Elmira Heights, NY         | 1555          | COMPOSITE       |               | 400 U                         | A                     |
| Syracuse Glass Co., Inc.                                       | Syracuse, NY               | 2654          | COMP+CAN        |               | 400 U                         | A                     |
| Tai Shan City Da Heng Art Glass Ltd.                           | Tai Shan, Guangdong, China | 3787          | COMPOSITE       |               | 750 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China | 6140          | COMP+CAN        |               | 285 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN          | 2547          | COMP+CAN        |               | 285 U                         | A                     |
| Tecnoglass S.A.                                                | Barranquilla, Colombia     | 2133          | COMP+CAN        |               | 285 U                         | A                     |
| Tempco Glass                                                   | Flushing, NY               | 6715          | COMPOSITE       |               | 400 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                | 4847          | COMPOSITE       |               | 175 U                         | A                     |
| Thermal Seal Insulating Glass                                  | Uxbridge, MA               | 5731          | COMPOSITE       |               | 285 U                         | A                     |
| Thermalsun Glass Products                                      | Santa Rosa, CA             | 6265          | COMPOSITE       |               | 125 U                         | A                     |
| Thermo BSL                                                     | Riviere-du-loup, QC        | 4290          | COMP+CAN        |               | 800 U                         | A                     |
| Thermoseal Industries, a Senneca Company                       | Gloucester City, NJ        | 6841          | COMPOSITE       |               | 100 U                         | A                     |
| Thompson I.G. LLC.                                             | Fenton, MI                 | 5303          | COMP+CAN        |               | 100 U                         | A                     |
| Tristar Glass, Inc.                                            | Catoosa, OK                | 4004          | COMPOSITE       |               | 175 U                         | A                     |
| Triton Glass LLC                                               | Albemarle, NC              | 5690          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                | 5183          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 4745          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | New Berlin, WI             | 5876          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5687          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Indianapolis, IN           | 4749          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5792          | COMPOSITE       |               | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Youngsville, NC            | 5272          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL              | 5859          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                | 5700          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV              | 4210          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | San Antonio, TX            | 3645          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Cheswick, PA               | 1784          | COMPOSITE       |               | 103 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Salt Lake City, UT         | 6447          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN              | 4209          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Grenada, MS                | 2787          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Aurora, CO                 | 5341          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                | 5432          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX             | 5396          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | City of Industry, CA       | 4182          | COMPOSITE       |               | 250 U                         | A                     |
| Tweddells Inc.                                                 | Santa Ana, CA              | 5384          | COMP+CAN        |               | 250 U                         | A                     |
| U.S. Glass Distributors Inc.                                   | Enfield, CT                | 5921          | COMP+CAN        |               | 400 U                         | A                     |
| United Plate Glass Co., Inc.                                   | Butler, PA                 | 2467          | COMP+CAN        |               | 800 U                         | A                     |
| United Plate Glass Company of Charlotte                        | Lincolnton, NC             | 3948          | COMP+CAN        |               | 165 U                         | A                     |
| Unitex Glass Chengdu Co., Ltd                                  | Chendu, Sichuan, China     | 5462          | COMPOSITE       |               | 200 U                         | A                     |
| Upstate Glass Tempering Inc.                                   | Middletown, NY             | 4926          | COMPOSITE       |               | 400 U                         | A                     |
| US Glass Tempering Inc.                                        | San Leandro, CA            | 7156          | COMPOSITE       |               | 125 U                         | A                     |
| View Inc.                                                      | Olive Branch, MS           | 4725          | COMPOSITE       |               | 175 U                         | A                     |
| Vitro Architectural Glass                                      | Barrie, ON                 | 5207          | COMP+CAN        |               | 800 U                         | A                     |
| Vitro Flat Glass, LLC                                          | Wichita Falls, TX          | 1110          | COMPOSITE       |               | 175 U                         | A                     |
| Vitro Flat Glass, LLC                                          | Carlisle, PA               | 250           | COMP+CAN        |               | 400 U                         | A                     |
| Viwinco, Inc.                                                  | Morgantown, PA             | 3074          | COMPOSITE       |               | 800 U                         | A                     |
| W. A. Wilson Inc.                                              | Wheeling, WV               | 4169          | COMPOSITE       |               | 200 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products            | Cerritos, CA               | 6084          | COMP+CAN        |               | 250 U                         | A                     |
| WGM Fabricators, LLC                                           | Whitinsville, MA           | 6364          | COMP+CAN        |               | 100 U                         | A                     |

***Certified Products-By Product Type***

|                                              |                                    | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/8 Inch Tempered Transparent Glass</i>   |                                    |               |                 |               |                               |                       |
| Whalley Glass Co                             | Derby, CT                          | 6226          | COMPOSITE       |               | 100 U                         | A                     |
| WinTech                                      | Monett, MO                         | 6433          | COMP+CAN        |               | 500 U                         | A                     |
| Wisconsin Shower Door & Supply               | Menomonee Falls, WI                | 5585          | COMPOSITE       |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.               | Grand Rapids, MI                   | 5425          | COMP+CAN        |               | 200 U                         | A                     |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd. | Zhangjiagang, Jiangsu, China       | 5737          | COMP+CAN        |               | 250 U                         | A                     |
| <i>5/32 Inch Tempered Transparent Glass</i>  |                                    |               |                 |               |                               |                       |
| 24 Hour Thermal Glass Insulated Ltd.         | Concord, ON                        | 6918          | COMPOSITE       |               | 450 U                         | A                     |
| Advantec Global Innovations                  | Langley, BC Canada                 | 4499          | COMPOSITE       |               | 750 U                         | A                     |
| AGC Flat Glass North America                 | Spring Hill, KS                    | 1703          | COMP+CAN        |               | 500 U                         | A                     |
| AGC Flat Glass North America                 | Greenland, TN                      | 955           | COMP+CAN        |               | 285 U                         | A                     |
| AGC-Poma Glass Co. N.A.                      | Quakertown, PA                     | 3421          | COMPOSITE       |               | 800 U                         | A                     |
| All Counties Glass                           | Stockton, CA                       | 6410          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                | Woodbridge, ON Canada              | 1754          | COMPOSITE       |               | 450 U                         | A                     |
| All Weather Architectural Aluminum           | Vacaville, CA                      | 6396          | COMP+CAN        |               | 125 U                         | A                     |
| All Weather Tempering of Arizona, LLC.       | Phoenix, AZ                        | 6378          | COMPOSITE       |               | 125 U                         | A                     |
| Allglass Tempering Inc.                      | Schiller Park, IL                  | 5835          | COMPOSITE       |               | 600 U                         | A                     |
| Amsco Windows                                | Salt Lake City, UT                 | 4643          | COMPOSITE       |               | 750 U                         | A                     |
| Anthony International                        | Madison, GA                        | 3027          | COMPOSITE       |               | 165 U                         | A                     |
| Anthony International                        | San Fernando, CA                   | 2289          | COMPOSITE       |               | 250 U                         | A                     |
| Ascent Glass Products (Zhong Shan) Limited   | Zhongshan City, Guangdong Province | 5865          | COMPOSITE       |               | 285 U                         | A                     |
| ATI Windows                                  | Riverside, CA                      | 5636          | COMPOSITE       |               | 250 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.              | Beijing, China                     | 6903          | COMPOSITE       |               | 125 U                         | A                     |
| Bel Shower Door Corporation                  | Englewood, CO                      | 6469          | COMP+CAN        |               | 250 U                         | A                     |
| Blue Star Glass Inc.                         | North Brunswick, NJ                | 6782          | COMPOSITE       |               | 100 U                         | A                     |
| Bronco Industries, Inc.                      | Delta, BC                          | 5871          | COMP+CAN        |               | 195 U                         | A                     |
| BVGLAZING SYSTEMS                            | Concord, ON                        | 6134          | COMP+CAN        |               | 450 U                         | A                     |
| C&C Custom Glass & Tempering, LLC            | Tulsa, OK                          | 6854          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal CG                                  | Loveland, CO                       | 3580          | COMPOSITE       |               | 500 U                         | A                     |
| Cardinal CG                                  | Mazomanie, WI                      | 4781          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                  | Buford, GA                         | 1922          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CG                                  | Spring Green, WI                   | 2068          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal CG                                  | Waxahachie, TX                     | 2700          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal CG                                  | Moreno Valley, CA                  | 2294          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CG                                  | Northfield, MN                     | 1986          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                  | Galt, CA                           | 2358          | COMPOSITE       |               | 125 U                         | A                     |
| Cardinal CG                                  | Tumwater, WA                       | 2008          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal CG                                  | Casa Grande, AZ                    | 2879          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CT                                  | Utica, OH                          | 4621          | COMP+CAN        |               | 200 U                         | A                     |
| Cardinal CT                                  | Adel, GA                           | 5096          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CT                                  | Easton, PA                         | 4757          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal CT                                  | Los Angeles, CA                    | 5086          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CT                                  | Fort Worth, TX                     | 7318          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal CT                                  | Mount Airy, NC                     | 4579          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CT - S                              | Irving TX                          | 5102          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal CT - W                              | Irving TX                          | 5246          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal FG                                  | Durant, OK                         | 2910          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal IG                                  | Greenfield, IA                     | 1828          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal IG                                  | Vinton, VA                         | 2920          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal IG                                  | Buckeye, AZ                        | 6522          | COMP+CAN        |               | 125 U                         | A                     |
| Cardinal IG                                  | Fargo, ND                          | 2234          | COMP+CAN        |               | 150 U                         | A                     |

***Certified Products-By Product Type***

|                                                           |                             | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------------|-----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/32 Inch Tempered Transparent Glass</i>               |                             |               |                 |               |                               |                       |
| Cardinal IG                                               | Waxahachie, TX              | 2329          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal IG                                               | Hood River, OR              | 2858          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal IG                                               | Spring Green, WI            | 5910          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                               | Ocala, FL                   | 3506          | COMPOSITE       |               | 850 U                         | A                     |
| Cardinal IG                                               | Mountain Top, PA            | 3069          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal IG                                               | Fremont, IN                 | 2177          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                               | Tomah, WI                   | 2318          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal Tempering                                        | Louisville, KY              | 3871          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal TG                                               | Tomah, WI                   | 1805          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal TG                                               | Chehalis, WA                | 3456          | COMP+CAN        |               | 195 U                         | A                     |
| Cat-I Manufacturing, Inc.                                 | South Elgin, IL             | 5755          | COMP+CAN        |               | 500 24x36                     | A                     |
| ChangShu MayBo Glass Co., Ltd                             | Changshu, Jiangsu, China    | 7114          | COMPOSITE       |               | 285 U                         | A                     |
| Changshu Weier Glass Products Co. Ltd.                    | Changshu, Jiangsu, China    | 5352          | COMPOSITE       |               | 195 U                         | A                     |
| Changshu ZhongXin Building Materials Co., Ltd.            | Changshu, Jiangsu, China    | 6191          | COMP+CAN        |               | 750 U                         | A                     |
| Chicago Tempered Glass, Inc.                              | Chicago, IL                 | 3086          | COMPOSITE       |               | 200 U                         | A                     |
| Cleer Vision Tempered Glass                               | Elkhart, IN                 | 4547          | COMP+CAN        |               | 200 U                         | A                     |
| Compagnie de Portes Énergétique EDC (Energy Door Company) | L'Assomption, Quebec        | 7192          | COMP+CAN        |               | 450 U                         | A                     |
| Consolidated Glass Corp.                                  | New Castle, PA              | 1999          | COMP+CAN        |               | 285 U                         | A                     |
| Contour Industries, Inc.                                  | Surgoinsville, TN           | 4285          | COMP+CAN        |               | 285 U                         | A                     |
| Contract Glass                                            | Billerica, MA               | 4971          | COMPOSITE       |               | 100 U                         | A                     |
| Contractors Wardrobe                                      | Valencia, CA                | 3465          | COMP+CAN        |               | 250 U                         | A                     |
| Custom Glass Solutions Millbury Corp.                     | Millbury, OH                | 1575          | COMPOSITE       |               | 200 U                         | A                     |
| Dalian Huaying Glass Limited Liability Co.                | Liaoning, China             | 6639          | COMP+CAN        |               | 285 U                         | A                     |
| DDG Glass Manufacturing SDN BHD                           | Johor, Malaysia             | 5621          | COMP+CAN        |               | 125 U                         | A                     |
| Deqing Sanxing Plastic Chemical Co. Ltd.                  | Huzhou, Zhejiang, China     | 4056          | COMPOSITE       |               | 750 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.                | Dongguan, Guangdong, China  | 3932          | COMP+CAN        |               | 125 U                         | A                     |
| EFI                                                       | Kernersville, NC            | 5014          | COMP+CAN        |               | 165 U                         | A                     |
| Engineered Glass Products, L.L.C.                         | Chicago, IL                 | 2589          | COMPOSITE       |               | 200 26x72                     | A                     |
| Fairis C.A.                                               | Ambato, Tungurahua, Ecuador | 4425          | COMPOSITE       |               | 285 U                         | A                     |
| Foshan YC Glass Co., Ltd.                                 | Guangdong, China            | 6817          | COMPOSITE       |               | 125 U                         | A                     |
| Fujian Chengda Glass Co., Ltd                             | Longhai, Zhangzhou          | 7183          | COMPOSITE       |               | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd             | Nan an Fujian China         | 5216          | COMPOSITE       |               | 285 U                         | A                     |
| GELI Glas Energieeffizienz Lichtdesign Ilmenau GmbH       | Ilmenau, Thuringen          | 6738          | COMPOSITE       |               | 100 U                         | A                     |
| General Glass                                             | Vancouver, WA               | 4032          | COMPOSITE       |               | 195 U                         | A                     |
| GGI Glass Distributors Corp.                              | Secaucus, NJ                | 2928          | COMPOSITE       | (IN)          | 100 U                         | A                     |
| Glass and Mirror Craft                                    | Wixom, MI                   | 5116          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Global Distributors LLC                             | North Miami, FL             | 6795          | COMPOSITE       |               | 285 U                         | A                     |
| Glassbel Baltic                                           | Klaipeda, Lithuania         | 6704          | COMPOSITE       |               | 800 U                         | A                     |
| GlasseccViracon                                           | Nazaré Paulista, São Paulo  | 6991          | COMP+CAN        |               | 150 U                         | A                     |
| Glasswerks GWA- West                                      | South Gate CA               | 5480          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWLA- East                                     | South Gate, CA              | 5882          | COMPOSITE       |               | 250 U                         | A                     |
| Goldray Industries Ltd.                                   | Calgary, AB Canada          | 2445          | COMP+CAN        |               | 195 U                         | A                     |
| Guardian Glass, LLC                                       | Geneva, NY                  | 2260          | COMP+CAN        |               | 400 U                         | A                     |
| Guardian Glass, LLC                                       | Carleton, MI                | 934           | COMP+CAN        |               | 200 U                         | A                     |
| Guardian Glass, LLC                                       | Kingsburg, CA               | 969           | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                       | DeWitt, IA                  | 2021          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Glass, LLC                                       | Corsicana, TX               | 1249          | COMP+CAN        |               | 175 U                         | A                     |

***Certified Products-By Product Type***

|                                             |                           | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|---------------------------------------------|---------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/32 Inch Tempered Transparent Glass</i> |                           |               |                 |               |                               |                       |
| Guardian Glass, LLC                         | Richburg, SC              | 1631          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian IG LLC                             | Sun Prairie, WI           | 5641          | COMP+CAN        |               | 150 U                         | A                     |
| Guardian Industries Corp.                   | Galax, VA                 | 4605          | COMP+CAN        |               | 285 U                         | A                     |
| Guardian VIG, LLC                           | Millbury, OH              | 7091          | COMP+CAN        |               | 100 U                         | A                     |
| Huahui Glass (China) Co., LD                | Quanzhou City, China      | 5843          | COMPOSITE       |               | 285 U                         | A                     |
| Industries Vanier Inc.                      | Anjou, QC                 | 6953          | COMP+CAN        |               | 450 U                         | A                     |
| Innovative Glass of America, Inc.           | Dallas, NC                | 3860          | COMPOSITE       |               | 165 U                         | A                     |
| Innovative Glass Products LLC               | Carrollton, TX            | 7063          | COMPOSITE       |               | 175 U                         | A                     |
| Insulite Glass Co., Inc.                    | Olathe, KS                | 4474          | COMPOSITE       |               | 150 U                         | A                     |
| Integral Seal Mfg. Inc.                     | Concord, ON Canada        | 4682          | COMP+CAN        |               | 100 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.              | Xiamen, Fujian, China     | 2573          | COMP+CAN        |               | 200 U                         | A                     |
| Intigral                                    | Walton Hills, OH          | 2051          | COMP+CAN        |               | 103 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.     | Guangdong, China          | 4303          | COMP+CAN        |               | 125 U                         | A                     |
| Jiangyin Mingyang Glass Production          | Jiangyin City, Jiangsu    | 5778          | COMPOSITE       |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                          | Foshan, Guangdong, China  | 3958          | COMP+CAN        |               | 125 U                         | A                     |
| Kohler Company                              | Union City, TN            | 1980          | COMPOSITE       |               | 165 U                         | A                     |
| Les Verres VMIK Inc.                        | Gatineau, QC              | 6893          | COMP+CAN        |               | 450 U                         | A                     |
| M Industria S.A. DE C.V.                    | Merida, Yucatan Mexico    | 6480          | COMP+CAN        |               | 285 U                         | A                     |
| Manko Window Systems                        | Aurora, CO                | 6276          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Window Systems- KS                    | Manhattan, KS             | 6826          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                               | Des Moines, IA            | 6287          | COMPOSITE       |               | 500 U                         | A                     |
| Mid-American Glass                          | Davenport, IA             | 7228          | COMPOSITE       |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.              | Highland, MI              | 6028          | COMP+CAN        |               | 200 U                         | A                     |
| Multiver                                    | Vanier, QC                | 2629          | COMPOSITE       |               | 400 U                         | A                     |
| Nashville Tempered Glass Corp.              | Nashville, TN             | 2497          | COMP+CAN        |               | 285 U                         | A                     |
| Nashville Tempered Glass LLC                | Hendersonville, TN        | 2691          | COMP+CAN        |               | 285 U                         | A                     |
| Ningbo Xinxin Glass Technology Co., Ltd     | Ningbo, China             | 6271          | COMPOSITE       |               | 125 U                         | A                     |
| Northeast Building Products                 | Philadelphia, PA          | 7282          | COMPOSITE       |               | 100 U                         | A                     |
| Novatech Canada Inc.                        | Montreal, Quebec, Canada  | 6218          | COMP+CAN        |               | 450 U                         | A                     |
| Novatech Canada Inc.                        | St-Agapit, Quebec, Canada | 7007          | COMP+CAN        |               | 450 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Denver, CO                | 3311          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Langley, BC               | 3287          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Albertville, MN           | 3105          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Los Angeles, CA           | 1609          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Rock Hill, SC             | 3462          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Covington, GA             | 3330          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Indianapolis, IN          | 2216          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Moorestown, NJ            | 3181          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Grand Prairie, TX         | 3251          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Perrysburg, OH            | 3234          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Calgary, AB               | 3264          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Vancouver, WA             | 3220          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Concord, ON               | 3440          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Schofield, WI             | 3168          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Shawnee, OK               | 3096          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Warrenton, MO             | 3145          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Wright City, MO           | 3138          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                 | Fremont, CA               | 3192          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.     | Pointe-aux-Trembles, QC   | 4247          | COMP+CAN        |               | 450 U                         | A                     |
| Panoramic Doors LLC                         | Oceanside, CA             | 7162          | COMPOSITE       |               | 125 U                         | A                     |



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|                                                     |                                | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------|--------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/32 Inch Tempered Transparent Glass</i>         |                                |               |                 |               |                               |                       |
| Paragon Tempered Glass                              | Antwerp, OH                    | 2685          | COMPOSITE       |               | 500 U                         | A                     |
| Patio Enclosures                                    | Macedonia, OH                  | 2057          | COMPOSITE       |               | 200 U                         | A                     |
| PFG Glass                                           | Langley, BC                    | 3539          | COMP+CAN        |               | 750 U                         | A                     |
| Pietta Glass Working Srl                            | Valenii De Munte, Romania      | 7190          | COMP+CAN        |               | 100 U                         | A                     |
| Prelco Inc.                                         | Riviere-du-loup, QC            | 2035          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                         | Saint-Jacques, NB              | 4912          | COMP+CAN        |               | 450 U                         | A                     |
| PRESS GLASS SA                                      | Tychy, Poland                  | 5852          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Radomsko, Poland               | 5845          | COMP+CAN        |               | 800 U                         | A                     |
| Produits Verrier International Inc.                 | Montreal, Quebec               | 5499          | COMP+CAN        |               | 450 U                         | A                     |
| PT Abebersa Pratama                                 | Bekasi, Indonesia              | 3905          | COMPOSITE       |               | 125 U                         | A                     |
| Qingdao Ideal Building Material Co. Ltd.            | Qingdao, Shandong              | 6777          | COMPOSITE       |               | 195 U                         | A                     |
| Qingdao Jinjing Co., Ltd.                           | Qingdao City, Shandong China   | 5617          | COMP+CAN        |               | 125 U                         | A                     |
| Qingdao Laurel Glass Technology Co., Ltd            | Qingdao City, China            | 7110          | COMP+CAN        |               | 125 U                         | A                     |
| Qinhuangdao Ampac Building Products Co., Ltd.       | Qinhuangdao Hebei, China       | 5900          | COMPOSITE       |               | 100 U                         | A                     |
| Quaker Window Products, Inc.                        | Freeburg, MO                   | 5297          | COMP+CAN        |               | 150 U                         | A                     |
| Rizhao Huaye Glass Co., Ltd.                        | Rizhao, Shandong               | 5566          | COMP+CAN        |               | 285 U                         | A                     |
| Robover Inc.                                        | Quebec City, QC                | 5200          | COMP+CAN        |               | 450 U                         | A                     |
| Rohden Vidros LTDA                                  | Taio, Santa Catarina, Brazil   | 7249          | COMPOSITE       |               | 150 U                         | A                     |
| SAAND London                                        | London, ON                     | 4278          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Ottawa                                        | Stittsville, ON                | 4950          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Rexdale                                       | Rexdale, ON                    | 4996          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto Inc.                                  | Toronto, ON                    | 2482          | COMP+CAN        |               | 450 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                         | Sweetwater, TN                 | 1332          | COMP+CAN        |               | 285 U                         | A                     |
| SCHOTT Gemtron (Canada) Corporation                 | Midland, ON Canada             | 3659          | COMP+CAN        |               | 100 U                         | A                     |
| SG Glass Industries L.L.C.                          | Miami Gardens, FL              | 6692          | COMP+CAN        |               | 285 U                         | A                     |
| Shanghai SYP Engineering Glass                      | Shanghai, China                | 4067          | COMP+CAN        |               | 125 U                         | A                     |
| SIGCO, Inc.                                         | Westbrook, ME                  | 2962          | COMPOSITE       |               | 100 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                 | Dongguan, Guangdong, China     | 4870          | COMP+CAN        |               | 285 U                         | A                     |
| Taiwan Glass Industry Corp.                         | Taipei, Taiwan, China          | 3886          | COMP+CAN        |               | 750 U                         | A                     |
| Tangshan Qimingxing Glass Deep-processing Co., Ltd. | Tangshan City, Hebei Province  | 7279          | COMPOSITE       |               | 100 U                         | A                     |
| Techni-Glass, Inc.                                  | Surgoinsville, TN              | 2548          | COMP+CAN        |               | 285 U                         | A                     |
| Tecnoglass S.A.                                     | Barranquilla, Colombia         | 2287          | COMP+CAN        |               | 285 U                         | A                     |
| Thermal Seal Insulating Glass                       | Uxbridge, MA                   | 5732          | COMPOSITE       |               | 285 U                         | A                     |
| Thermalsun Glass Products                           | Santa Rosa, CA                 | 6266          | COMPOSITE       |               | 125 U                         | A                     |
| Thermo BSL                                          | Riviere-du-loup, QC            | 4291          | COMP+CAN        |               | 800 U                         | A                     |
| Thermoseal Industries, a Senneca Company            | Gloucester City, NJ            | 7089          | COMPOSITE       |               | 100 U                         | A                     |
| Thermover 2017                                      | Saint-Leonard (Quebec), Canada | 6977          | COMP+CAN        |               | 400 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd      | Tianjin, China                 | 4021          | COMP+CAN        |               | 100 U                         | A                     |
| Tristar Glass, Inc.                                 | Catoosa, OK                    | 4005          | COMPOSITE       |               | 175 U                         | A                     |
| Triview Glass Industries                            | City of Industry, CA           | 5039          | COMP+CAN        |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Knoxville, TN                  | 4827          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Phoenix, AZ                    | 5701          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Youngsville, NC                | 5517          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Tulsa, OK                      | 5443          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fort Worth, TX                 | 5397          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Aurora, CO                     | 5348          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Houston, TX                    | 7018          | COMP+CAN        |               | 175 U                         | A                     |

***Certified Products-By Product Type***

|                                                     |                                 | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/32 Inch Tempered Transparent Glass</i>         |                                 |               |                 |               |                               |                       |
| Trulite Glass and Aluminum Solutions                | San Antonio, TX                 | 3646          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Vaughan, ON                     | 5507          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | New Berlin, WI                  | 5317          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fremont, CA                     | 5793          | COMPOSITE       |               | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | City of Industry, CA            | 4183          | COMPOSITE       |               | 250 U                         | A                     |
| Uniglass                                            | Riyadh, Saudi Arabia            | 7028          | COMPOSITE       |               | 100 U                         | A                     |
| United Plate Glass Company of Charlotte             | Lincolnton, NC                  | 4197          | COMPOSITE       |               | 165 U                         | A                     |
| Unitex Glass Chengdu Co., Ltd                       | Chendu, Sichuan, China          | 5463          | COMPOSITE       |               | 200 U                         | A                     |
| US Glass Tempering Inc.                             | San Leandro, CA                 | 7158          | COMPOSITE       |               | 125 U                         | A                     |
| Valentini Glass & Components srl                    | Brescia, Italy                  | 2423          | COMPOSITE       |               | 400 U                         | A                     |
| View Inc.                                           | Olive Branch, MS                | 4726          | COMPOSITE       |               | 175 U                         | A                     |
| Viracon Inc.                                        | Owatonna, MN                    | 4354          | COMP+CAN        |               | 150 U                         | A                     |
| Vistamatic, LLC                                     | Coral Springs, FL               | 6535          | COMPOSITE       |               | 285 U                         | A                     |
| Vitra Vidrios Transformados SA de CV                | Cortes, Honduras                | 5037          | COMPOSITE       |               | 285 U                         | A                     |
| Vitro Architectural Glass                           | Barrie, ON                      | 5204          | COMP+CAN        |               | 800 U                         | A                     |
| Vitro Flat Glass, LLC                               | Wichita Falls, TX               | 1111          | COMPOSITE       |               | 175 U                         | A                     |
| Vitro Flat Glass, LLC                               | Carlisle, PA                    | 675           | COMP+CAN        |               | 400 U                         | A                     |
| Vitrum Industries Ltd.                              | Langley, BC                     | 7118          | COMP+CAN        |               | 950 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA                    | 6085          | COMP+CAN        |               | 250 U                         | A                     |
| WGM Fabricators, LLC                                | Whitinsville, MA                | 6365          | COMP+CAN        |               | 100 U                         | A                     |
| White Aluminum Enterprises LLC                      | Abu Dhabi, United Arab Emirates | 7085          | COMPOSITE       |               | 150 U                         | A                     |
| Wolverine Glass Products, Inc.                      | Grand Rapids, MI                | 5426          | COMP+CAN        |               | 200 U                         | A                     |
| Wujiang CSG Huadong Architectural Glass Co., LTD    | Wujiang, Jiangsu, China         | 6783          | COMPOSITE       |               | 250 U                         | A                     |
| Yao Xiang Glass Product Co. Ltd.                    | Foshan, Guangdong, China        | 3736          | COMP+CAN        |               | 285 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.            | Foshan, Guangdong, China        | 6877          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.        | Zhangjiagang, Jiangsu, China    | 5738          | COMP+CAN        |               | 250 U                         | A                     |
| <i>3/16 Inch Tempered Transparent Glass</i>         |                                 |               |                 |               |                               |                       |
| 24 Hour Thermal Glass Insulated Ltd.                | Concord, ON                     | 6919          | COMPOSITE       |               | 450 U                         | A                     |
| Advantec Global Innovations                         | Langley, BC Canada              | 4500          | COMPOSITE       |               | 750 U                         | A                     |
| AGC Flat Glass North America                        | Spring Hill, KS                 | 1704          | COMP+CAN        |               | 500 U                         | A                     |
| AGC Flat Glass North America                        | Greenland, TN                   | 220           | COMP+CAN        |               | 285 U                         | A                     |
| AGC, Poma Glass Co. N.A.                            | Boardman, OH                    | 5473          | COMP+CAN        |               | 800 U                         | A                     |
| AGC-Poma Glass Co. N.A.                             | Quakertown, PA                  | 2509          | COMPOSITE       |               | 800 U                         | A                     |
| Al Abbar Architectural Glass                        | Dubai, United Arab Emirates     | 4846          | COMPOSITE       |               | 100 U                         | A                     |
| Aldora Aluminum and Glass Products Inc.             | Charleston, SC                  | 4330          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.            | Orlando, FL                     | 5575          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.            | Miramar, FL                     | 4716          | COMPOSITE       |               | 285 U                         | A                     |
| All Counties Glass                                  | Stockton, CA                    | 6411          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                       | Woodbridge, ON Canada           | 1755          | COMPOSITE       |               | 450 U                         | A                     |
| All Weather Architectural Aluminum                  | Vacaville, CA                   | 6397          | COMP+CAN        |               | 125 U                         | A                     |
| All Weather Tempering of Arizona, LLC.              | Phoenix, AZ                     | 6379          | COMPOSITE       |               | 125 U                         | A                     |
| Allglass Tempering Inc.                             | Schiller Park, IL               | 5836          | COMPOSITE       |               | 600 U                         | A                     |
| American Insulated Glass Inc.                       | Conley, GA                      | 5284          | COMPOSITE       |               | 165 U                         | A                     |
| Amsco Windows                                       | Salt Lake City, UT              | 2580          | COMPOSITE       |               | 750 U                         | A                     |
| Anthony International                               | Madison, GA                     | 2352          | COMPOSITE       |               | 165 U                         | A                     |

***Certified Products-By Product Type***

|                                             |                                    | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|---------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Transparent Glass</i> |                                    |               |                 |               |                               |                       |
| Anthony International                       | San Fernando, CA                   | 999           | COMPOSITE       | 250 U         | A                             |                       |
| Architectural Glass Products, LLC.          | St. Louis, MO                      | 4572          | COMPOSITE       | 100 U         | A                             |                       |
| Arlene Stained Glass & Door                 | Houston, TX                        | 3583          | COMPOSITE       | 175 U         | A                             |                       |
| Ascent Glass Products (Zhong Shan) Limited  | Zhongshan City, Guangdong Province | 5866          | COMPOSITE       | 285 U         | A                             |                       |
| ATI Windows                                 | Riverside, CA                      | 5637          | COMPOSITE       | 250 U         | A                             |                       |
| ATN Holding Inc.                            | Mira Loma, CA                      | 5888          | COMPOSITE       | 250 U         | A                             |                       |
| Basco Engineered Products                   | Hamilton, OH                       | 4724          | COMPOSITE       | 200 U         | A                             |                       |
| Bazhou hua Biao Furniture Co., Ltd.         | Bazhou, Hebei                      | 7193          | COMP+CAN        | 150 U         | A                             |                       |
| Beijing Wuhua Tianbao Glass Co.             | Beijing, China                     | 6904          | COMPOSITE       | 125 U         | A                             |                       |
| Bel Pre Glassworks Inc.                     | Rockville, MD                      | 6321          | COMPOSITE       | 800 U         | A                             |                       |
| Bel Shower Door Corporation                 | Englewood, CO                      | 6470          | COMP+CAN        | 250 U         | A                             |                       |
| Blue Star Glass Inc.                        | North Brunswick, NJ                | 4518          | COMPOSITE       | 100 U         | A                             |                       |
| Bronco Industries, Inc.                     | Delta, BC                          | 6974          | COMP+CAN        | 195 U         | A                             |                       |
| BVGLAZING SYSTEMS                           | Concord, ON                        | 6135          | COMP+CAN        | 450 U         | A                             |                       |
| C&C Custom Glass & Tempering, LLC           | Tulsa, OK                          | 6855          | COMPOSITE       | 175 U         | A                             |                       |
| Cameron Glass, Inc.                         | Broken Arrow, OK                   | 2501          | COMP+CAN        | 500 U         | A                             |                       |
| Cardinal CG                                 | Spring Green, WI                   | 2069          | COMP+CAN        | 600 U         | A                             |                       |
| Cardinal CG                                 | Waxahachie, TX                     | 2701          | COMP+CAN        | 175 U         | A                             |                       |
| Cardinal CG                                 | Loveland, CO                       | 3581          | COMPOSITE       | 500 U         | A                             |                       |
| Cardinal CG                                 | Buford, GA                         | 1923          | COMP+CAN        | 165 U         | A                             |                       |
| Cardinal CG                                 | Galt, CA                           | 2359          | COMPOSITE       | 125 U         | A                             |                       |
| Cardinal CG                                 | Northfield, MN                     | 1987          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal CG                                 | Mazomanie, WI                      | 5306          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal CG                                 | Moreno Valley, CA                  | 2295          | COMP+CAN        | 250 U         | A                             |                       |
| Cardinal CG                                 | Tumwater, WA                       | 2009          | COMP+CAN        | 195 U         | A                             |                       |
| Cardinal CG                                 | Casa Grande, AZ                    | 2880          | COMP+CAN        | 250 U         | A                             |                       |
| Cardinal CT                                 | Easton, PA                         | 4758          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal CT                                 | Utica, OH                          | 4622          | COMP+CAN        | 200 U         | A                             |                       |
| Cardinal CT                                 | Adel, GA                           | 5097          | COMP+CAN        | 165 U         | A                             |                       |
| Cardinal CT                                 | Fort Worth, TX                     | 7319          | COMPOSITE       | 175 U         | A                             |                       |
| Cardinal CT                                 | Mount Airy, NC                     | 4580          | COMP+CAN        | 165 U         | A                             |                       |
| Cardinal CT                                 | Los Angeles, CA                    | 5087          | COMP+CAN        | 250 U         | A                             |                       |
| Cardinal CT - S                             | Irving TX                          | 5103          | COMPOSITE       | 175 U         | A                             |                       |
| Cardinal CT - W                             | Irving TX                          | 5247          | COMPOSITE       | 175 U         | A                             |                       |
| Cardinal FG                                 | Durant, OK                         | 2911          | COMP+CAN        | 175 U         | A                             |                       |
| Cardinal IG                                 | Hood River, OR                     | 2833          | COMP+CAN        | 195 U         | A                             |                       |
| Cardinal IG                                 | Spring Green, WI                   | 5911          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                 | Fremont, IN                        | 2178          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                 | Ocala, FL                          | 3507          | COMPOSITE       | 850 U         | A                             |                       |
| Cardinal IG                                 | Tomah, WI                          | 2319          | COMP+CAN        | 600 U         | A                             |                       |
| Cardinal IG                                 | Mountain Top, PA                   | 3070          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal IG                                 | Vinton, VA                         | 2921          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal IG                                 | Buckeye, AZ                        | 6523          | COMP+CAN        | 125 U         | A                             |                       |
| Cardinal IG                                 | Greenfield, IA                     | 1829          | COMP+CAN        | 500 U         | A                             |                       |
| Cardinal IG                                 | Waxahachie, TX                     | 2330          | COMP+CAN        | 175 U         | A                             |                       |
| Cardinal IG                                 | Fargo, ND                          | 2233          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal LG                                 | Amery, WI                          | 5193          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal Tempering                          | Louisville, KY                     | 3872          | COMPOSITE       | 175 U         | A                             |                       |
| Cardinal TG                                 | Chehalis, WA                       | 3458          | COMP+CAN        | 195 U         | A                             |                       |
| Cardinal TG                                 | Tomah, WI                          | 1806          | COMP+CAN        | 600 U         | A                             |                       |
| ChangShu MayBo Glass Co., Ltd               | Changshu, Jiangsu, China           | 7116          | COMPOSITE       | 285 U         | A                             |                       |

***Certified Products-By Product Type***

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|---------------------------------------------------|-----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Transparent Glass</i>       |                             |               |                 |               |                               |                       |
| Changshu Weier Glass Products Co. Ltd.            | Changshu, Jiangsu, China    | 5353          | COMPOSITE       | 195 U         | A                             |                       |
| Changshu ZhongXin Building Materials Co., Ltd.    | Changshu, Jiangsu, China    | 6475          | COMP+CAN        | 750 U         | A                             |                       |
| Chicago Tempered Glass, Inc.                      | Chicago, IL                 | 3087          | COMPOSITE       | 200 U         | A                             |                       |
| Commercial Insulating Glass Co.                   | Sarasota, FL                | 1890          | COMPOSITE       | 285 30x76     | A                             |                       |
| Commercial Insulating Glass Co.                   | Cumberland City, TN         | 3807          | COMPOSITE       | 165 U         | A                             |                       |
| Consolidated Glass Corp.                          | New Castle, PA              | 2005          | COMP+CAN        | 285 U         | A                             |                       |
| Contour Industries, Inc.                          | Surgoinsville, TN           | 1678          | COMP+CAN        | 285 U         | A                             |                       |
| Contract Glass                                    | Billerica, MA               | 4972          | COMPOSITE       | 100 U         | A                             |                       |
| Contractors Wardrobe                              | Valencia, CA                | 3466          | COMP+CAN        | 250 U         | A                             |                       |
| Coral Industries Glass Division                   | Tuscaloosa, AL              | 1910          | COMPOSITE       | 165 U         | A                             |                       |
| Crystal Tempering, Inc.                           | Debary, FL                  | 6209          | COMPOSITE       | 850 U         | A                             |                       |
| CS ECO Glass                                      | Negeri Sembilan, Malaysia   | 6867          | COMPOSITE       | 195 U         | A                             |                       |
| Custom Glass Solutions Millbury Corp.             | Millbury, OH                | 1576          | COMPOSITE       | 200 U         | A                             |                       |
| Dalian Dongsong Tempered Glass Products Co., Ltd. | Dalian, Liaoning, China     | 6459          | COMPOSITE       | 125 U         | A                             |                       |
| Dalian Huaying Glass Limited Liability Co.        | Liaoning, China             | 5261          | COMP+CAN        | 285 U         | A                             |                       |
| Dallas Flat Glass                                 | Carrollton, TX              | 4763          | COMPOSITE       | 175 U         | A                             |                       |
| DDG Glass Manufacturing SDN BHD                   | Johor, Malaysia             | 5622          | COMP+CAN        | 125 U         | A                             |                       |
| Denver Glass Interiors, Inc.                      | Englewood, CO               | 3865          | COMPOSITE       | 175 U         | A                             |                       |
| Deqing Sanxing Plastic Chemical Co. Ltd.          | Huzhou, Zhejiang, China     | 4057          | COMPOSITE       | 750 U         | A                             |                       |
| Dillmeier Enterprise, Inc.                        | Van Buren, AR               | 3912          | COMPOSITE       | 175 U         | A                             |                       |
| Dongguan CSG Architectural Glass Co., Ltd.        | Dongguan, Guangdong, China  | 3933          | COMP+CAN        | 125 U         | A                             |                       |
| Downey Glass Industries, LLC                      | Pompano Beach, FL           | 2661          | COMPOSITE       | 285 U         | A                             |                       |
| Eagle Valley Glass                                | Gypsum, CO                  | 6672          | COMPOSITE       | 175 U         | A                             |                       |
| Echols Glass and Mirror, Inc.                     | Buford, GA                  | 6314          | COMPOSITE       | 165 U         | A                             |                       |
| Edge Tempering                                    | Hialeah, FL                 | 7280          | COMPOSITE       | 285 U         | A                             |                       |
| EFCO Corporation                                  | Monett, MO                  | 1901          | COMPOSITE       | 175 U         | A                             |                       |
| EFI                                               | Kernersville, NC            | 5208          | COMP+CAN        | 165 U         | A                             |                       |
| Fairis C.A.                                       | Ambato, Tungurahua, Ecuador | 4426          | COMPOSITE       | 285 U         | A                             |                       |
| Flat Glass Distributors                           | Jacksonville, FL            | 3823          | COMPOSITE       | 285 U         | A                             |                       |
| Flat Glass Group Co., Ltd.                        | Jiaxing, Zhejiang, China    | 5521          | COMP+CAN        | 125 U         | A                             |                       |
| Foshan YC Glass Co., Ltd.                         | Guangdong, China            | 6818          | COMPOSITE       | 125 U         | A                             |                       |
| Fountain Glass Inc.                               | Lenexa, KS                  | 7105          | COMPOSITE       | 150 U         | A                             |                       |
| Fujian Chengda Glass Co., Ltd                     | Longhai, Zhangzhou          | 7184          | COMPOSITE       | 125 U         | A                             |                       |
| Fujian Xihe Sanitary Ware Technology Co., Ltd     | Nan an Fujian China         | 5090          | COMPOSITE       | 285 U         | A                             |                       |
| Garibaldi Glass Ind. Inc.                         | Burnaby, BC                 | 5124          | COMP+CAN        | 750 U         | A                             |                       |
| General Glass                                     | Vancouver, WA               | 4033          | COMPOSITE       | 195 U         | A                             |                       |
| GGI Glass Distributors Corp.                      | Secaucus, NJ                | 2226          | COMPOSITE       | 100 U         | A                             |                       |
| Glass and Mirror Craft                            | Wixom, MI                   | 4199          | COMP+CAN        | 150 U         | A                             |                       |
| Glass Depot Inc.                                  | Opa Locka, FL               | 7180          | COMPOSITE       | 285 U         | A                             |                       |
| Glass Enterprises, Inc.                           | Bensalem, PA                | 4628          | COMPOSITE       | 800 U         | A                             |                       |
| Glass Global Distributors LLC                     | North Miami, FL             | 6796          | COMPOSITE       | 285 U         | A                             |                       |
| Glassbel Baltic                                   | Klaipeda, Lithuania         | 6705          | COMPOSITE       | 800 U         | A                             |                       |
| GlasseCviracon                                    | Nazaré Paulista, São Paulo  | 6992          | COMP+CAN        | 150 U         | A                             |                       |
| GlassFab Tempering Services Inc. Holly Drive      | Tracy, CA                   | 5986          | COMPOSITE       | 125 U         | A                             |                       |
| GlassFab Tempering Services, Inc. Mariani Ct.     | Tracy, CA                   | 4889          | COMPOSITE       | 125 U         | A                             |                       |
| Glasswerks GWA- West                              | South Gate CA               | 5481          | COMPOSITE       | 250 U         | A                             |                       |

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|---------------------------------------------|--------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Transparent Glass</i> |                          |               |                 |               |                               |                       |
| Glasswerks GWLA- East                       | South Gate, CA           | 4805          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWT                              | Temecula, CA             | 6095          | COMP+CAN        |               | 250 U                         | A                     |
| Glaz-Tech Industries, Inc.                  | Tucson, AZ               | 6575          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                  | Phoenix, AZ              | 6583          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                  | Englewood, CO            | 2186          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                  | Santa Teresa, NM         | 6600          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                  | Boise, ID                | 6608          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                  | Albuquerque, NM          | 6590          | COMPOSITE       |               | 175 U                         | A                     |
| Glenney Glass Co.                           | Milford, OH              | 3843          | COMPOSITE       |               | 200 U                         | A                     |
| Global Security Glazing                     | Selma, AL                | 4765          | COMP+CAN        |               | 285 U                         | A                     |
| Global Tempering, LLC                       | Hialeah, FL              | 7329          | COMP+CAN        |               | 285 U                         | A                     |
| Goldray Industries Ltd.                     | Calgary, AB Canada       | 2446          | COMP+CAN        |               | 195 U                         | A                     |
| Griffin Glass & Metal Werks, Inc.           | Elmhurst, IL             | 7146          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Glass, LLC                         | Richburg, SC             | 1632          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                         | Geneva, NY               | 2261          | COMP+CAN        |               | 400 U                         | A                     |
| Guardian Glass, LLC                         | DeWitt, IA               | 2022          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Glass, LLC                         | Kingsburg, CA            | 970           | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                         | Corsicana, TX            | 1250          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                         | Carleton, MI             | 631           | COMP+CAN        |               | 200 U                         | A                     |
| Guardian IG LLC                             | Sun Prairie, WI          | 5642          | COMP+CAN        |               | 150 U                         | A                     |
| Guardian Industries Corp.                   | Galax, VA                | 4606          | COMP+CAN        |               | 285 U                         | A                     |
| Guardian VIG, LLC                           | Millbury, OH             | 7092          | COMP+CAN        |               | 100 U                         | A                     |
| Industrial Tempering Glass                  | Brooklyn, NY             | 6984          | COMPOSITE       |               | 100 U                         | A                     |
| Industries Vanier Inc.                      | Anjou, QC                | 6954          | COMP+CAN        |               | 450 U                         | A                     |
| Innovative Glass of America, Inc.           | Dallas, NC               | 3861          | COMPOSITE       |               | 165 U                         | A                     |
| Innovative Glass Products LLC               | Carrollton, TX           | 7064          | COMPOSITE       |               | 175 U                         | A                     |
| Insulite Glass Co., Inc.                    | Olathe, KS               | 3714          | COMPOSITE       |               | 150 U                         | A                     |
| Integral Seal Mfg. Inc.                     | Concord, ON Canada       | 4683          | COMP+CAN        |               | 100 U                         | A                     |
| Integrity Glass Tempering, LLC.             | Venice , FL              | 6666          | COMPOSITE       |               | 285 U                         | A                     |
| Interglass Corp                             | Miami, FL                | 5032          | COMPOSITE       |               | 285 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.              | Xiamen, Fujian, China    | 2574          | COMP+CAN        |               | 200 U                         | A                     |
| Intigral                                    | Walton Hills, OH         | 2052          | COMP+CAN        |               | 103 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.     | Guangdong, China         | 4304          | COMP+CAN        |               | 125 U                         | A                     |
| JM Glass                                    | Hayward, CA              | 4928          | COMPOSITE       |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                          | Foshan, Guangdong, China | 3959          | COMP+CAN        |               | 125 U                         | A                     |
| Kawneer - (Cranberry) an Arconic Company    | Cranberry Township, PA   | 2489          | COMPOSITE       |               | 100 U                         | A                     |
| Kohler Company                              | Union City, TN           | 1981          | COMPOSITE       |               | 165 U                         | A                     |
| La Tecnica Nel Vetro SpA                    | Scafati, Salerno, Italy  | 7174          | COMP+CAN        |               | 125 U                         | A                     |
| Les Verres VMIK Inc.                        | Gatineau, QC             | 6894          | COMP+CAN        |               | 450 U                         | A                     |
| Louisville Plate Glass                      | Louisville, KY           | 6072          | COMPOSITE       |               | 200 U                         | A                     |
| LTI Smart Glass, Inc.                       | Pittsfield, MA           | 6922          | COMPOSITE       |               | 400 U                         | A                     |
| M Industria S.A. DE C.V.                    | Merida, Yucatan Mexico   | 6146          | COMP+CAN        |               | 285 U                         | A                     |
| Manko Window Systems                        | Aurora, CO               | 6277          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Window Systems- KS                    | Manhattan, KS            | 6827          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                               | Des Moines, IA           | 6288          | COMPOSITE       |               | 500 U                         | A                     |
| Maryland Glass & Mirror                     | Baltimore, MD            | 4319          | COMPOSITE       |               | 100 U                         | A                     |
| McGrory Glass                               | Paulsboro, NJ            | 4925          | COMPOSITE       |               | 100 U                         | A                     |
| Mid-American Glass                          | Davenport, IA            | 7229          | COMPOSITE       |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.              | Highland, MI             | 6029          | COMP+CAN        |               | 200 U                         | A                     |
| Mr. Glass Tempering, LLC                    | Brooklyn, NY             | 7170          | COMP+CAN        |               | 100 U                         | A                     |
| Multiver                                    | Vanier, QC               | 6890          | COMPOSITE       |               | 400 U                         | A                     |

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|-----------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 3/16 Inch Tempered Transparent Glass                |                                           |               |                 |               |                               |                       |
| Nashville Tempered Glass Corp.                      | Nashville, TN                             | 1467          | COMP+CAN        |               | 285 U                         | A                     |
| Nashville Tempered Glass LLC                        | Hendersonville, TN                        | 2692          | COMP+CAN        |               | 285 U                         | A                     |
| New Angle Beveling                                  | Clearfield, PA                            | 5774          | COMPOSITE       |               | 103 U                         | A                     |
| New Angle Beveling                                  | Hyde, PA                                  | 4594          | COMPOSITE       |               | 103 U                         | A                     |
| New Century Glass & Aluminum LLC                    | Woodside, NY                              | 5455          | COMPOSITE       |               | 400 U                         | A                     |
| Northeast Building Products                         | Philadelphia, PA                          | 7283          | COMPOSITE       |               | 100 U                         | A                     |
| Northwestern Glass Fab                              | Fridley, MN                               | 6734          | COMPOSITE       |               | 150 U                         | A                     |
| Northwestern Industries, Inc.                       | Yuma, AZ                                  | 6566          | COMPOSITE       |               | 250 U                         | A                     |
| Novatech Canada Inc.                                | Montreal, Quebec, Canada                  | 6219          | COMP+CAN        |               | 450 U                         | A                     |
| Novatech Canada Inc.                                | St-Agapit, Quebec, Canada                 | 7008          | COMP+CAN        |               | 450 U                         | A                     |
| NY Tempering LLC                                    | Maspeth, NY                               | 4900          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Miami, FL                                 | 3497          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Covington, GA                             | 3331          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Vancouver, WA                             | 3221          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Concord, ON                               | 3441          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Hauppauge, NY                             | 1547          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Langley, BC                               | 3288          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Shawnee, OK                               | 3097          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Houston, TX                               | 3158          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Schofield, WI                             | 3169          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Moorestown, NJ                            | 3182          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Tampa, FL                                 | 3118          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Denver, CO                                | 3312          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Indianapolis, IN                          | 2211          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Rock Hill, SC                             | 3277          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Los Angeles, CA                           | 630           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Perrysburg, OH                            | 3235          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Calgary, AB                               | 3265          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Albertville, MN                           | 3106          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Phoenix, AZ                               | 3130          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Grand Prairie, TX                         | 3252          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Fremont, CA                               | 3193          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Warrenton, MO                             | 3146          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Wright City, MO                           | 3139          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.             | Pointe-aux-Trembles, QC                   | 1997          | COMP+CAN        |               | 450 U                         | A                     |
| Paragon Tempered Glass                              | Antwerp, OH                               | 2686          | COMPOSITE       |               | 500 U                         | A                     |
| Patriot Armored Systems, LLC                        | Lee, MA                                   | 6689          | COMPOSITE       |               | 100 U                         | A                     |
| PFG Glass                                           | Langley, BC                               | 3540          | COMP+CAN        |               | 750 U                         | A                     |
| PGT Industries                                      | North Venice, FL                          | 2390          | COMPOSITE       |               | 850 U                         | A                     |
| Pietta Glass Working Srl                            | Valenii De Munte, Romania                 | 7191          | COMP+CAN        |               | 100 U                         | A                     |
| Precision Glass Industries                          | Houston, TX                               | 6886          | COMPOSITE       |               | 175 U                         | A                     |
| Prelco Inc.                                         | Saint-Jacques, NB                         | 4913          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                         | Riviere-du-loup, QC                       | 2713          | COMP+CAN        |               | 450 U                         | A                     |
| PRESS GLASS SA                                      | Tychy, Poland                             | 6404          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Radomsko, Poland                          | 6963          | COMP+CAN        |               | 800 U                         | A                     |
| Press Glass, Inc.                                   | Stoneville, NC                            | 2730          | COMPOSITE       |               | 285 U                         | A                     |
| Productos De Valor Agregado en Cristal S.A. de C.V. | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4639          | COMPOSITE       |               | 175 U                         | A                     |
| Produits Verrier International Inc.                 | Montreal, Quebec                          | 5500          | COMP+CAN        |               | 450 U                         | A                     |
| PT Abebersa Pratama                                 | Bekasi, Indonesia                         | 3906          | COMPOSITE       |               | 125 U                         | A                     |
| Qingdao Laurel Glass Technology Co., Ltd            | Qingdao City, China                       | 7127          | COMPOSITE       |               | 125 U                         | A                     |

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|----------------------------------------------------------------|--------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Transparent Glass</i>                    |                                |               |                 |               |                               |                       |
| Qinhuangdao Ampac Building Products Co., Ltd.                  | Qinhuangdao Hebei, China       | 5901          | COMPOSITE       |               | 100 U                         | A                     |
| Quaker Window Products, Inc.                                   | Freeburg, MO                   | 2986          | COMP+CAN        |               | 150 U                         | A                     |
| Quality Enclosures                                             | Central Islip, NY              | 6440          | COMP+CAN        |               | 100 U                         | A                     |
| Quality Enclosures Tempering, Inc.                             | Port Orange, FL                | 6243          | COMPOSITE       |               | 165 U                         | A                     |
| Quality Glass & Mirror, Inc.                                   | Mount Prospect, IL             | 2981          | COMPOSITE       |               | 500 U                         | A                     |
| Ready Glass & Mirror, Inc.                                     | Hialeah, FL                    | 3745          | COMPOSITE       |               | 285 U                         | A                     |
| Rizhao Huaye Glass Co., Ltd.                                   | Rizhao, Shandong               | 5567          | COMP+CAN        |               | 285 U                         | A                     |
| Robover Inc.                                                   | Quebec City, QC                | 5201          | COMP+CAN        |               | 450 U                         | A                     |
| S.F. Tempering                                                 | Dania Beach, FL                | 5452          | COMPOSITE       |               | 285 U                         | A                     |
| SAAND London                                                   | London, ON                     | 3979          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Ottawa                                                   | Stittsville, ON                | 4951          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Rexdale                                                  | Rexdale, ON                    | 4997          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto Inc.                                             | Toronto, ON                    | 3023          | COMP+CAN        |               | 450 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                                    | Sweetwater, TN                 | 1201          | COMP+CAN        |               | 285 U                         | A                     |
| SCHOTT Gemtron (Canada) Corporation                            | Midland, ON Canada             | 3636          | COMP+CAN        |               | 100 U                         | A                     |
| SG Glass Industries L.L.C.                                     | Miami Gardens, FL              | 6359          | COMP+CAN        |               | 285 U                         | A                     |
| Shandong Kingtom Glass Co., Ltd.                               | Qingdao, Shandong China        | 6460          | COMP+CAN        |               | 125 U                         | A                     |
| Shanghai SYP Engineering Glass                                 | Shanghai, China                | 4068          | COMP+CAN        |               | 125 U                         | A                     |
| Shape Products LLC.                                            | Sarasota, FL                   | 6503          | COMPOSITE       |               | 285 U                         | A                     |
| Shower Doors & More Inc.                                       | Fort Lauderdale, FL            | 5756          | COMPOSITE       |               | 285 U                         | A                     |
| Sichuan CSG Energy Conservation Glass Co., Ltd.                | Chengdu, Sichuan               | 7050          | COMPOSITE       |               | 125 U                         | A                     |
| Sierra Glass Distributors                                      | Sparks, NV                     | 6186          | COMPOSITE       |               | 125 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME                  | 2963          | COMPOSITE       |               | 100 U                         | A                     |
| Simonton Windows                                               | Paris, IL                      | 4978          | COMPOSITE       |               | 150 U                         | A                     |
| Simonton Windows                                               | Ellenboro, WV                  | 2888          | COMPOSITE       |               | 850 U                         | A                     |
| Sky Land Tempering Glass Corp                                  | Long Island City, NY           | 5467          | COMPOSITE       |               | 100 U                         | A                     |
| Solar Seal Massachusetts                                       | South Easton, MA               | 1871          | COMPOSITE       |               | 800 U                         | A                     |
| Solar Seal Virginia                                            | Stafford, VA                   | 5723          | COMPOSITE       |               | 100 U                         | A                     |
| Standard Bent Glass                                            | East Butler, PA                | 6300          | COMP+CAN        |               | 103 U                         | A                     |
| Strong Tempering Glass Industry LLC                            | Brooklyn, NY                   | 5939          | COMPOSITE       |               | 100 U                         | A                     |
| Sunfire Glass, Inc.                                            | Medley, FL                     | 7036          | COMPOSITE       |               | 285 U                         | A                     |
| Swift Glass Co., Inc.                                          | Elmira Heights, NY             | 1556          | COMPOSITE       |               | 400 U                         | A                     |
| Syracuse Glass Co., Inc.                                       | Syracuse, NY                   | 2957          | COMP+CAN        |               | 400 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China     | 5487          | COMP+CAN        |               | 285 U                         | A                     |
| Taiwan Glass Industry Corp.                                    | Taipei, Taiwan, China          | 3887          | COMP+CAN        |               | 750 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN              | 2549          | COMP+CAN        |               | 285 U                         | A                     |
| Tecnoglass S.A.                                                | Barranquilla, Colombia         | 1993          | COMP+CAN        |               | 285 U                         | A                     |
| Temp Glass Inc.                                                | El Paso, TX                    | 6698          | COMPOSITE       |               | 175 U                         | A                     |
| Tempco Glass                                                   | Flushing, NY                   | 5010          | COMPOSITE       |               | 400 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China                | 6418          | COMP+CAN        |               | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                    | 4848          | COMPOSITE       |               | 175 U                         | A                     |
| Thermal Seal Insulating Glass                                  | Uxbridge, MA                   | 5733          | COMPOSITE       |               | 285 U                         | A                     |
| Thermalsun Glass Products                                      | Santa Rosa, CA                 | 6267          | COMPOSITE       |               | 125 U                         | A                     |
| Thermo BSL                                                     | Riviere-du-loup, QC            | 4292          | COMP+CAN        |               | 800 U                         | A                     |
| Thermoseal Industries, a Senneca Company                       | Gloucester City, NJ            | 4470          | COMPOSITE       |               | 100 U                         | A                     |
| Thermover 2017                                                 | Saint-Leonard (Quebec), Canada | 6978          | COMP+CAN        |               | 400 U                         | A                     |
| Thompson I.G. LLC.                                             | Fenton, MI                     | 5304          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd                 | Tianjin, China                 | 4022          | COMP+CAN        |               | 100 U                         | A                     |

**Certified Products-By Product Type**

|                                                     |                        | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------|------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Transparent Glass</i>         |                        |               |                 |               |                               |                       |
| Tianjin SYP Engineering Glass Co., Ltd.             | Tianjin, China         | 4075          | COMP+CAN        |               | 125 U                         | A                     |
| Tristar Glass, Inc.                                 | Catoosa, OK            | 4006          | COMPOSITE       |               | 175 U                         | A                     |
| Triton Glass LLC                                    | Albemarle, NC          | 5691          | COMPOSITE       |               | 165 U                         | A                     |
| Triview Glass Industries                            | City of Industry, CA   | 5040          | COMP+CAN        |               | 250 U                         | A                     |
| Troy Systems LLC                                    | Manassas, VA           | 4918          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass & Aluminum Solutions Canada, ULC      | Bois-des-Filion, QC    | 6061          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Grenada, MS            | 2788          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Phoenix, AZ            | 5702          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Cheswick, PA           | 1785          | COMPOSITE       |               | 103 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fremont, CA            | 5794          | COMPOSITE       |               | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Lithia Springs, GA     | 6102          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Orlando, FL            | 5185          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Aurora, CO             | 6613          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Knoxville, TN          | 4152          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Las Vegas, NV          | 4212          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Vaughan, ON            | 5508          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fort Worth, TX         | 5398          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | San Antonio, TX        | 3839          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Indianapolis, IN       | 4922          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Houston, TX            | 3925          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | New Berlin, WI         | 5318          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Columbus, OH           | 4746          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Salt Lake City, UT     | 5337          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Bradenton, FL          | 5860          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Youngsville, NC        | 5273          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Tulsa, OK              | 5444          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | City of Industry, CA   | 4184          | COMPOSITE       |               | 250 U                         | A                     |
| Tweddells Inc.                                      | Santa Ana, CA          | 4993          | COMP+CAN        |               | 250 U                         | A                     |
| U.S. Glass Distributors Inc.                        | Enfield, CT            | 5922          | COMP+CAN        |               | 400 U                         | A                     |
| United Plate Glass Co., Inc.                        | Butler, PA             | 2468          | COMP+CAN        |               | 800 U                         | A                     |
| United Plate Glass Company of Charlotte             | Lincolnton, NC         | 3949          | COMP+CAN        |               | 165 U                         | A                     |
| Unitex Glass Chengdu Co., Ltd                       | Chendu, Sichuan, China | 5407          | COMPOSITE       |               | 200 U                         | A                     |
| Upstate Glass Tempering Inc.                        | Middletown, NY         | 6068          | COMPOSITE       |               | 400 U                         | A                     |
| US Glass Tempering Inc.                             | San Leandro, CA        | 7159          | COMPOSITE       |               | 125 U                         | A                     |
| View Inc.                                           | Olive Branch, MS       | 4727          | COMPOSITE       |               | 175 U                         | A                     |
| Viracon Inc.                                        | Statesboro, GA         | 2314          | COMP+CAN        |               | 165 U                         | A                     |
| Viracon Inc.                                        | Owatonna, MN           | 1403          | COMP+CAN        |               | 150 U                         | A                     |
| Virginia Glass Products Corp.                       | Martinsville, VA       | 12            | COMPOSITE (IN)  |               | 100 U                         | A                     |
| Vistamatic, LLC                                     | Coral Springs, FL      | 6536          | COMPOSITE       |               | 285 U                         | A                     |
| Vitra Vidrios Transformados SA de CV                | Cortes, Honduras       | 4651          | COMPOSITE       |               | 285 U                         | A                     |
| Vitro Architectural Glass                           | Barrie, ON             | 5205          | COMP+CAN        |               | 800 U                         | A                     |
| Vitro Flat Glass, LLC                               | Wichita Falls, TX      | 1112          | COMPOSITE       |               | 175 U                         | A                     |
| Vitro Flat Glass, LLC                               | Carlisle, PA           | 249           | COMP+CAN        |               | 400 U                         | A                     |
| Vitrum Industries Ltd.                              | Langley, BC            | 7119          | COMP+CAN        |               | 950 U                         | A                     |
| Viwinco, Inc.                                       | Morgantown, PA         | 3405          | COMPOSITE       |               | 800 U                         | A                     |
| W. A. Wilson Inc.                                   | Wheeling, WV           | 4170          | COMPOSITE       |               | 200 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA           | 6086          | COMP+CAN        |               | 250 U                         | A                     |
| WGM Fabricators, LLC                                | Whitinsville, MA       | 6366          | COMP+CAN        |               | 100 U                         | A                     |
| Whalley Glass Co                                    | Derby, CT              | 6227          | COMPOSITE       |               | 100 U                         | A                     |



***Certified Products-By Product Type***

|                                                       |                              | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-------------------------------------------------------|------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Transparent Glass</i>           |                              |               |                 |               |                               |                       |
| Wholesale Glass Dist.                                 | Memphis, TN                  | 4379          | COMPOSITE       |               | 150 U                         | A                     |
| Wisconsin Shower Door & Supply                        | Menomonee Falls, WI          | 5587          | COMPOSITE       |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.                        | Grand Rapids, MI             | 5427          | COMP+CAN        |               | 200 U                         | A                     |
| WSD Glass, Inc.                                       | Winston-Salem, NC            | 4048          | COMPOSITE       |               | 165 U                         | A                     |
| Wujiang CSG Huadong Architectural Glass Co., LTD      | Wujiang, Jiangsu, China      | 6784          | COMPOSITE       |               | 250 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.      | Xianning, Hubei, China       | 5979          | COMP+CAN        |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                        | Tianjin, China               | 5532          | COMP+CAN        |               | 195 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                         | Dongguan, Guangdong, China   | 3085          | COMP+CAN        |               | 195 U                         | A                     |
| Yao Xiang Glass Product Co. Ltd.                      | Foshan, Guangdong, China     | 3737          | COMP+CAN        |               | 285 U                         | A                     |
| Yitian (Cattis) Glass Product Co., Ltd                | Foshan, Guangdong, China     | 6452          | COMP+CAN        |               | 125 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.              | Foshan, Guangdong, China     | 5890          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.          | Zhangjiagang, Jiangsu, China | 5739          | COMP+CAN        |               | 250 U                         | A                     |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Hangzhou, Zhejiang, China    | 5077          | COMP+CAN        |               | 125 U                         | A                     |
| <i>1/4 Inch Tempered Transparent Glass</i>            |                              |               |                 |               |                               |                       |
| 24 Hour Thermal Glass Insulated Ltd.                  | Concord, ON                  | 6920          | COMPOSITE       |               | 450 U                         | A                     |
| A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY      | Riyadh, Saudi Arabia         | 7269          | COMP+CAN        |               | 100 U                         | A                     |
| Advanced Design Manufacturing                         | Antioch, CA                  | 6685          | COMPOSITE       |               | 125 U                         | A                     |
| Advantec Global Innovations                           | Langley, BC Canada           | 4501          | COMPOSITE       |               | 750 U                         | A                     |
| AGC Flat Glass North America                          | Greenland, TN                | 89            | COMP+CAN        |               | 285 U                         | A                     |
| AGC Flat Glass North America                          | Spring Hill, KS              | 1705          | COMP+CAN        |               | 500 U                         | A                     |
| AGC, Poma Glass Co. N.A.                              | Boardman, OH                 | 5474          | COMP+CAN        |               | 800 U                         | A                     |
| AGC-Poma Glass Co. N.A.                               | Quakertown, PA               | 2666          | COMPOSITE       |               | 800 U                         | A                     |
| AGNORA LTD                                            | Collingwood, ON              | 4883          | COMP+CAN        |               | 450 U                         | A                     |
| Al Abbar Architectural Glass                          | Dubai, United Arab Emirates  | 3556          | COMPOSITE       |               | 100 U                         | A                     |
| Aldora Aluminum and Glass Products Inc.               | Charleston, SC               | 4331          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.              | Orlando, FL                  | 5576          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.              | Miramar, FL                  | 4717          | COMPOSITE       |               | 285 U                         | A                     |
| All Counties Glass                                    | Stockton, CA                 | 6412          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                         | Woodbridge, ON Canada        | 1756          | COMPOSITE       |               | 450 U                         | A                     |
| All Weather Architectural Aluminum                    | Vacaville, CA                | 6398          | COMP+CAN        |               | 125 U                         | A                     |
| All Weather Tempering of Arizona, LLC.                | Phoenix, AZ                  | 6380          | COMPOSITE       |               | 125 U                         | A                     |
| Allglass Tempering Inc.                               | Schiller Park, IL            | 5837          | COMPOSITE       |               | 600 U                         | A                     |
| Aluminum Manufacturers Co. Ltd - ALUMATEC             | Jeddah, Saudi Arabia         | 6151          | COMPOSITE       |               | 400 U                         | A                     |
| Aluminum Technology Auxiliary Industries              | Doha, Qatar                  | 7197          | COMPOSITE       |               | 125 U                         | A                     |
| American Insulated Glass Inc.                         | Conley, GA                   | 5285          | COMPOSITE       |               | 165 U                         | A                     |
| American Shower Door                                  | Los Angeles, CA              | 3039          | COMPOSITE       |               | 250 U                         | A                     |
| Amsco Windows                                         | Salt Lake City, UT           | 2581          | COMPOSITE       |               | 750 U                         | A                     |
| Anthony International                                 | Madison, GA                  | 2353          | COMPOSITE       |               | 165 U                         | A                     |
| Anthony International                                 | San Fernando, CA             | 1000          | COMPOSITE       |               | 250 U                         | A                     |
| Architectural Glass Products, LLC.                    | St. Louis, MO                | 4573          | COMPOSITE       |               | 100 U                         | A                     |
| Arlene Stained Glass & Door                           | Houston, TX                  | 3584          | COMPOSITE       |               | 175 U                         | A                     |
| Arrow Mirror & Glass, Inc.                            | Houston, TX                  | 6547          | COMPOSITE       |               | 175 U                         | A                     |

***Certified Products-By Product Type***

|                                            |                                    | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i> |                                    |               |                 |               |                               |                       |
| Ascent Glass Products (Zhong Shan) Limited | Zhongshan City, Guangdong Province | 5867          | COMPOSITE       | 285 U         |                               | A                     |
| ATI Windows                                | Riverside, CA                      | 5638          | COMPOSITE       | 250 U         |                               | A                     |
| ATN Holding Inc.                           | Mira Loma, CA                      | 6262          | COMPOSITE       | 250 U         |                               | A                     |
| Basco Engineered Products                  | Hamilton, OH                       | 3810          | COMPOSITE       | 200 U         |                               | A                     |
| Bazhou hua Biao Furniture Co., Ltd.        | Bazhou, Hebei                      | 7194          | COMP+CAN        | 150 U         |                               | A                     |
| Beijing Northglass Technologies Co. Ltd    | Beijing, China                     | 6668          | COMP+CAN        | 195 U         |                               | A                     |
| Beijing Wuhua Tianbao Glass Co.            | Beijing, China                     | 6905          | COMPOSITE       | 125 U         |                               | A                     |
| Bel Pre Glassworks Inc.                    | Rockville, MD                      | 6322          | COMPOSITE       | 800 U         |                               | A                     |
| Bel Shower Door Corporation                | Englewood, CO                      | 6471          | COMP+CAN        | 250 U         |                               | A                     |
| Berkowitz, J.E.                            | Pedricktown, NJ                    | 4837          | COMP+CAN        | 800 U         |                               | A                     |
| Blue Star Glass Inc.                       | North Brunswick, NJ                | 4519          | COMPOSITE       | 100 U         |                               | A                     |
| Bronco Industries, Inc.                    | Delta, BC                          | 5366          | COMP+CAN        | 195 U         |                               | A                     |
| BVGLAZING SYSTEMS                          | Concord, ON                        | 6136          | COMP+CAN        | 450 U         |                               | A                     |
| C&C Custom Glass & Tempering, LLC          | Tulsa, OK                          | 6856          | COMPOSITE       | 175 U         |                               | A                     |
| Cameron Glass, Inc.                        | Broken Arrow, OK                   | 2455          | COMP+CAN        | 500 U         |                               | A                     |
| Cardinal CG                                | Mazomanie, WI                      | 4783          | COMP+CAN        | 150 U         |                               | A                     |
| Cardinal CG                                | Galt, CA                           | 2360          | COMPOSITE       | 125 U         |                               | A                     |
| Cardinal CG                                | Waxahachie, TX                     | 2702          | COMP+CAN        | 175 U         |                               | A                     |
| Cardinal CG                                | Loveland, CO                       | 3555          | COMPOSITE       | 500 U         |                               | A                     |
| Cardinal CG                                | Moreno Valley, CA                  | 2296          | COMP+CAN        | 250 U         |                               | A                     |
| Cardinal CG                                | Buford, GA                         | 1924          | COMP+CAN        | 165 U         |                               | A                     |
| Cardinal CG                                | Tumwater, WA                       | 2010          | COMP+CAN        | 195 U         |                               | A                     |
| Cardinal CG                                | Northfield, MN                     | 1988          | COMP+CAN        | 150 U         |                               | A                     |
| Cardinal CG                                | Spring Green, WI                   | 2070          | COMP+CAN        | 600 U         |                               | A                     |
| Cardinal CG                                | Casa Grande, AZ                    | 2881          | COMP+CAN        | 250 U         |                               | A                     |
| Cardinal CT                                | Utica, OH                          | 5479          | COMP+CAN        | 200 U         |                               | A                     |
| Cardinal CT                                | Easton, PA                         | 5842          | COMP+CAN        | 100 U         |                               | A                     |
| Cardinal CT                                | Adel, GA                           | 5364          | COMP+CAN        | 165 U         |                               | A                     |
| Cardinal CT                                | Fort Worth, TX                     | 7320          | COMPOSITE       | 175 U         |                               | A                     |
| Cardinal CT                                | Los Angeles, CA                    | 5991          | COMP+CAN        | 250 U         |                               | A                     |
| Cardinal CT - S                            | Irving TX                          | 5104          | COMPOSITE       | 175 U         |                               | A                     |
| Cardinal CT - W                            | Irving TX                          | 5248          | COMPOSITE       | 175 U         |                               | A                     |
| Cardinal FG                                | Durant, OK                         | 2912          | COMP+CAN        | 175 U         |                               | A                     |
| Cardinal IG                                | Hood River, OR                     | 2834          | COMP+CAN        | 195 U         |                               | A                     |
| Cardinal IG                                | Buckeye, AZ                        | 6524          | COMP+CAN        | 125 U         |                               | A                     |
| Cardinal IG                                | Fremont, IN                        | 2179          | COMP+CAN        | 150 U         |                               | A                     |
| Cardinal IG                                | Spring Green, WI                   | 1834          | COMP+CAN        | 150 U         |                               | A                     |
| Cardinal IG                                | Ocala, FL                          | 3508          | COMPOSITE       | 850 U         |                               | A                     |
| Cardinal IG                                | Fargo, ND                          | 2232          | COMP+CAN        | 150 U         |                               | A                     |
| Cardinal IG                                | Waxahachie, TX                     | 2331          | COMP+CAN        | 175 U         |                               | A                     |
| Cardinal IG                                | Tomah, WI                          | 2320          | COMP+CAN        | 600 U         |                               | A                     |
| Cardinal IG                                | Mountain Top, PA                   | 3071          | COMP+CAN        | 100 U         |                               | A                     |
| Cardinal IG                                | Greenfield, IA                     | 1830          | COMP+CAN        | 500 U         |                               | A                     |
| Cardinal IG                                | Vinton, VA                         | 2922          | COMP+CAN        | 100 U         |                               | A                     |
| Cardinal LG                                | Amery, WI                          | 4841          | COMP+CAN        | 150 U         |                               | A                     |
| Cardinal Tempering                         | Louisville, KY                     | 3873          | COMPOSITE       | 175 U         |                               | A                     |
| Cardinal TG                                | Chehalis, WA                       | 3459          | COMP+CAN        | 195 U         |                               | A                     |
| Cardinal TG                                | Tomah, WI                          | 1807          | COMP+CAN        | 600 U         |                               | A                     |
| Carey Glass UC                             | Nenagh, Co. Tipperary              | 5998          | COMP+CAN        | 100 U         |                               | A                     |
| Changshu Weier Glass Products Co. Ltd.     | Changshu, Jiangsu, China           | 5354          | COMPOSITE       | 195 U         |                               | A                     |

***Certified Products-By Product Type***

|                                                          |                                 | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i>               |                                 |               |                 |               |                               |                       |
| Changshu ZhongXin Building Materials Co., Ltd.           | Changshu, Jiangsu, China        | 6499          | COMP+CAN        |               | 750 U                         | A                     |
| Chicago Tempered Glass, Inc.                             | Chicago, IL                     | 3088          | COMPOSITE       |               | 200 U                         | A                     |
| Chongqing SYP Engineering Glass Co., Ltd.                | Chongqing, China                | 6810          | COMPOSITE       |               | 125 U                         | A                     |
| Classy Glass Specialties Co., Ltd                        | Dongguan, Guangdong             | 5159          | COMPOSITE       |               | 200 U                         | A                     |
| Clinton Glass Company                                    | Knoxville, TN                   | 5606          | COMPOSITE       |               | 165 U                         | A                     |
| Columbia Commercial Bldg Prod.                           | Rockwall, TX                    | 4921          | COMP+CAN        |               | 175 U                         | A                     |
| Commercial Insulating Glass Co.                          | Cumberland City, TN             | 3808          | COMPOSITE       |               | 165 U                         | A                     |
| Commercial Insulating Glass Co.                          | Sarasota, FL                    | 1891          | COMPOSITE       |               | 285 30x76                     | A                     |
| Consolidated Glass Corp.                                 | New Castle, PA                  | 2002          | COMP+CAN        |               | 285 U                         | A                     |
| Contour Industries, Inc.                                 | Surgoinsville, TN               | 1677          | COMP+CAN        |               | 285 U                         | A                     |
| Contract Glass                                           | Billerica, MA                   | 4973          | COMPOSITE       |               | 100 U                         | A                     |
| Contractors Wardrobe                                     | Valencia, CA                    | 3467          | COMP+CAN        |               | 250 U                         | A                     |
| Coral Industries Glass Division                          | Tuscaloosa, AL                  | 1911          | COMPOSITE       |               | 165 U                         | A                     |
| Cristacurva                                              | Houston, TX                     | 6728          | COMPOSITE       |               | 175 U                         | A                     |
| Cristec Glass S.L.                                       | Balaguer, Lleida                | 5695          | COMPOSITE       |               | 100 U                         | A                     |
| Crystal Tempering, Inc.                                  | Debary, FL                      | 6210          | COMPOSITE       |               | 850 U                         | A                     |
| CS ECO Glass                                             | Negeri Sembilan, Malaysia       | 6868          | COMPOSITE       |               | 195 U                         | A                     |
| Custom Glass Products Inc.                               | Weston, WI                      | 4002          | COMPOSITE       |               | 600 U                         | A                     |
| Custom Glass Solutions Millbury Corp.                    | Millbury, OH                    | 1577          | COMPOSITE       |               | 200 U                         | A                     |
| D3 Glass, LLC                                            | Fort Myers, FL                  | 4795          | COMPOSITE       |               | 285 U                         | A                     |
| Dalian Yihai Safety Glass Science & Technology Co., Ltd. | Dalian, Liaoning, China         | 6929          | COMPOSITE       |               | 125 U                         | A                     |
| Dallas Flat Glass                                        | Carrollton, TX                  | 3701          | COMPOSITE       |               | 175 U                         | A                     |
| DDG Glass Manufacturing SDN BHD                          | Johor, Malaysia                 | 5623          | COMP+CAN        |               | 125 U                         | A                     |
| Denver Glass Interiors, Inc.                             | Englewood, CO                   | 3866          | COMPOSITE       |               | 175 U                         | A                     |
| Deqing Sanxing Plastic Chemical Co. Ltd.                 | Huzhou, Zhejiang, China         | 4146          | COMPOSITE       |               | 750 U                         | A                     |
| Deyao Glass Products (Zhongshan) Co., LTD                | Zhongshan City, Guang dong      | 6965          | COMPOSITE       |               | 285 U                         | A                     |
| Dillmeier Enterprise, Inc.                               | Van Buren, AR                   | 3913          | COMPOSITE       |               | 175 U                         | A                     |
| Dlubak Corporation                                       | Blairsville, PA                 | 3017          | COMPOSITE       |               | 100 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.               | Dongguan, Guangdong, China      | 3934          | COMP+CAN        |               | 125 U                         | A                     |
| Downey Glass Industries, LLC                             | Pompano Beach, FL               | 2662          | COMPOSITE       |               | 285 U                         | A                     |
| Eagle Valley Glass                                       | Gypsum, CO                      | 6673          | COMPOSITE       |               | 175 U                         | A                     |
| Echols Glass and Mirror, Inc.                            | Buford, GA                      | 6315          | COMPOSITE       |               | 165 U                         | A                     |
| Eckelt Glas GmbH                                         | Steyr, Austria                  | 2850          | COMPOSITE       |               | 100 U                         | A                     |
| Edge Tempering                                           | Hialeah, FL                     | 6297          | COMPOSITE       |               | 285 U                         | A                     |
| EFCO Corporation                                         | Monett, MO                      | 1902          | COMPOSITE       |               | 175 U                         | A                     |
| EFI                                                      | Kernersville, NC                | 5026          | COMP+CAN        |               | 165 U                         | A                     |
| Fairis C.A.                                              | Ambato, Tungurahua, Ecuador     | 4427          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Distributors                                  | Jacksonville, FL                | 3824          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Group Co., Ltd.                               | Jiaxing, Zhejiang, China        | 5522          | COMP+CAN        |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass                      | Foshan City, Guangdong Province | 6119          | COMP+CAN        |               | 125 U                         | A                     |
| Foshan Super Glass Ind. Co; Ltd.                         | Foshan, Guangdong, China        | 7020          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan YC Glass Co., Ltd.                                | Guangdong, China                | 6820          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan ZhongKang YiMeiJia Glass Co. Ltd.                 | Foshan, Guangdong, China        | 6948          | COMPOSITE       |               | 285 U                         | A                     |
| Fountain Glass Inc.                                      | Lenexa, KS                      | 7101          | COMPOSITE       |               | 150 U                         | A                     |
| Fujian Chengda Glass Co., Ltd                            | Longhai, Zhangzhou              | 7185          | COMPOSITE       |               | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd            | Nan an Fujian China             | 5091          | COMPOSITE       |               | 285 U                         | A                     |

***Certified Products-By Product Type***

|                                                        |                               | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------------------|-------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i>             |                               |               |                 |               |                               |                       |
| Garibaldi Glass Ind. Inc.                              | Burnaby, BC                   | 4419          | COMP+CAN        |               | 750 U                         | A                     |
| GELI Glas Energieeffizienz<br>Lichtdesign Ilmenau GmbH | Ilmenau, Thuringen            | 6739          | COMPOSITE       |               | 100 U                         | A                     |
| General Glass                                          | Vancouver, WA                 | 4034          | COMPOSITE       |               | 195 U                         | A                     |
| GGI Glass Distributors Corp.                           | Secaucus, NJ                  | 2227          | COMPOSITE       |               | 100 U                         | A                     |
| GLASPRO                                                | Santa Fe Springs, CA          | 6047          | COMP+CAN        |               | 250 U                         | A                     |
| Glass and Mirror Craft                                 | Wixom, MI                     | 4200          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Depot Inc.                                       | Opa Locka, FL                 | 7181          | COMPOSITE       |               | 285 U                         | A                     |
| Glass Design of Miami, Inc.                            | Medley, FL                    | 7145          | COMPOSITE       |               | 285 U                         | A                     |
| Glass Enterprises, Inc.                                | Bensalem, PA                  | 4629          | COMPOSITE       |               | 800 U                         | A                     |
| Glass Global Distributors LLC                          | North Miami, FL               | 6797          | COMPOSITE       |               | 285 U                         | A                     |
| Glassbel Baltic                                        | Klaipeda, Lithuania           | 6706          | COMPOSITE       |               | 800 U                         | A                     |
| GlasseCViracon                                         | Nazaré Paulista, São Paulo    | 6993          | COMP+CAN        |               | 150 U                         | A                     |
| GlassFab Tempering Services Inc.<br>Holly Drive        | Tracy, CA                     | 7024          | COMPOSITE       |               | 125 U                         | A                     |
| GlassFab Tempering Services, Inc.<br>Mariani Ct.       | Tracy, CA                     | 4891          | COMPOSITE       |               | 125 U                         | A                     |
| Glasswerks GWA- West                                   | South Gate CA                 | 5482          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWLA- East                                  | South Gate, CA                | 4806          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWT                                         | Temecula, CA                  | 6096          | COMP+CAN        |               | 250 U                         | A                     |
| Glaz-Tech Industries, Inc.                             | Santa Teresa, NM              | 6601          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                             | Englewood, CO                 | 2187          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                             | Boise, ID                     | 6609          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                             | Phoenix, AZ                   | 6584          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                             | Tucson, AZ                    | 6576          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                             | Albuquerque, NM               | 6594          | COMPOSITE       |               | 175 U                         | A                     |
| Glenny Glass Co.                                       | Milford, OH                   | 3844          | COMPOSITE       |               | 200 U                         | A                     |
| Global Security Glazing                                | Selma, AL                     | 4766          | COMP+CAN        |               | 285 U                         | A                     |
| Global Tempering, LLC                                  | Hialeah, FL                   | 7330          | COMP+CAN        |               | 285 U                         | A                     |
| GnT Glass Co., Ltd.                                    | Dongguan, Guangdong, China    | 6540          | COMP+CAN        |               | 400 U                         | A                     |
| Goldray Industries Ltd.                                | Calgary, AB Canada            | 2447          | COMP+CAN        |               | 195 U                         | A                     |
| Griffin Glass & Metal Werks, Inc.                      | Elmhurst, IL                  | 7147          | COMP+CAN        |               | 500 U                         | A                     |
| Grupo Vidrios el Castillo                              | Escobedo, Nuevo Leon, Mexico  | 5840          | COMP+CAN        |               | 175 U                         | A                     |
| Guangdong Golden Glass<br>Technologies                 | Shantou, Guangdong, China     | 3941          | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                    | Richburg, SC                  | 1633          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                                    | Kingsburg, CA                 | 971           | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                    | Geneva, NY                    | 2262          | COMP+CAN        |               | 400 U                         | A                     |
| Guardian Glass, LLC                                    | DeWitt, IA                    | 2023          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Glass, LLC                                    | Corsicana, TX                 | 1251          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                                    | Carleton, MI                  | 131           | COMP+CAN        |               | 200 U                         | A                     |
| Guardian IG LLC                                        | Sun Prairie, WI               | 5643          | COMP+CAN        |               | 150 U                         | A                     |
| Guardian Industries Corp.                              | Galax, VA                     | 4607          | COMP+CAN        |               | 285 U                         | A                     |
| Guardian VIG, LLC                                      | Millbury, OH                  | 7093          | COMP+CAN        |               | 100 U                         | A                     |
| Gulf Glass Industries, LLC                             | Sharjah, United Arab Emirates | 4796          | COMPOSITE       |               | 800 U                         | A                     |
| Industrial Tempering Glass                             | Brooklyn, NY                  | 6985          | COMPOSITE       |               | 100 U                         | A                     |
| Industries Vanier Inc.                                 | Anjou, QC                     | 6955          | COMP+CAN        |               | 450 U                         | A                     |
| Inkan Ltd                                              | Brampton, ON                  | 5135          | COMP+CAN        |               | 800 U                         | A                     |
| Innovative Glass of America, Inc.                      | Dallas, NC                    | 3862          | COMPOSITE       |               | 165 U                         | A                     |
| Innovative Glass Products LLC                          | Carrollton, TX                | 7065          | COMPOSITE       |               | 175 U                         | A                     |
| Insulite Glass Co., Inc.                               | Olathe, KS                    | 3715          | COMPOSITE       |               | 150 U                         | A                     |
| Integral Seal Mfg. Inc.                                | Concord, ON Canada            | 4684          | COMP+CAN        |               | 100 U                         | A                     |
| Integrity Glass Tempering, LLC.                        | Venice, FL                    | 6635          | COMPOSITE       |               | 285 U                         | A                     |

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|                                            |                           | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------|---------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i> |                           |               |                 |               |                               |                       |
| Interglass Corp                            | Miami, FL                 | 5033          | COMPOSITE       |               | 285 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.             | Xiamen, Fujian, China     | 2575          | COMP+CAN        |               | 200 U                         | A                     |
| Intigral                                   | Walton Hills, OH          | 2055          | COMP+CAN        |               | 103 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.    | Guangdong, China          | 4305          | COMP+CAN        |               | 125 U                         | A                     |
| Jiangyin Mingyang Glass Production         | Jiangyin City, Jiangsu    | 5779          | COMPOSITE       |               | 125 U                         | A                     |
| JM Glass                                   | Hayward, CA               | 4929          | COMPOSITE       |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                         | Foshan, Guangdong, China  | 3960          | COMP+CAN        |               | 125 U                         | A                     |
| Kawneer - (Cranberry) an Arconic Company   | Cranberry Township, PA    | 2490          | COMPOSITE       |               | 100 U                         | A                     |
| Kensington Glass Arts                      | Ijamsville, MD            | 5973          | COMPOSITE       |               | 100 U                         | A                     |
| Kohler Company                             | Union City, TN            | 1982          | COMPOSITE       |               | 165 U                         | A                     |
| La Tecnica Nel Vetro SpA                   | Scafati, Salerno, Italy   | 7168          | COMP+CAN        |               | 125 U                         | A                     |
| Les Verres VMIK Inc.                       | Gatineau, QC              | 6895          | COMP+CAN        |               | 450 U                         | A                     |
| Louisville Plate Glass                     | Louisville, KY            | 6073          | COMPOSITE       |               | 200 U                         | A                     |
| LTI Smart Glass, Inc.                      | Pittsfield, MA            | 6923          | COMPOSITE       |               | 400 U                         | A                     |
| M Industria S.A. DE C.V.                   | Merida, Yucatan Mexico    | 5410          | COMP+CAN        |               | 285 U                         | A                     |
| M&M Tempering Inc.                         | Loganville, GA            | 4280          | COMPOSITE       |               | 165 U                         | A                     |
| M3 Glass Technologies                      | Irving, TX                | 5945          | COMPOSITE       |               | 175 U                         | A                     |
| Manko Window Systems                       | Aurora, CO                | 6278          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Window Systems- KS                   | Manhattan, KS             | 6828          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                              | Des Moines, IA            | 6289          | COMPOSITE       |               | 500 U                         | A                     |
| Maryland Glass & Mirror                    | Baltimore, MD             | 4320          | COMPOSITE       |               | 100 U                         | A                     |
| McGrory Glass                              | Paulsboro, NJ             | 4813          | COMPOSITE       |               | 100 U                         | A                     |
| Mercer Glass Fab LLC                       | Trenton, NJ               | 4254          | COMPOSITE       |               | 100 U                         | A                     |
| Mid-American Glass                         | Davenport, IA             | 7230          | COMPOSITE       |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.             | Highland, MI              | 6030          | COMP+CAN        |               | 200 U                         | A                     |
| Milgard Tempering                          | Dixon, CA                 | 2842          | COMPOSITE       |               | 125 U                         | A                     |
| Mr. Glass Tempering, LLC                   | Brooklyn, NY              | 7171          | COMP+CAN        |               | 100 U                         | A                     |
| Multiver                                   | Vanier, QC                | 2499          | COMPOSITE       |               | 400 U                         | A                     |
| Nashville Tempered Glass Corp.             | Nashville, TN             | 1417          | COMP+CAN        |               | 285 U                         | A                     |
| Nashville Tempered Glass LLC               | Hendersonville, TN        | 2693          | COMP+CAN        |               | 285 U                         | A                     |
| New Angle Beveling                         | Clearfield, PA            | 5773          | COMPOSITE       |               | 103 U                         | A                     |
| New Angle Beveling                         | Hyde, PA                  | 4595          | COMPOSITE       |               | 103 U                         | A                     |
| New Century Glass & Aluminum LLC           | Woodside, NY              | 5456          | COMPOSITE       |               | 400 U                         | A                     |
| Ningbo Xinxin Glass Technology Co., Ltd    | Ningbo, China             | 6272          | COMPOSITE       |               | 125 U                         | A                     |
| Northwestern Glass Fab                     | Fridley, MN               | 6735          | COMPOSITE       |               | 150 U                         | A                     |
| Northwestern Industries, Inc.              | Seattle, WA               | 6435          | COMPOSITE       |               | 195 U                         | A                     |
| Northwestern Industries, Inc.              | Yuma, AZ                  | 6567          | COMPOSITE       |               | 250 U                         | A                     |
| Novatech Canada Inc.                       | St-Agapit, Quebec, Canada | 7009          | COMP+CAN        |               | 450 U                         | A                     |
| Novatech Canada Inc.                       | Montreal, Quebec, Canada  | 6220          | COMP+CAN        |               | 450 U                         | A                     |
| NY Tempering LLC                           | Maspeth, NY               | 4901          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Schofield, WI             | 3170          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Concord, ON               | 3442          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Albertville, MN           | 3107          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Phoenix, AZ               | 3131          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Grand Prairie, TX         | 3253          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Vancouver, WA             | 3222          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Shawnee, OK               | 3098          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Houston, TX               | 3159          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Hauppauge, NY             | 1548          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Moorestown, NJ            | 3183          | COMP+CAN        |               | 100 U                         | A                     |

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|-----------------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i>                |                                           |               |                 |               |                               |                       |
| Oldcastle BuildingEnvelope®                               | Tampa, FL                                 | 3119          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Indianapolis, IN                          | 2212          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Langley, BC                               | 3289          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Perrysburg, OH                            | 3236          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Denver, CO                                | 3313          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Calgary, AB                               | 3266          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Miami, FL                                 | 3498          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Los Angeles, CA                           | 514           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Covington, GA                             | 3332          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Rock Hill, SC                             | 3278          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Fremont, CA                               | 3194          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Wright City, MO                           | 3140          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Warrenton, MO                             | 3147          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.                   | Pointe-aux-Trembles, QC                   | 2543          | COMP+CAN        |               | 450 U                         | A                     |
| Paragon Tempered Glass                                    | Antwerp, OH                               | 2687          | COMPOSITE       |               | 500 U                         | A                     |
| Patriot Armored Systems, LLC                              | Lee, MA                                   | 6690          | COMPOSITE       |               | 100 U                         | A                     |
| PFG Glass                                                 | Langley, BC                               | 3541          | COMP+CAN        |               | 750 U                         | A                     |
| PGT Industries                                            | North Venice, FL                          | 2391          | COMPOSITE       |               | 850 U                         | A                     |
| Pilkington Architectural                                  | St. Helens, Merseyside, England           | 7132          | COMP+CAN        |               | 150 U                         | A                     |
| Portland Glass Manufacturing                              | Clackamas, OR                             | 6372          | COMPOSITE       |               | 195 U                         | A                     |
| Precision Glass Industries                                | Houston, TX                               | 6887          | COMPOSITE       |               | 175 U                         | A                     |
| Prelco Inc.                                               | Saint-Jacques, NB                         | 4914          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                               | Riviere-du-loup, QC                       | 2015          | COMP+CAN        |               | 450 U                         | A                     |
| Premier Glass Products                                    | Atlanta, GA                               | 6792          | COMP+CAN        |               | 165 U                         | A                     |
| PRESS GLASS SA                                            | Radomsko, Poland                          | 5846          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                            | Tychy, Poland                             | 5853          | COMP+CAN        |               | 800 U                         | A                     |
| Press Glass, Inc.                                         | Stoneville, NC                            | 2732          | COMPOSITE       |               | 285 U                         | A                     |
| PRL Glass Systems                                         | City of Industry, CA                      | 6508          | COMPOSITE       |               | 125 U                         | A                     |
| Procesadora De Jalisco S.A. DE C.V. - Queretaro           | San Juan del Rio, Queretaro               | 6717          | COMPOSITE       |               | 175 U                         | A                     |
| Procesadora de Jalisco, S.A. DE C.V.                      | Zapopan, Mexico                           | 6718          | COMPOSITE       |               | 175 U                         | A                     |
| Productora y Distribuidora de Espejos S.A. de C.V.        | Pesqueria, Nuevo Leon                     | 6517          | COMPOSITE       |               | 175 U                         | A                     |
| Productos De Valor Agregado en Cristal S.A. de C.V.       | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4645          | COMPOSITE       |               | 175 U                         | A                     |
| Produits Verrier International Inc.                       | Montreal, Quebec                          | 5501          | COMP+CAN        |               | 450 U                         | A                     |
| Pulp Studio, Inc.                                         | Gardena, CA                               | 6416          | COMP+CAN        |               | 250 U                         | A                     |
| Qingdao Apis Glass Industries Co. Ltd.                    | Shandong, China                           | 6883          | COMPOSITE       |               | 125 U                         | A                     |
| Qingdao Jinjing Co., Ltd.                                 | Qingdao City, Shandong China              | 6198          | COMP+CAN        |               | 125 U                         | A                     |
| Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd | Qinhuangdao, Hebei, China                 | 6313          | COMP+CAN        |               | 150 U                         | A                     |
| Quaker Window Products, Inc.                              | Freeburg, MO                              | 3485          | COMP+CAN        |               | 150 U                         | A                     |
| Quality Enclosures                                        | Central Islip, NY                         | 6441          | COMP+CAN        |               | 100 U                         | A                     |
| Quality Enclosures Tempering, Inc.                        | Port Orange, FL                           | 6244          | COMPOSITE       |               | 165 U                         | A                     |
| Quality Glass & Mirror, Inc.                              | Mount Prospect, IL                        | 2982          | COMPOSITE       |               | 500 U                         | A                     |
| Quest Window Systems                                      | Mississauga, ON                           | 5719          | COMP+CAN        |               | 450 U                         | A                     |
| Ready Glass & Mirror, Inc.                                | Hialeah, FL                               | 3746          | COMPOSITE       |               | 285 U                         | A                     |
| Reem Emirates Aluminum & Glass                            | Abu Dhabi, United Arab Emirates           | 4675          | COMPOSITE       |               | 150 U                         | A                     |
| Right Away Glass, Inc.                                    | Naples, FL                                | 6513          | COMPOSITE       |               | 285 U                         | A                     |
| Rizhao Huaye Glass Co., Ltd.                              | Rizhao, Shandong                          | 5568          | COMP+CAN        |               | 285 U                         | A                     |
| Robover Inc.                                              | Quebec City, QC                           | 5202          | COMP+CAN        |               | 450 U                         | A                     |
| S.F. Tempering                                            | Dania Beach, FL                           | 5019          | COMPOSITE       |               | 285 U                         | A                     |
| SAAND London                                              | London, ON                                | 3980          | COMP+CAN        |               | 450 U                         | A                     |

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|----------------------------------------------------------------|--------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i>                     |                                |               |                 |               |                               |                       |
| SAAND Ottawa                                                   | Stittsville, ON                | 4952          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Rexdale                                                  | Rexdale, ON                    | 4998          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto Inc.                                             | Toronto, ON                    | 2484          | COMP+CAN        |               | 450 U                         | A                     |
| Saint-Gobain Glassolutions Objekt-Center GmbH                  | Radeburg, Germany              | 6913          | COMP+CAN        |               | 100 U                         | A                     |
| Sapphire Glass Systems Inc.                                    | Sterling, VA                   | 7263          | COMP+CAN        |               | 100 U                         | A                     |
| Saudi American Glass Company                                   | Riyadh, Saudi Arabia           | 6192          | COMPOSITE       |               | 100 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                                    | Sweetwater, TN                 | 1477          | COMP+CAN        |               | 285 U                         | A                     |
| SCHOTT Gemtron (Canada) Corporation                            | Midland, ON Canada             | 3637          | COMP+CAN        |               | 100 U                         | A                     |
| SG Glass Industries L.L.C.                                     | Miami Gardens, FL              | 6360          | COMP+CAN        |               | 285 U                         | A                     |
| Shandong Kingtom Glass Co., Ltd.                               | Qingdao, Shandong China        | 6461          | COMP+CAN        |               | 125 U                         | A                     |
| Shanghai SYP Engineering Glass                                 | Shanghai, China                | 4069          | COMP+CAN        |               | 125 U                         | A                     |
| Shanghai Zhenzhen Glassware Co., LTD.                          | Shanghai, China                | 6125          | COMP+CAN        |               | 195 U                         | A                     |
| Shape Products LLC.                                            | Sarasota, FL                   | 6504          | COMPOSITE       |               | 285 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                               | Xingtai City, Hebei Province   | 6488          | COMPOSITE       |               | 125 U                         | A                     |
| Shower Doors & More Inc.                                       | Fort Lauderdale, FL            | 5757          | COMPOSITE       |               | 285 U                         | A                     |
| Sichuan CSG Energy Conservation Glass Co., Ltd.                | Chengdu, Sichuan               | 7051          | COMPOSITE       |               | 125 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME                  | 2964          | COMPOSITE       |               | 100 U                         | A                     |
| Sky Land Tempering Glass Corp                                  | Long Island City, NY           | 5468          | COMPOSITE       |               | 100 U                         | A                     |
| Skyline Design                                                 | Chicago, IL                    | 6340          | COMP+CAN        |               | 600 U                         | A                     |
| Solar Seal Massachusetts                                       | South Easton, MA               | 1035          | COMPOSITE       |               | 800 U                         | A                     |
| Solar Seal Virginia                                            | Stafford, VA                   | 5724          | COMPOSITE       |               | 100 U                         | A                     |
| South Bay Showers, Inc.                                        | Santa Clara, CA                | 7252          | COMPOSITE       |               | 125 U                         | A                     |
| Standard Bent Glass                                            | East Butler, PA                | 6301          | COMP+CAN        |               | 103 U                         | A                     |
| Stargrup Cam A.S.                                              | Arnavutkoy, Istanbul           | 6204          | COMPOSITE       |               | 285 U                         | A                     |
| Sterling Mirror Company, LLC                                   | Stevensville, MD               | 6183          | COMP+CAN        | (IN)          | 800 U                         | A                     |
| Strong Tempering Glass Industry LLC                            | Brooklyn, NY                   | 5940          | COMPOSITE       |               | 100 U                         | A                     |
| Sunfire Glass, Inc.                                            | Medley, FL                     | 7033          | COMPOSITE       |               | 285 U                         | A                     |
| Swift Glass Co., Inc.                                          | Elmira Heights, NY             | 1557          | COMPOSITE       |               | 400 U                         | A                     |
| Syracuse Glass Co., Inc.                                       | Syracuse, NY                   | 2656          | COMP+CAN        |               | 400 U                         | A                     |
| Tacoma Glass Mfg. Inc.                                         | Burlington, WA                 | 5165          | COMPOSITE       |               | 195 U                         | A                     |
| Tacoma Glass Mfg. Inc.                                         | Lakewood, WA                   | 4730          | COMPOSITE       |               | 750 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China     | 4872          | COMP+CAN        |               | 285 U                         | A                     |
| Taiwan Glass Industry Corp.                                    | Taipei, Taiwan, China          | 3888          | COMP+CAN        |               | 750 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN              | 2975          | COMP+CAN        |               | 285 U                         | A                     |
| Tecnoglass S.A.                                                | Barranquilla, Colombia         | 1994          | COMP+CAN        |               | 285 U                         | A                     |
| TEMCOR S. DE RL DE CV                                          | Santa Catarina N.L, Mexico     | 6981          | COMPOSITE       |               | 175 U                         | A                     |
| Temp Glass Inc.                                                | El Paso, TX                    | 6699          | COMPOSITE       |               | 175 U                         | A                     |
| Tempco Glass                                                   | Flushing, NY                   | 5011          | COMPOSITE       |               | 400 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China                | 6419          | COMP+CAN        |               | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                    | 6039          | COMPOSITE       |               | 175 U                         | A                     |
| Thermal Seal Insulating Glass                                  | Uxbridge, MA                   | 5734          | COMPOSITE       |               | 285 U                         | A                     |
| Thermalsun Glass Products                                      | Santa Rosa, CA                 | 6268          | COMPOSITE       |               | 125 U                         | A                     |
| Thermo BSL                                                     | Riviere-du-loup, QC            | 4293          | COMP+CAN        |               | 800 U                         | A                     |
| Thermoseal Industries, a Senneca Company                       | Gloucester City, NJ            | 4471          | COMPOSITE       |               | 100 U                         | A                     |
| Thermover 2017                                                 | Saint-Leonard (Quebec), Canada | 6979          | COMP+CAN        |               | 400 U                         | A                     |
| Thompson I.G. LLC.                                             | Fenton, MI                     | 5305          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd                 | Tianjin, China                 | 4023          | COMP+CAN        |               | 100 U                         | A                     |

***Certified Products-By Product Type***

|                                                |                               | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|------------------------------------------------|-------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i>     |                               |               |                 |               |                               |                       |
| Tianjin SYP Engineering Glass Co., Ltd.        | Tianjin, China                | 4076          | COMP+CAN        | 125 U         | A                             |                       |
| Tristar Glass, Inc.                            | Oklahoma City, OK             | 6616          | COMPOSITE       | 175 U         | A                             |                       |
| Tristar Glass, Inc.                            | Catoosa, OK                   | 4007          | COMPOSITE       | 175 U         | A                             |                       |
| Tristar Glass, Inc.                            | Grand Prairie, TX             | 5109          | COMPOSITE       | 175 U         | A                             |                       |
| Tristar Glass, Inc.                            | Houston, TX                   | 5762          | COMPOSITE       | 175 U         | A                             |                       |
| Triton Glass LLC                               | Albemarle, NC                 | 5692          | COMPOSITE       | 165 U         | A                             |                       |
| Triview Glass Industries                       | City of Industry, CA          | 5041          | COMP+CAN        | 250 U         | A                             |                       |
| Troy Systems LLC                               | Manassas, VA                  | 4061          | COMPOSITE       | 100 U         | A                             |                       |
| Trulite Glass & Aluminum Solutions Canada, ULC | Bois-des-Filion, QC           | 6062          | COMP+CAN        | 450 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Youngsville, NC               | 5274          | COMPOSITE       | 165 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Vaughan, ON                   | 5509          | COMP+CAN        | 450 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Knoxville, TN                 | 4153          | COMPOSITE       | 285 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | New Berlin, WI                | 5877          | COMPOSITE       | 600 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Houston, TX                   | 5483          | COMP+CAN        | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Fremont, CA                   | 5795          | COMPOSITE       | 750 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Bradenton, FL                 | 4225          | COMPOSITE       | 285 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Phoenix, AZ                   | 5746          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Cheswick, PA                  | 1786          | COMPOSITE       | 103 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Fort Worth, TX                | 5399          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Orlando, FL                   | 5184          | COMPOSITE       | 285 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Indianapolis, IN              | 4923          | COMPOSITE       | 200 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Tulsa, OK                     | 5445          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Columbus, OH                  | 4747          | COMPOSITE       | 285 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Salt Lake City, UT            | 5338          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | San Antonio, TX               | 3326          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Aurora, CO                    | 5343          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Lithia Springs, GA            | 6103          | COMP+CAN        | 165 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Grenada, MS                   | 2789          | COMPOSITE       | 165 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | Las Vegas, NV                 | 4213          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions           | City of Industry, CA          | 4185          | COMPOSITE       | 250 U         | A                             |                       |
| Tweddells Inc.                                 | Santa Ana, CA                 | 5385          | COMP+CAN        | 250 U         | A                             |                       |
| U.S. Glass Distributors Inc.                   | Enfield, CT                   | 5923          | COMP+CAN        | 400 U         | A                             |                       |
| Uniglass                                       | Riyadh, Saudi Arabia          | 7029          | COMPOSITE       | 100 U         | A                             |                       |
| United Plate Glass Co., Inc.                   | Butler, PA                    | 2469          | COMP+CAN        | 800 U         | A                             |                       |
| United Plate Glass Company of Charlotte        | Lincolnton, NC                | 3950          | COMP+CAN        | 165 U         | A                             |                       |
| Unitex Glass Chengdu Co., Ltd                  | Chendu, Sichuan, China        | 5408          | COMPOSITE       | 200 U         | A                             |                       |
| Upstate Glass Tempering Inc.                   | Middletown, NY                | 5157          | COMPOSITE       | 400 U         | A                             |                       |
| US Glass Tempering Inc.                        | San Leandro, CA               | 7157          | COMPOSITE       | 125 U         | A                             |                       |
| Val y Val SA de CV                             | Pagliai, Veracruz, Mexico     | 6989          | COMPOSITE       | 175 U         | A                             |                       |
| Vidrio Bisel S.A. de C.V. (Santa Catarina)     | Monterrey, Nuevo Leon, Mexico | 4966          | COMP+CAN        | 175 U         | A                             |                       |
| Vidrio Bisel S.A. de C.V. (Santos Chocano)     | Monterrey, Nuevo Leon, Mexico | 6702          | COMP+CAN        | 175 U         | A                             |                       |
| View Inc.                                      | Olive Branch, MS              | 4728          | COMPOSITE       | 175 U         | A                             |                       |
| Viracon Inc.                                   | Owatonna, MN                  | 1404          | COMP+CAN        | 150 U         | A                             |                       |
| Viracon Inc.                                   | Statesboro, GA                | 2310          | COMP+CAN        | 165 U         | A                             |                       |
| Virginia Glass Products Corp.                  | Martinsville, VA              | 14            | COMPOSITE       | 100 U         | A                             |                       |
| Vistamatic, LLC                                | Coral Springs, FL             | 6537          | COMPOSITE       | 285 U         | A                             |                       |
| Vitemex                                        | Reynosa, Tamaulipas Mexico    | 5393          | COMPOSITE       | 175 U         | A                             |                       |
| Vitra Vidrios Transformados SA de CV           | Cortes, Honduras              | 4652          | COMPOSITE       | 285 U         | A                             |                       |
| Vitro Architectural Glass                      | Barrie, ON                    | 5206          | COMP+CAN        | 800 U         | A                             |                       |



***Certified Products-By Product Type***

|                                                       |                                    | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-------------------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Transparent Glass</i>            |                                    |               |                 |               |                               |                       |
| Vitro Flat Glass, LLC                                 | Wichita Falls, TX                  | 1113          | COMPOSITE       |               | 175 U                         | A                     |
| Vitro Flat Glass, LLC                                 | Carlisle, PA                       | 382           | COMP+CAN        |               | 400 U                         | A                     |
| Vitrum Industries Ltd.                                | Langley, BC                        | 7117          | COMP+CAN        |               | 950 U                         | A                     |
| W. A. Wilson Inc.                                     | Wheeling, WV                       | 4171          | COMPOSITE       |               | 200 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products   | Cerritos, CA                       | 6087          | COMP+CAN        |               | 250 U                         | A                     |
| WGM Fabricators, LLC                                  | Whitinsville, MA                   | 6367          | COMP+CAN        |               | 100 U                         | A                     |
| Whalley Glass Co                                      | Derby, CT                          | 6228          | COMPOSITE       |               | 100 U                         | A                     |
| White Aluminum Enterprises LLC                        | Abu Dhabi, United Arab Emirates    | 4598          | COMPOSITE       |               | 150 U                         | A                     |
| Wholesale Glass Dist.                                 | Memphis, TN                        | 4380          | COMPOSITE       |               | 150 U                         | A                     |
| WinTech                                               | Monett, MO                         | 6434          | COMP+CAN        |               | 500 U                         | A                     |
| Wisconsin Shower Door & Supply                        | Menomonee Falls, WI                | 5588          | COMPOSITE       |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.                        | Grand Rapids, MI                   | 5428          | COMP+CAN        |               | 200 U                         | A                     |
| WSD Glass, Inc.                                       | Winston-Salem, NC                  | 4049          | COMPOSITE       |               | 165 U                         | A                     |
| Wujiang CSG Huadong Architectural Glass Co., LTD      | Wujiang, Jiangsu, China            | 6785          | COMPOSITE       |               | 250 U                         | A                     |
| Wujiang Golden Glass Technologies, Ltd.               | Wujiang City, China                | 5251          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.      | Xianning, Hubei, China             | 6004          | COMP+CAN        |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                        | Tianjin, China                     | 5533          | COMP+CAN        |               | 195 U                         | A                     |
| Xinyi Glass (Yingkou) Co., Ltd.                       | Liaoning, China                    | 6848          | COMPOSITE       |               | 195 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                         | Dongguan, Guangdong, China         | 3053          | COMP+CAN        |               | 195 U                         | A                     |
| Yao Xiang Glass Product Co. Ltd.                      | Foshan, Guangdong, China           | 3738          | COMP+CAN        |               | 285 U                         | A                     |
| Yitian (Cattis) Glass Product Co., Ltd                | Foshan, Guangdong, China           | 6453          | COMP+CAN        |               | 125 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.              | Foshan, Guangdong, China           | 5891          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.          | Zhangjiagang, Jiangsu, China       | 5740          | COMP+CAN        |               | 250 U                         | A                     |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Hangzhou, Zhejiang, China          | 5078          | COMP+CAN        |               | 125 U                         | A                     |
| Zhongshan Fuan Glass Co., Ltd.                        | Zhongshan, Guangdong               | 6654          | COMPOSITE       |               | 125 U                         | A                     |
| Zhongshan Walle Glass Product Co., Ltd                | Zhongshan City, Guangdong Province | 6725          | COMP+CAN        |               | 250 U                         | A                     |
| <i>5/16 Inch Tempered Transparent Glass</i>           |                                    |               |                 |               |                               |                       |
| A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY      | Riyadh, Saudi Arabia               | 7276          | COMP+CAN        |               | 100 U                         | A                     |
| Advantec Global Innovations                           | Langley, BC Canada                 | 4502          | COMPOSITE       |               | 750 U                         | A                     |
| AGC Flat Glass North America                          | Greenland, TN                      | 4046          | COMP+CAN        |               | 285 U                         | A                     |
| AJJ Glass Products Co., Ltd                           | Xiamen, Fujian                     | 7175          | COMP+CAN        |               | 125 U                         | A                     |
| Al Abbar Architectural Glass                          | Dubai, United Arab Emirates        | 3557          | COMPOSITE       |               | 100 U                         | A                     |
| All Counties Glass                                    | Stockton, CA                       | 6413          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                         | Woodbridge, ON Canada              | 2790          | COMPOSITE       |               | 450 U                         | A                     |
| All Weather Tempering of Arizona, LLC.                | Phoenix, AZ                        | 7010          | COMPOSITE       |               | 125 U                         | A                     |
| Aluminum Manufacturers Co. Ltd - ALUMATEC             | Jeddah, Saudi Arabia               | 6152          | COMPOSITE       |               | 400 U                         | A                     |
| Aluminum Technology Auxiliary Industries              | Doha, Qatar                        | 7198          | COMPOSITE       |               | 125 U                         | A                     |
| Anthony International                                 | Madison, GA                        | 5234          | COMPOSITE       |               | 165 U                         | A                     |
| Ascent Glass Products (Zhong Shan) Limited            | Zhongshan City, Guangdong Province | 5868          | COMPOSITE       |               | 285 U                         | A                     |
| Bazhou hua Biao Furniture Co., Ltd.                   | Bazhou, Hebei                      | 7195          | COMP+CAN        |               | 150 U                         | A                     |
| Beijing Northglass Technologies Co. Ltd               | Beijing, China                     | 6669          | COMP+CAN        |               | 195 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                       | Beijing, China                     | 6906          | COMPOSITE       |               | 125 U                         | A                     |

**Certified Products-By Product Type**

|                                                          |                                 | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/16 Inch Tempered Transparent Glass</i>              |                                 |               |                 |               |                               |                       |
| Blue Star Glass Inc.                                     | North Brunswick, NJ             | 6407          | COMPOSITE       |               | 100 U                         | A                     |
| BVGLAZING SYSTEMS                                        | Concord, ON                     | 6137          | COMP+CAN        |               | 450 U                         | A                     |
| C&C Custom Glass & Tempering, LLC                        | Tulsa, OK                       | 6857          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal CG                                              | Mazomanie, WI                   | 6552          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                              | Spring Green, WI                | 5281          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal CG                                              | Northfield, MN                  | 4775          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CT                                              | Adel, GA                        | 6842          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal IG                                              | Greenfield, IA                  | 5435          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal IG                                              | Buckeye, AZ                     | 6557          | COMP+CAN        |               | 125 U                         | A                     |
| Cardinal IG                                              | Tomah, WI                       | 6069          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal IG                                              | Fargo, ND                       | 7067          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal LG                                              | Amery, WI                       | 4842          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal TG                                              | Tomah, WI                       | 4881          | COMP+CAN        | (IN)          | 600 U                         | A                     |
| Carey Glass UC                                           | Nenagh, Co. Tipperary           | 5999          | COMP+CAN        |               | 100 U                         | A                     |
| Changshu Xingfu Glass Building Material Co., LTD         | Changshu, Jiangsu, China        | 5151          | COMP+CAN        |               | 165 U                         | A                     |
| Changshu ZhongXin Building Materials Co., Ltd.           | Changshu, Jiangsu, China        | 6500          | COMP+CAN        |               | 750 U                         | A                     |
| Chongqing SYP Engineering Glass Co., Ltd.                | Chongqing, China                | 6811          | COMPOSITE       |               | 125 U                         | A                     |
| Classy Glass Specialties Co., Ltd                        | Dongguan, Guangdong             | 5160          | COMPOSITE       |               | 200 U                         | A                     |
| Consolidated Glass Corp.                                 | New Castle, PA                  | 3635          | COMP+CAN        |               | 285 U                         | A                     |
| Contour Industries, Inc.                                 | Surgoinsville, TN               | 4701          | COMP+CAN        |               | 285 U                         | A                     |
| Contractors Wardrobe                                     | Valencia, CA                    | 3468          | COMP+CAN        |               | 250 U                         | A                     |
| Cristec Glass S.L.                                       | Balaguer, Lleida                | 6840          | COMPOSITE       |               | 100 U                         | A                     |
| CS ECO Glass                                             | Negeri Sembilan, Malaysia       | 6869          | COMPOSITE       |               | 195 U                         | A                     |
| Custom Glass Solutions Millbury Corp.                    | Millbury, OH                    | 6354          | COMPOSITE       | (IN)          | 200 U                         | A                     |
| Dalian Yihai Safety Glass Science & Technology Co., Ltd. | Dalian, Liaoning, China         | 6930          | COMPOSITE       |               | 125 U                         | A                     |
| DDG Glass Manufacturing SDN BHD                          | Johor, Malaysia                 | 5624          | COMP+CAN        |               | 125 U                         | A                     |
| Deyao Glass Products (Zhongshan) Co., LTD                | Zhongshan City, Guang dong      | 6966          | COMPOSITE       |               | 285 U                         | A                     |
| Dillmeier Enterprise, Inc.                               | Van Buren, AR                   | 4839          | COMPOSITE       |               | 175 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.               | Dongguan, Guangdong, China      | 3935          | COMP+CAN        |               | 125 U                         | A                     |
| Dongguan Dongfa Glass Product Co., Ltd                   | Dongguan, Guangdong, China      | 4132          | COMP+CAN        |               | 285 U                         | A                     |
| Downey Glass Industries, LLC                             | Pompano Beach, FL               | 5554          | COMPOSITE       |               | 285 U                         | A                     |
| Eckelt Glas GmbH                                         | Steyr, Austria                  | 2851          | COMPOSITE       |               | 100 U                         | A                     |
| EFCO Corporation                                         | Monett, MO                      | 4154          | COMPOSITE       |               | 175 U                         | A                     |
| Fairis C.A.                                              | Ambato, Tungurahua, Ecuador     | 4428          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Group Co., Ltd.                               | Jiaxing, Zhejiang, China        | 5523          | COMP+CAN        |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass                      | Foshan City, Guangdong Province | 6120          | COMP+CAN        |               | 125 U                         | A                     |
| Foshan YC Glass Co., Ltd.                                | Guangdong, China                | 6822          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan ZhongKang YiMeiJia Glass Co. Ltd.                 | Foshan, Guangdong, China        | 6949          | COMPOSITE       |               | 285 U                         | A                     |
| Fujian Chengda Glass Co., Ltd                            | Longhai, Zhangzhou              | 7186          | COMPOSITE       |               | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd            | Nan an Fujian China             | 5092          | COMPOSITE       |               | 285 U                         | A                     |
| Garibaldi Glass Ind. Inc.                                | Burnaby, BC                     | 5219          | COMP+CAN        |               | 750 U                         | A                     |
| GGI Glass Distributors Corp.                             | Secaucus, NJ                    | 4248          | COMPOSITE       |               | 100 U                         | A                     |
| Glassbel Baltic                                          | Klaipeda, Lithuania             | 6707          | COMPOSITE       |               | 800 U                         | A                     |
| GlassecViracon                                           | Nazaré Paulista, São Paulo      | 6994          | COMP+CAN        |               | 150 U                         | A                     |
| GnT Glass Co., Ltd.                                      | Dongguan, Guangdong, China      | 5788          | COMP+CAN        |               | 400 U                         | A                     |

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|-----------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/16 Inch Tempered Transparent Glass</i>         |                                           |               |                 |               |                               |                       |
| Griffin Glass & Metal Werks, Inc.                   | Elmhurst, IL                              | 7201          | COMP+CAN        |               | 500 U                         | A                     |
| Guangdong Golden Glass Technologies                 | Shantou, Guangdong, China                 | 3942          | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                 | DeWitt, IA                                | 2024          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Glass, LLC                                 | Geneva, NY                                | 3672          | COMP+CAN        |               | 400 U                         | A                     |
| Guardian Glass, LLC                                 | Richburg, SC                              | 2382          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                                 | Corsicana, TX                             | 1826          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian IG LLC                                     | Sun Prairie, WI                           | 6570          | COMP+CAN        |               | 150 U                         | A                     |
| Guardian Industries Corp.                           | Galax, VA                                 | 4608          | COMP+CAN        |               | 285 U                         | A                     |
| Gulf Glass Industries, LLC                          | Sharjah, United Arab Emirates             | 6326          | COMPOSITE       |               | 800 U                         | A                     |
| Industries Vanier Inc.                              | Anjou, QC                                 | 6956          | COMP+CAN        |               | 450 U                         | A                     |
| Inkan Ltd                                           | Brampton, ON                              | 5136          | COMP+CAN        |               | 800 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.                      | Xiamen, Fujian, China                     | 3025          | COMP+CAN        |               | 200 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.             | Guangdong, China                          | 4306          | COMP+CAN        |               | 125 U                         | A                     |
| Jiangyin Mingyang Glass Production                  | Jiangyin City, Jiangsu                    | 5780          | COMPOSITE       |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                                  | Foshan, Guangdong, China                  | 3961          | COMP+CAN        |               | 125 U                         | A                     |
| Kawneer - (Cranberry) an Arconic Company            | Cranberry Township, PA                    | 2678          | COMPOSITE       |               | 100 U                         | A                     |
| Kohler Company                                      | Union City, TN                            | 4668          | COMPOSITE       |               | 165 U                         | A                     |
| La Tecnica Nel Vetro SpA                            | Scafati, Salerno, Italy                   | 7167          | COMP+CAN        |               | 125 U                         | A                     |
| LTI Smart Glass, Inc.                               | Pittsfield, MA                            | 6924          | COMPOSITE       |               | 400 U                         | A                     |
| Mercer Glass Fab LLC                                | Trenton, NJ                               | 4530          | COMPOSITE       |               | 100 U                         | A                     |
| Multiver                                            | Vanier, QC                                | 5226          | COMPOSITE       |               | 400 U                         | A                     |
| Nashville Tempered Glass Corp.                      | Nashville, TN                             | 5729          | COMP+CAN        |               | 285 U                         | A                     |
| Northwestern Industries, Inc.                       | Seattle, WA                               | 6436          | COMPOSITE       |               | 195 U                         | A                     |
| Northwestern Industries, Inc.                       | Yuma, AZ                                  | 6568          | COMPOSITE       |               | 250 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Vancouver, WA                             | 3223          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Hauppauge, NY                             | 4180          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Calgary, AB                               | 3267          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Langley, BC                               | 3290          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Los Angeles, CA                           | 4400          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Schofield, WI                             | 3171          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Concord, ON                               | 3443          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Rock Hill, SC                             | 4787          | COMP+CAN        | (IN)          | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Perrysburg, OH                            | 4443          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Albertville, MN                           | 4882          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Wright City, MO                           | 3141          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Warrenton, MO                             | 3796          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Fremont, CA                               | 5387          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.             | Pointe-aux-Trembles, QC                   | 2884          | COMP+CAN        |               | 450 U                         | A                     |
| PFG Glass                                           | Langley, BC                               | 3542          | COMP+CAN        |               | 750 U                         | A                     |
| Pilkington Architectural                            | St. Helens, Merseyside, England           | 7133          | COMP+CAN        |               | 150 U                         | A                     |
| Prelco Inc.                                         | Riviere-du-loup, QC                       | 2751          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                         | Saint-Jacques, NB                         | 4915          | COMP+CAN        |               | 450 U                         | A                     |
| PRESS GLASS SA                                      | Tychy, Poland                             | 5854          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Radomsko, Poland                          | 5847          | COMP+CAN        |               | 800 U                         | A                     |
| Press Glass, Inc.                                   | Stoneville, NC                            | 5259          | COMPOSITE       |               | 285 U                         | A                     |
| Productos De Valor Agregado en Cristal S.A. de C.V. | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4788          | COMPOSITE       |               | 175 U                         | A                     |
| ProTemp Glass, Inc.                                 | Concord, ON                               | 7312          | COMP+CAN        |               | 450 U                         | A                     |
| Qingdao Laurel Glass Technology Co., Ltd            | Qingdao City, China                       | 6779          | COMP+CAN        |               | 125 U                         | A                     |

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|----------------------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/16 Inch Tempered Transparent Glass</i>              |                                 |               |                 |               |                               |                       |
| Qingdao Oriental Brother New Energy Technology Co., Ltd. | Qingdao City, Shandong          | 7223          | COMP+CAN        |               | 125 U                         | A                     |
| Reem Emirates Aluminum & Glass                           | Abu Dhabi, United Arab Emirates | 4676          | COMPOSITE       |               | 150 U                         | A                     |
| Rizhao Huaye Glass Co., Ltd.                             | Rizhao, Shandong                | 5569          | COMP+CAN        |               | 285 U                         | A                     |
| SAAND Toronto Inc.                                       | Toronto, ON                     | 4356          | COMP+CAN        |               | 450 U                         | A                     |
| Saint-Gobain Glassolutions Objekt-Center GmbH            | Radeburg, Germany               | 6914          | COMP+CAN        |               | 100 U                         | A                     |
| Saudi American Glass Company                             | Riyadh, Saudi Arabia            | 6193          | COMPOSITE       |               | 100 U                         | A                     |
| SCHOTT Gemtron (Canada) Corporation                      | Midland, ON Canada              | 6020          | COMP+CAN        |               | 100 U                         | A                     |
| Shandong Kingtom Glass Co., Ltd.                         | Qingdao, Shandong China         | 6462          | COMP+CAN        |               | 125 U                         | A                     |
| Shanghai SYP Engineering Glass                           | Shanghai, China                 | 4070          | COMP+CAN        |               | 125 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                         | Xingtai City, Hebei Province    | 6489          | COMPOSITE       |               | 125 U                         | A                     |
| Sichuan CSG Energy Conservation Glass Co., Ltd.          | Chengdu, Sichuan                | 7052          | COMPOSITE       |               | 125 U                         | A                     |
| SIGCO, Inc.                                              | Westbrook, ME                   | 5213          | COMPOSITE       |               | 100 U                         | A                     |
| South Bay Showers, Inc.                                  | Santa Clara, CA                 | 7253          | COMPOSITE       |               | 125 U                         | A                     |
| Standard Bent Glass                                      | East Butler, PA                 | 6302          | COMP+CAN        |               | 103 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                      | Dongguan, Guangdong, China      | 4873          | COMP+CAN        |               | 285 U                         | A                     |
| Taiwan Glass Industry Corp.                              | Taipei, Taiwan, China           | 3889          | COMP+CAN        |               | 750 U                         | A                     |
| Tecnoglass S.A.                                          | Barranquilla, Colombia          | 2134          | COMP+CAN        |               | 285 U                         | A                     |
| Tempco Glass                                             | Flushing, NY                    | 7285          | COMPOSITE       |               | 400 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                          | Tengzhou, China                 | 6420          | COMP+CAN        |               | 250 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd           | Tianjin, China                  | 4024          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin Northglass Industrial Technical Co., Ltd         | Tianjin, China                  | 5220          | COMPOSITE       |               | 175 U                         | A                     |
| Tianjin SYP Engineering Glass Co., Ltd.                  | Tianjin, China                  | 4077          | COMP+CAN        |               | 125 U                         | A                     |
| Tristar Glass, Inc.                                      | Catoosa, OK                     | 7072          | COMPOSITE       |               | 175 U                         | A                     |
| Tristar Glass, Inc.                                      | Houston, TX                     | 7080          | COMPOSITE       |               | 175 U                         | A                     |
| Tristar Glass, Inc.                                      | Grand Prairie, TX               | 7225          | COMPOSITE       |               | 175 U                         | A                     |
| Triview Glass Industries                                 | City of Industry, CA            | 5042          | COMP+CAN        |               | 250 U                         | A                     |
| Trulite Glass & Aluminum Solutions Canada, ULC           | Bois-des-Filion, QC             | 6063          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                     | New Berlin, WI                  | 5320          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                     | Cheswick, PA                    | 3495          | COMPOSITE       |               | 103 U                         | A                     |
| Trulite Glass and Aluminum Solutions                     | Vaughan, ON                     | 5510          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                     | Youngsville, NC                 | 5518          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                     | Fremont, CA                     | 5796          | COMPOSITE       |               | 750 U                         | A                     |
| U.S. Glass Distributors Inc.                             | Enfield, CT                     | 5924          | COMP+CAN        |               | 400 U                         | A                     |
| Uniglass                                                 | Riyadh, Saudi Arabia            | 7030          | COMPOSITE       |               | 100 U                         | A                     |
| Unitex Glass Chengdu Co., Ltd                            | Chendu, Sichuan, China          | 6519          | COMPOSITE       |               | 200 U                         | A                     |
| Val y Val SA de CV                                       | Pagliai, Veracruz, Mexico       | 6990          | COMPOSITE       |               | 175 U                         | A                     |
| View Inc.                                                | Olive Branch, MS                | 7107          | COMPOSITE       |               | 175 U                         | A                     |
| Viracon Inc.                                             | Owatonna, MN                    | 3689          | COMP+CAN        |               | 150 U                         | A                     |
| Viracon Inc.                                             | Statesboro, GA                  | 4720          | COMP+CAN        |               | 165 U                         | A                     |
| Vitra Vidrios Transformados SA de CV                     | Cortes, Honduras                | 4653          | COMPOSITE       |               | 285 U                         | A                     |
| Vitro Flat Glass, LLC                                    | Wichita Falls, TX               | 3577          | COMPOSITE       |               | 175 U                         | A                     |
| Vitrum Industries Ltd.                                   | Langley, BC                     | 7120          | COMP+CAN        |               | 950 U                         | A                     |
| White Aluminum Enterprises LLC                           | Abu Dhabi, United Arab Emirates | 4597          | COMPOSITE       |               | 150 U                         | A                     |
| Wolverine Glass Products, Inc.                           | Grand Rapids, MI                | 5429          | COMP+CAN        |               | 200 U                         | A                     |
| Wujiang CSG Huadong Architectural Glass Co., LTD         | Wujiang, Jiangsu, China         | 6786          | COMPOSITE       |               | 250 U                         | A                     |

***Certified Products-By Product Type***

|                                                       |                                    | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-------------------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/16 Inch Tempered Transparent Glass</i>           |                                    |               |                 |               |                               |                       |
| Wujiang Golden Glass Technologies, Ltd.               | Wujiang City, China                | 5252          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.      | Xianning, Hubei, China             | 6005          | COMP+CAN        |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                        | Tianjin, China                     | 5534          | COMP+CAN        |               | 195 U                         | A                     |
| Xinyi Glass (Yingkou) Co., Ltd.                       | Liaoning, China                    | 6849          | COMPOSITE       |               | 195 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                         | Dongguan, Guangdong, China         | 4648          | COMP+CAN        |               | 195 U                         | A                     |
| Yao Xiang Glass Product Co. Ltd.                      | Foshan, Guangdong, China           | 3739          | COMP+CAN        |               | 285 U                         | A                     |
| Yitian (Cattis) Glass Product Co., Ltd                | Foshan, Guangdong, China           | 6454          | COMP+CAN        |               | 125 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.              | Foshan, Guangdong, China           | 5892          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang City Daming Glass Product Co., Ltd       | Zhangjiagang City, Jiangsu         | 5464          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.          | Zhangjiagang, Jiangsu, China       | 7141          | COMP+CAN        |               | 250 U                         | A                     |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Hangzhou, Zhejiang, China          | 5079          | COMP+CAN        |               | 125 U                         | A                     |
| Zhongshan Fuan Glass Co., Ltd.                        | Zhongshan, Guangdong               | 6655          | COMPOSITE       |               | 125 U                         | A                     |
| Zhongshan Walle Glass Product Co., Ltd                | Zhongshan City, Guangdong Province | 6726          | COMP+CAN        |               | 250 U                         | A                     |
| <i>3/8 Inch Tempered Transparent Glass</i>            |                                    |               |                 |               |                               |                       |
| A.L. Smith Glass Co. Inc.                             | Ijamsville, MD                     | 6144          | COMPOSITE       |               | 800 U                         | A                     |
| Advanced Design Manufacturing                         | Antioch, CA                        | 6686          | COMPOSITE       |               | 125 U                         | A                     |
| Advantec Global Innovations                           | Langley, BC Canada                 | 4503          | COMPOSITE       |               | 750 U                         | A                     |
| AGC Flat Glass North America                          | Greenland, TN                      | 90            | COMP+CAN        |               | 285 U                         | A                     |
| AGNORA LTD                                            | Collingwood, ON                    | 4885          | COMP+CAN        |               | 450 U                         | A                     |
| AJJ Glass Products Co., Ltd                           | Xiamen, Fujian                     | 7176          | COMP+CAN        |               | 125 U                         | A                     |
| Al Abbar Architectural Glass                          | Dubai, United Arab Emirates        | 3558          | COMPOSITE       |               | 100 U                         | A                     |
| Aldora Aluminum and Glass Products Inc.               | Charleston, SC                     | 4335          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.              | Orlando, FL                        | 5579          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.              | Miramar, FL                        | 4718          | COMPOSITE       |               | 285 U                         | A                     |
| All Counties Glass                                    | Stockton, CA                       | 6414          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                         | Woodbridge, ON Canada              | 1757          | COMPOSITE       |               | 450 U                         | A                     |
| All Weather Tempering of Arizona, LLC.                | Phoenix, AZ                        | 7011          | COMPOSITE       |               | 125 U                         | A                     |
| Allglass Tempering Inc.                               | Schiller Park, IL                  | 5838          | COMPOSITE       |               | 600 U                         | A                     |
| Aluminum Manufacturers Co. Ltd - ALUMATEC             | Jeddah, Saudi Arabia               | 6891          | COMPOSITE       |               | 400 U                         | A                     |
| Aluminum Technology Auxiliary Industries              | Doha, Qatar                        | 5084          | COMPOSITE       |               | 125 U                         | A                     |
| American Insulated Glass Inc.                         | Conley, GA                         | 5286          | COMPOSITE       |               | 165 U                         | A                     |
| American Shower Door                                  | Los Angeles, CA                    | 3040          | COMPOSITE       |               | 250 U                         | A                     |
| Anthony International                                 | Madison, GA                        | 2453          | COMPOSITE       |               | 165 U                         | A                     |
| Arrow Mirror & Glass, Inc.                            | Houston, TX                        | 6548          | COMPOSITE       |               | 175 U                         | A                     |
| Ascent Glass Products (Zhong Shan) Limited            | Zhongshan City, Guangdong Province | 5869          | COMPOSITE       |               | 285 U                         | A                     |
| ATN Holding Inc.                                      | Mira Loma, CA                      | 6263          | COMPOSITE       |               | 250 U                         | A                     |
| Basco Engineered Products                             | Hamilton, OH                       | 3811          | COMPOSITE       |               | 200 U                         | A                     |
| Bazhou hua Biao Furniture Co., Ltd.                   | Bazhou, Hebei                      | 7196          | COMP+CAN        |               | 150 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                       | Beijing, China                     | 6907          | COMPOSITE       |               | 125 U                         | A                     |
| Bel Pre Glassworks Inc.                               | Rockville, MD                      | 6711          | COMPOSITE       |               | 800 U                         | A                     |
| Bel Shower Door Corporation                           | Englewood, CO                      | 6472          | COMP+CAN        |               | 250 U                         | A                     |
| Berkowitz, J.E.                                       | Pedricktown, NJ                    | 2646          | COMP+CAN        |               | 800 U                         | A                     |

***Certified Products-By Product Type***

|                                                  |                                 | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Transparent Glass</i>       |                                 |               |                 |               |                               |                       |
| Blue Star Glass Inc.                             | North Brunswick, NJ             | 4520          | COMPOSITE       |               | 100 U                         | A                     |
| Bronco Industries, Inc.                          | Delta, BC                       | 5367          | COMP+CAN        |               | 195 U                         | A                     |
| BVGLAZING SYSTEMS                                | Concord, ON                     | 6138          | COMP+CAN        |               | 450 U                         | A                     |
| C&C Custom Glass & Tempering, LLC                | Tulsa, OK                       | 6858          | COMPOSITE       |               | 175 U                         | A                     |
| Cameron Glass, Inc.                              | Broken Arrow, OK                | 2032          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal CG                                      | Northfield, MN                  | 4137          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CT                                      | Adel, GA                        | 6172          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal LG                                      | Amery, WI                       | 4843          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal Tempering                               | Louisville, KY                  | 3874          | COMPOSITE       |               | 175 U                         | A                     |
| Carey Glass UC                                   | Nenagh, Co. Tipperary           | 6000          | COMP+CAN        |               | 100 U                         | A                     |
| Changshu Xingfu Glass Building Material Co., LTD | Changshu, Jiangsu, China        | 5152          | COMP+CAN        |               | 165 U                         | A                     |
| Changshu ZhongXin Building Materials Co., Ltd.   | Changshu, Jiangsu, China        | 6501          | COMP+CAN        |               | 750 U                         | A                     |
| Chicago Tempered Glass, Inc.                     | Chicago, IL                     | 3089          | COMPOSITE       |               | 200 U                         | A                     |
| Chongqing SYP Engineering Glass Co., Ltd.        | Chongqing, China                | 6812          | COMPOSITE       |               | 125 U                         | A                     |
| Classy Glass Specialties Co., Ltd                | Dongguan, Guangdong             | 5161          | COMPOSITE       |               | 200 U                         | A                     |
| Clinton Glass Company                            | Knoxville, TN                   | 5607          | COMPOSITE       |               | 165 U                         | A                     |
| Columbia Commercial Bldg Prod.                   | Rockwall, TX                    | 5615          | COMP+CAN        |               | 175 U                         | A                     |
| Consolidated Glass Corp.                         | New Castle, PA                  | 2003          | COMP+CAN        |               | 285 U                         | A                     |
| Contour Industries, Inc.                         | Surgoinsville, TN               | 4702          | COMP+CAN        |               | 285 U                         | A                     |
| Contract Glass                                   | Billerica, MA                   | 4974          | COMPOSITE       |               | 100 U                         | A                     |
| Contractors Wardrobe                             | Valencia, CA                    | 3469          | COMP+CAN        |               | 250 U                         | A                     |
| Coral Industries Glass Division                  | Tuscaloosa, AL                  | 2144          | COMPOSITE       |               | 165 U                         | A                     |
| Cristacurva                                      | Houston, TX                     | 6729          | COMPOSITE       |               | 175 U                         | A                     |
| Cristec Glass S.L.                               | Balaguer, Lleida                | 5697          | COMPOSITE       |               | 100 U                         | A                     |
| Crystal Tempering, Inc.                          | Debary, FL                      | 6211          | COMPOSITE       |               | 850 U                         | A                     |
| CS ECO Glass                                     | Negeri Sembilan, Malaysia       | 6870          | COMPOSITE       |               | 195 U                         | A                     |
| Custom Glass Solutions Millbury Corp.            | Millbury, OH                    | 6355          | COMPOSITE       | (IN)          | 200 U                         | A                     |
| D3 Glass, LLC                                    | Fort Myers, FL                  | 4792          | COMPOSITE       |               | 285 U                         | A                     |
| Dallas Flat Glass                                | Carrollton, TX                  | 4566          | COMPOSITE       |               | 175 U                         | A                     |
| DDG Glass Manufacturing SDN BHD                  | Johor, Malaysia                 | 5625          | COMP+CAN        |               | 125 U                         | A                     |
| Denver Glass Interiors, Inc.                     | Englewood, CO                   | 3867          | COMPOSITE       |               | 175 U                         | A                     |
| Deqing Sanxing Plastic Chemical Co. Ltd.         | Huzhou, Zhejiang, China         | 4147          | COMPOSITE       |               | 750 U                         | A                     |
| Deyao Glass Products (Zhongshan) Co., LTD        | Zhongshan City, Guang dong      | 6967          | COMPOSITE       |               | 285 U                         | A                     |
| Dillmeier Enterprise, Inc.                       | Van Buren, AR                   | 3914          | COMPOSITE       |               | 175 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.       | Dongguan, Guangdong, China      | 3936          | COMP+CAN        |               | 125 U                         | A                     |
| Dongguan Dongfa Glass Product Co., Ltd           | Dongguan, Guangdong, China      | 4125          | COMP+CAN        |               | 285 U                         | A                     |
| Downey Glass Industries, LLC                     | Pompano Beach, FL               | 2663          | COMPOSITE       |               | 285 U                         | A                     |
| Eagle Valley Glass                               | Gypsum, CO                      | 6674          | COMPOSITE       |               | 175 U                         | A                     |
| Echols Glass and Mirror, Inc.                    | Buford, GA                      | 6316          | COMPOSITE       |               | 165 U                         | A                     |
| Eckelt Glas GmbH                                 | Steyr, Austria                  | 2852          | COMPOSITE       |               | 100 U                         | A                     |
| Edge Tempering                                   | Hialeah, FL                     | 6298          | COMPOSITE       |               | 285 U                         | A                     |
| EFI                                              | Kernersville, NC                | 5210          | COMP+CAN        |               | 165 U                         | A                     |
| Fairis C.A.                                      | Ambato, Tungurahua, Ecuador     | 4429          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Distributors                          | Jacksonville, FL                | 3825          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Group Co., Ltd.                       | Jiaxing, Zhejiang, China        | 5524          | COMP+CAN        |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass              | Foshan City, Guangdong Province | 6121          | COMP+CAN        |               | 125 U                         | A                     |
| Foshan Super Glass Ind. Co; Ltd.                 | Foshan, Guangdong, China        | 7021          | COMPOSITE       |               | 125 U                         | A                     |

***Certified Products-By Product Type***

|                                               |                               | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------|-------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Transparent Glass</i>    |                               |               |                 |               |                               |                       |
| Foshan YC Glass Co., Ltd.                     | Guangdong, China              | 6824          | COMPOSITE       | 125 U         | A                             |                       |
| Foshan ZhongKang YiMeiJia Glass Co. Ltd.      | Foshan, Guangdong, China      | 6950          | COMPOSITE       | 285 U         | A                             |                       |
| Fountain Glass Inc.                           | Lenexa, KS                    | 7106          | COMPOSITE       | 150 U         | A                             |                       |
| Fujian Chengda Glass Co., Ltd                 | Longhai, Zhangzhou            | 7187          | COMPOSITE       | 125 U         | A                             |                       |
| Fujian Xihe Sanitary Ware Technology Co., Ltd | Nan an Fujian China           | 6882          | COMPOSITE       | 285 U         | A                             |                       |
| Garibaldi Glass Ind. Inc.                     | Burnaby, BC                   | 4420          | COMP+CAN        | 750 U         | A                             |                       |
| GGI Glass Distributors Corp.                  | Secaucus, NJ                  | 2282          | COMPOSITE       | 100 U         | A                             |                       |
| Glass and Mirror Craft                        | Wixom, MI                     | 5598          | COMP+CAN        | 150 U         | A                             |                       |
| Glass Depot Inc.                              | Opa Locka, FL                 | 6633          | COMPOSITE       | 285 U         | A                             |                       |
| Glass Design of Miami, Inc.                   | Medley, FL                    | 7144          | COMPOSITE       | 285 U         | A                             |                       |
| Glass Enterprises, Inc.                       | Bensalem, PA                  | 6597          | COMPOSITE       | 800 U         | A                             |                       |
| Glass Global Distributors LLC                 | North Miami, FL               | 6798          | COMPOSITE       | 285 U         | A                             |                       |
| Glassbel Baltic                               | Klaipeda, Lithuania           | 6708          | COMPOSITE       | 800 U         | A                             |                       |
| GlasseCViracon                                | Nazaré Paulista, São Paulo    | 6995          | COMP+CAN        | 150 U         | A                             |                       |
| GlassFab Tempering Services Inc. Holly Drive  | Tracy, CA                     | 5988          | COMPOSITE       | 125 U         | A                             |                       |
| GlassFab Tempering Services, Inc. Mariani Ct. | Tracy, CA                     | 7023          | COMPOSITE       | 125 U         | A                             |                       |
| Glasswerks GWLA- East                         | South Gate, CA                | 5883          | COMPOSITE       | 250 U         | A                             |                       |
| Glasswerks GWT                                | Temecula, CA                  | 6097          | COMP+CAN        | 250 U         | A                             |                       |
| Glaz-Tech Industries, Inc.                    | Albuquerque, NM               | 6591          | COMPOSITE       | 175 U         | A                             |                       |
| Glaz-Tech Industries, Inc.                    | Englewood, CO                 | 5143          | COMPOSITE       | 175 U         | A                             |                       |
| Glaz-Tech Industries, Inc.                    | Santa Teresa, NM              | 6602          | COMPOSITE       | 175 U         | A                             |                       |
| Glaz-Tech Industries, Inc.                    | Boise, ID                     | 6610          | COMPOSITE       | 175 U         | A                             |                       |
| Glaz-Tech Industries, Inc.                    | Tucson, AZ                    | 6577          | COMPOSITE       | 175 U         | A                             |                       |
| Glaz-Tech Industries, Inc.                    | Phoenix, AZ                   | 6585          | COMPOSITE       | 175 U         | A                             |                       |
| Glenny Glass Co.                              | Milford, OH                   | 3845          | COMPOSITE       | 200 U         | A                             |                       |
| Global Security Glazing                       | Selma, AL                     | 4767          | COMP+CAN        | 285 U         | A                             |                       |
| Global Tempering, LLC                         | Hialeah, FL                   | 7331          | COMP+CAN        | 285 U         | A                             |                       |
| GnT Glass Co., Ltd.                           | Dongguan, Guangdong, China    | 5789          | COMP+CAN        | 400 U         | A                             |                       |
| Goldray Industries Ltd.                       | Calgary, AB Canada            | 2448          | COMP+CAN        | 195 U         | A                             |                       |
| Griffin Glass & Metal Werks, Inc.             | Elmhurst, IL                  | 7202          | COMP+CAN        | 500 U         | A                             |                       |
| Grupo Vidrios el Castillo                     | Escobedo, Nuevo Leon, Mexico  | 5781          | COMP+CAN        | 175 U         | A                             |                       |
| Guangdong Golden Glass Technologies           | Shantou, Guangdong, China     | 3943          | COMP+CAN        | 125 U         | A                             |                       |
| Guardian Glass, LLC                           | Geneva, NY                    | 2519          | COMP+CAN        | 400 U         | A                             |                       |
| Guardian Glass, LLC                           | DeWitt, IA                    | 2545          | COMP+CAN        | 500 U         | A                             |                       |
| Guardian Glass, LLC                           | Richburg, SC                  | 1634          | COMPOSITE       | 285 U         | A                             |                       |
| Guardian Glass, LLC                           | Corsicana, TX                 | 1253          | COMP+CAN        | 175 U         | A                             |                       |
| Guardian Industries Corp.                     | Galax, VA                     | 4609          | COMP+CAN        | 285 U         | A                             |                       |
| Gulf Glass Industries, LLC                    | Sharjah, United Arab Emirates | 4797          | COMPOSITE       | 800 U         | A                             |                       |
| Industrial Tempering Glass                    | Brooklyn, NY                  | 3418          | COMPOSITE       | 100 U         | A                             |                       |
| Industries Vanier Inc.                        | Anjou, QC                     | 6957          | COMP+CAN        | 450 U         | A                             |                       |
| Inkan Ltd                                     | Brampton, ON                  | 5137          | COMP+CAN        | 800 U         | A                             |                       |
| Innovative Glass of America, Inc.             | Dallas, NC                    | 3863          | COMPOSITE       | 165 U         | A                             |                       |
| Insulite Glass Co., Inc.                      | Olathe, KS                    | 3716          | COMPOSITE       | 150 U         | A                             |                       |
| Integrity Glass Tempering, LLC.               | Venice, FL                    | 6636          | COMPOSITE       | 285 U         | A                             |                       |
| Inter Fonction Ltee                           | Sherbrooke, Quebec            | 7235          | COMP+CAN        | 450 U         | A                             |                       |
| Interglass Corp                               | Miami, FL                     | 5034          | COMPOSITE       | 285 U         | A                             |                       |
| Intex Glass (Xiamen) Co., Ltd.                | Xiamen, Fujian, China         | 2576          | COMP+CAN        | 200 U         | A                             |                       |
| Jiangmen SYP Engineering Glass Co, Ltd.       | Guangdong, China              | 4307          | COMP+CAN        | 125 U         | A                             |                       |

***Certified Products-By Product Type***

|                                            |                          | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------|--------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Transparent Glass</i> |                          |               |                 |               |                               |                       |
| Jiangyin Mingyang Glass Production         | Jiangyin City, Jiangsu   | 6203          | COMPOSITE       |               | 125 U                         | A                     |
| JM Glass                                   | Hayward, CA              | 4930          | COMPOSITE       |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                         | Foshan, Guangdong, China | 3962          | COMP+CAN        |               | 125 U                         | A                     |
| Kensington Glass Arts                      | Ijamsville, MD           | 5974          | COMPOSITE       |               | 100 U                         | A                     |
| Kohler Company                             | Union City, TN           | 2434          | COMPOSITE       |               | 165 U                         | A                     |
| La Tecnica Nel Vetro SpA                   | Scafati, Salerno, Italy  | 7166          | COMP+CAN        |               | 125 U                         | A                     |
| Les Verres VMIK Inc.                       | Gatineau, QC             | 6896          | COMP+CAN        |               | 450 U                         | A                     |
| Louisville Plate Glass                     | Louisville, KY           | 6074          | COMPOSITE       |               | 200 U                         | A                     |
| LTI Smart Glass, Inc.                      | Pittsfield, MA           | 6925          | COMPOSITE       |               | 400 U                         | A                     |
| M Industria S.A. DE C.V.                   | Merida, Yucatan Mexico   | 5411          | COMP+CAN        |               | 285 U                         | A                     |
| M&M Tempering Inc.                         | Loganville, GA           | 4281          | COMPOSITE       |               | 165 U                         | A                     |
| M3 Glass Technologies                      | Irving, TX               | 5946          | COMPOSITE       |               | 175 U                         | A                     |
| Manko Window Systems                       | Aurora, CO               | 6279          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Window Systems- KS                   | Manhattan, KS            | 6829          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                              | Des Moines, IA           | 6290          | COMPOSITE       |               | 500 U                         | A                     |
| Maryland Glass & Mirror                    | Baltimore, MD            | 4321          | COMPOSITE       |               | 100 U                         | A                     |
| McGrory Glass                              | Paulsboro, NJ            | 4814          | COMPOSITE       |               | 100 U                         | A                     |
| Mercer Glass Fab LLC                       | Trenton, NJ              | 4255          | COMPOSITE       |               | 100 U                         | A                     |
| Mid-American Glass                         | Davenport, IA            | 7231          | COMPOSITE       |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.             | Highland, MI             | 6031          | COMP+CAN        |               | 200 U                         | A                     |
| Mr. Glass Tempering, LLC                   | Brooklyn, NY             | 7172          | COMP+CAN        |               | 100 U                         | A                     |
| Multiver                                   | Vanier, QC               | 5227          | COMPOSITE       |               | 400 U                         | A                     |
| Nashville Tempered Glass Corp.             | Nashville, TN            | 2494          | COMP+CAN        |               | 285 U                         | A                     |
| Nashville Tempered Glass LLC               | Hendersonville, TN       | 2694          | COMP+CAN        |               | 285 U                         | A                     |
| New Angle Beveling                         | Hyde, PA                 | 4591          | COMPOSITE       |               | 103 U                         | A                     |
| New Angle Beveling                         | Clearfield, PA           | 5775          | COMPOSITE       |               | 103 U                         | A                     |
| New Century Glass & Aluminum LLC           | Woodside, NY             | 5457          | COMPOSITE       |               | 400 U                         | A                     |
| Northwestern Glass Fab                     | Fridley, MN              | 6736          | COMPOSITE       |               | 150 U                         | A                     |
| Northwestern Industries, Inc.              | Yuma, AZ                 | 6569          | COMPOSITE       |               | 250 U                         | A                     |
| Novatech Canada Inc.                       | Montreal, Quebec, Canada | 6221          | COMP+CAN        |               | 450 U                         | A                     |
| NY Tempering LLC                           | Maspeth, NY              | 4902          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Miami, FL                | 3499          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Moorestown, NJ           | 3184          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Schofield, WI            | 3172          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Covington, GA            | 3333          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Tampa, FL                | 3120          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Rock Hill, SC            | 3279          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Denver, CO               | 3314          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Indianapolis, IN         | 2213          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Houston, TX              | 3160          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Perrysburg, OH           | 3237          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Los Angeles, CA          | 515           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Langley, BC              | 3291          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Shawnee, OK              | 3099          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Albertville, MN          | 3108          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Concord, ON              | 3444          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Phoenix, AZ              | 3132          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Grand Prairie, TX        | 3255          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Calgary, AB              | 3268          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Vancouver, WA            | 3224          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Hauppauge, NY            | 1549          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Warrenton, MO            | 3148          | COMP+CAN        |               | 500 U                         | A                     |



**Certified Products-By Product Type**

|                                                          |                                           | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Transparent Glass</i>               |                                           |               |                 |               |                               |                       |
| Oldcastle BuildingEnvelope®                              | Fremont, CA                               | 3195          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                              | Wright City, MO                           | 3142          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.                  | Pointe-aux-Trembles, QC                   | 2544          | COMP+CAN        |               | 450 U                         | A                     |
| Paragon Tempered Glass                                   | Antwerp, OH                               | 2688          | COMPOSITE       |               | 500 U                         | A                     |
| Patriot Armored Systems, LLC                             | Lee, MA                                   | 6691          | COMPOSITE       |               | 100 U                         | A                     |
| PFG Glass                                                | Langley, BC                               | 3543          | COMP+CAN        |               | 750 U                         | A                     |
| Pilkington Architectural                                 | St. Helens, Merseyside, England           | 7134          | COMP+CAN        |               | 150 U                         | A                     |
| Portland Glass Manufacturing                             | Clackamas, OR                             | 6373          | COMPOSITE       |               | 195 U                         | A                     |
| Precision Glass Industries                               | Houston, TX                               | 6888          | COMPOSITE       |               | 175 U                         | A                     |
| Prelco Inc.                                              | Saint-Jacques, NB                         | 4916          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                              | Riviere-du-loup, QC                       | 2381          | COMP+CAN        |               | 450 U                         | A                     |
| Premier Glass Products                                   | Atlanta, GA                               | 6793          | COMP+CAN        |               | 165 U                         | A                     |
| PRESS GLASS SA                                           | Tychy, Poland                             | 5855          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                           | Radomsko, Poland                          | 5848          | COMP+CAN        |               | 800 U                         | A                     |
| Press Glass, Inc.                                        | Stoneville, NC                            | 2729          | COMPOSITE       |               | 285 U                         | A                     |
| Procesadora de Jalisco, S.A. DE C.V.                     | Zapopan, Mexico                           | 6719          | COMPOSITE       |               | 175 U                         | A                     |
| Productora y Distribuidora de Espejos S.A. de C.V.       | Pesqueria, Nuevo Leon                     | 6518          | COMPOSITE       |               | 175 U                         | A                     |
| Productos De Valor Agregado en Cristal S.A. de C.V.      | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4640          | COMPOSITE       |               | 175 U                         | A                     |
| Produits Verrier International Inc.                      | Montreal, Quebec                          | 5502          | COMP+CAN        |               | 450 U                         | A                     |
| ProTemp Glass, Inc.                                      | Concord, ON                               | 7313          | COMP+CAN        |               | 450 U                         | A                     |
| Qingdao Apis Glass Industries Co. Ltd.                   | Shandong, China                           | 6884          | COMPOSITE       |               | 125 U                         | A                     |
| Qingdao Jinjing Co., Ltd.                                | Qingdao City, Shandong China              | 6199          | COMP+CAN        |               | 125 U                         | A                     |
| Qingdao Laurel Glass Technology Co., Ltd                 | Qingdao City, China                       | 7126          | COMPOSITE       |               | 125 U                         | A                     |
| Qingdao Oriental Brother New Energy Technology Co., Ltd. | Qingdao City, Shandong                    | 7224          | COMP+CAN        |               | 125 U                         | A                     |
| Quality Enclosures                                       | Central Islip, NY                         | 6442          | COMP+CAN        |               | 100 U                         | A                     |
| Quality Enclosures Tempering, Inc.                       | Port Orange, FL                           | 6245          | COMPOSITE       |               | 165 U                         | A                     |
| Quality Glass & Mirror, Inc.                             | Mount Prospect, IL                        | 2983          | COMPOSITE       |               | 500 U                         | A                     |
| Ready Glass & Mirror, Inc.                               | Hialeah, FL                               | 3747          | COMPOSITE       |               | 285 U                         | A                     |
| Reem Emirates Aluminum & Glass                           | Abu Dhabi, United Arab Emirates           | 4677          | COMPOSITE       |               | 150 U                         | A                     |
| Right Away Glass, Inc.                                   | Naples, FL                                | 6514          | COMPOSITE       |               | 285 U                         | A                     |
| Rizhao Huaye Glass Co., Ltd.                             | Rizhao, Shandong                          | 5570          | COMP+CAN        |               | 285 U                         | A                     |
| Robover Inc.                                             | Quebec City, QC                           | 5763          | COMP+CAN        |               | 450 U                         | A                     |
| S.F. Tempering                                           | Dania Beach, FL                           | 5020          | COMPOSITE       |               | 285 U                         | A                     |
| SAAND London                                             | London, ON                                | 3981          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Ottawa                                             | Stittsville, ON                           | 4953          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Rexdale                                            | Rexdale, ON                               | 4999          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto Inc.                                       | Toronto, ON                               | 4357          | COMP+CAN        |               | 450 U                         | A                     |
| Saint-Gobain Glassolutions Objekt-Center GmbH            | Radeburg, Germany                         | 6915          | COMP+CAN        |               | 100 U                         | A                     |
| Sapphire Glass Systems Inc.                              | Sterling, VA                              | 7264          | COMP+CAN        |               | 100 U                         | A                     |
| Saudi American Glass Company                             | Riyadh, Saudi Arabia                      | 6747          | COMPOSITE       |               | 100 U                         | A                     |
| SCHOTT Gemtron (Canada) Corporation                      | Midland, ON Canada                        | 6021          | COMP+CAN        |               | 100 U                         | A                     |
| SG Glass Industries L.L.C.                               | Miami Gardens, FL                         | 6361          | COMP+CAN        |               | 285 U                         | A                     |
| Shandong Kingtom Glass Co., Ltd.                         | Qingdao, Shandong China                   | 6463          | COMP+CAN        |               | 125 U                         | A                     |
| Shanghai SYP Engineering Glass                           | Shanghai, China                           | 4071          | COMP+CAN        |               | 125 U                         | A                     |
| Shanghai Zhenzhen Glassware Co., LTD.                    | Shanghai, China                           | 6126          | COMP+CAN        |               | 195 U                         | A                     |
| Shape Products LLC.                                      | Sarasota, FL                              | 6505          | COMPOSITE       |               | 285 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                         | Xingtai City, Hebei Province              | 6490          | COMPOSITE       |               | 125 U                         | A                     |

**Certified Products-By Product Type**

|                                                                |                                | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|--------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Transparent Glass</i>                     |                                |               |                 |               |                               |                       |
| Shower Doors & More Inc.                                       | Fort Lauderdale, FL            | 5758          | COMPOSITE       |               | 285 U                         | A                     |
| Sichuan CSG Energy Conservation Glass Co., Ltd.                | Chengdu, Sichuan               | 7053          | COMPOSITE       |               | 125 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME                  | 2965          | COMPOSITE       |               | 100 U                         | A                     |
| Sky Land Tempering Glass Corp                                  | Long Island City, NY           | 5469          | COMPOSITE       |               | 100 U                         | A                     |
| Solar Seal Massachusetts                                       | South Easton, MA               | 1036          | COMPOSITE       |               | 800 U                         | A                     |
| Solar Seal Virginia                                            | Stafford, VA                   | 5725          | COMPOSITE       |               | 100 U                         | A                     |
| South Bay Showers, Inc.                                        | Santa Clara, CA                | 6927          | COMPOSITE       |               | 125 U                         | A                     |
| Standard Bent Glass                                            | East Butler, PA                | 6303          | COMP+CAN        |               | 103 U                         | A                     |
| Stargrup Cam A.S.                                              | Arnavutkoy, Istanbul           | 6205          | COMPOSITE       |               | 285 U                         | A                     |
| Sterling Mirror Company, LLC                                   | Stevensville, MD               | 6184          | COMP+CAN        | (IN)          | 800 U                         | A                     |
| Sunfire Glass, Inc.                                            | Medley, FL                     | 7037          | COMPOSITE       |               | 285 U                         | A                     |
| Swift Glass Co., Inc.                                          | Elmira Heights, NY             | 1558          | COMPOSITE       |               | 400 U                         | A                     |
| Syracuse Glass Co., Inc.                                       | Syracuse, NY                   | 2958          | COMP+CAN        |               | 400 U                         | A                     |
| Tacoma Glass Mfg. Inc.                                         | Burlington, WA                 | 5166          | COMPOSITE       |               | 195 U                         | A                     |
| Tacoma Glass Mfg. Inc.                                         | Lakewood, WA                   | 4731          | COMPOSITE       |               | 750 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China     | 5486          | COMP+CAN        |               | 285 U                         | A                     |
| Taiwan Glass Industry Corp.                                    | Taipei, Taiwan, China          | 3890          | COMP+CAN        |               | 750 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN              | 3062          | COMP+CAN        |               | 285 U                         | A                     |
| Tecnoglass S.A.                                                | Barranquilla, Colombia         | 1995          | COMP+CAN        |               | 285 U                         | A                     |
| TEMCOR S. DE RL DE CV                                          | Santa Catarina N.L, Mexico     | 6982          | COMPOSITE       |               | 175 U                         | A                     |
| Temp Glass Inc.                                                | El Paso, TX                    | 6700          | COMPOSITE       |               | 175 U                         | A                     |
| Tempco Glass                                                   | Flushing, NY                   | 5012          | COMPOSITE       |               | 400 U                         | A                     |
| Templado USA Glass & Aluminum Products                         | Barranquilla, Colombia         | 6335          | COMPOSITE       |               | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China                | 6421          | COMP+CAN        |               | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                    | 6863          | COMPOSITE       |               | 175 U                         | A                     |
| The Original Frameless Shower Door                             | Coral Springs, FL              | 4662          | COMPOSITE       |               | 285 U                         | A                     |
| Thermal Seal Insulating Glass                                  | Uxbridge, MA                   | 5735          | COMPOSITE       |               | 285 U                         | A                     |
| Thermalsun Glass Products                                      | Santa Rosa, CA                 | 6269          | COMPOSITE       |               | 125 U                         | A                     |
| Thermover 2017                                                 | Saint-Leonard (Quebec), Canada | 6980          | COMP+CAN        |               | 400 U                         | A                     |
| Thompson I.G. LLC.                                             | Fenton, MI                     | 5298          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd                 | Tianjin, China                 | 4025          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin SYP Engineering Glass Co., Ltd.                        | Tianjin, China                 | 4078          | COMP+CAN        |               | 125 U                         | A                     |
| Tristar Glass, Inc.                                            | Houston, TX                    | 7081          | COMPOSITE       |               | 175 U                         | A                     |
| Tristar Glass, Inc.                                            | Catoosa, OK                    | 4008          | COMPOSITE       |               | 175 U                         | A                     |
| Triton Glass LLC                                               | Albemarle, NC                  | 5693          | COMPOSITE       |               | 165 U                         | A                     |
| Triview Glass Industries                                       | City of Industry, CA           | 5043          | COMP+CAN        |               | 250 U                         | A                     |
| Troy Systems LLC                                               | Manassas, VA                   | 4062          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass & Aluminum Solutions Canada, ULC                 | Bois-des-Filion, QC            | 6064          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Vaughan, ON                    | 5511          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                    | 5186          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | San Antonio, TX                | 3327          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL                  | 4226          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV                  | 4214          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                    | 3927          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN                  | 4158          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Lithia Springs, GA             | 6104          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX                 | 5400          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Grenada, MS                    | 2840          | COMPOSITE       |               | 165 U                         | A                     |

**Certified Products-By Product Type**

|                                                     |                               | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------|-------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Transparent Glass</i>          |                               |               |                 |               |                               |                       |
| Trulite Glass and Aluminum Solutions                | Indianapolis, IN              | 4754          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Salt Lake City, UT            | 5339          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fremont, CA                   | 5797          | COMPOSITE       |               | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | New Berlin, WI                | 5321          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Columbus, OH                  | 6159          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Cheswick, PA                  | 1787          | COMPOSITE       |               | 103 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Aurora, CO                    | 5344          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Phoenix, AZ                   | 5703          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Tulsa, OK                     | 5446          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Youngsville, NC               | 5275          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | City of Industry, CA          | 4186          | COMPOSITE       |               | 250 U                         | A                     |
| Tweddells Inc.                                      | Santa Ana, CA                 | 5386          | COMP+CAN        |               | 250 U                         | A                     |
| U.S. Glass Distributors Inc.                        | Enfield, CT                   | 5925          | COMP+CAN        |               | 400 U                         | A                     |
| Uniglass                                            | Riyadh, Saudi Arabia          | 7031          | COMPOSITE       |               | 100 U                         | A                     |
| United Plate Glass Co., Inc.                        | Butler, PA                    | 2470          | COMP+CAN        |               | 800 U                         | A                     |
| United Plate Glass Company of Charlotte             | Lincolnton, NC                | 3951          | COMP+CAN        |               | 165 U                         | A                     |
| Unitex Glass Chengdu Co., Ltd                       | Chendu, Sichuan, China        | 5414          | COMPOSITE       |               | 200 U                         | A                     |
| Upstate Glass Tempering Inc.                        | Middletown, NY                | 4927          | COMPOSITE       |               | 400 U                         | A                     |
| US Glass Tempering Inc.                             | San Leandro, CA               | 7160          | COMPOSITE       |               | 125 U                         | A                     |
| Vidrio Bisel S.A. de C.V. (Santa Catarina)          | Monterrey, Nuevo Leon, Mexico | 4967          | COMP+CAN        |               | 175 U                         | A                     |
| Vidrio Bisel S.A. de C.V. (Santos Chocano)          | Monterrey, Nuevo Leon, Mexico | 6703          | COMP+CAN        |               | 175 U                         | A                     |
| View Inc.                                           | Olive Branch, MS              | 7108          | COMPOSITE       |               | 175 U                         | A                     |
| Viracon Inc.                                        | Owatonna, MN                  | 1508          | COMP+CAN        |               | 150 U                         | A                     |
| Viracon Inc.                                        | Statesboro, GA                | 2311          | COMP+CAN        |               | 165 U                         | A                     |
| Virginia Glass Products Corp.                       | Martinsville, VA              | 93            | COMPOSITE       |               | 100 U                         | A                     |
| Vistamatic, LLC                                     | Coral Springs, FL             | 6538          | COMPOSITE       |               | 285 U                         | A                     |
| Vitemex                                             | Reynosa, Tamaulipas Mexico    | 5394          | COMPOSITE       |               | 175 U                         | A                     |
| Vitra Vidrios Transformados SA de CV                | Cortes, Honduras              | 4654          | COMPOSITE       |               | 285 U                         | A                     |
| Vitro Flat Glass, LLC                               | Wichita Falls, TX             | 3578          | COMPOSITE       |               | 175 U                         | A                     |
| Vitrum Industries Ltd.                              | Langley, BC                   | 7121          | COMP+CAN        |               | 950 U                         | A                     |
| W. A. Wilson Inc.                                   | Wheeling, WV                  | 4172          | COMPOSITE       |               | 200 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA                  | 7075          | COMP+CAN        |               | 250 U                         | A                     |
| WGM Fabricators, LLC                                | Whitinsville, MA              | 6368          | COMP+CAN        |               | 100 U                         | A                     |
| Whalley Glass Co                                    | Derby, CT                     | 6229          | COMPOSITE       |               | 100 U                         | A                     |
| Wholesale Glass Dist.                               | Memphis, TN                   | 4381          | COMPOSITE       |               | 150 U                         | A                     |
| Wisconsin Shower Door & Supply                      | Menomonee Falls, WI           | 5589          | COMPOSITE       |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.                      | Grand Rapids, MI              | 5430          | COMP+CAN        |               | 200 U                         | A                     |
| WSD Glass, Inc.                                     | Winston-Salem, NC             | 4052          | COMPOSITE       |               | 165 U                         | A                     |
| Wujiang CSG Huadong Architectural Glass Co., LTD    | Wujiang, Jiangsu, China       | 6787          | COMPOSITE       |               | 250 U                         | A                     |
| Wujiang Golden Glass Technologies, Ltd.             | Wujiang City, China           | 5253          | COMPOSITE       |               | 125 U                         | A                     |
| Xiamen Togen Building Products Co., Ltd.            | Fujian, China                 | 6649          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.    | Xianning, Hubei, China        | 5980          | COMP+CAN        |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                      | Tianjin, China                | 5535          | COMP+CAN        |               | 195 U                         | A                     |
| Xinyi Glass (Yingkou) Co., Ltd.                     | Liaoning, China               | 6850          | COMPOSITE       |               | 195 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                       | Dongguan, Guangdong, China    | 3054          | COMP+CAN        |               | 195 U                         | A                     |
| Yao Xiang Glass Product Co. Ltd.                    | Foshan, Guangdong, China      | 3740          | COMP+CAN        |               | 285 U                         | A                     |
| Yitian (Cattis) Glass Product Co., Ltd              | Foshan, Guangdong, China      | 6455          | COMP+CAN        |               | 125 U                         | A                     |

***Certified Products-By Product Type***

|                                                       |                                    | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-------------------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Transparent Glass</i>            |                                    |               |                 |               |                               |                       |
| Yong Feng Tai Foshan City Glas Co., LTD.              | Foshan, Guangdong, China           | 5893          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang City Daming Glass Product Co., Ltd       | Zhangjiagang City, Jiangsu         | 5465          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.          | Zhangjiagang, Jiangsu, China       | 7142          | COMP+CAN        |               | 250 U                         | A                     |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Hangzhou, Zhejiang, China          | 5080          | COMP+CAN        |               | 125 U                         | A                     |
| Zhongshan Fuan Glass Co., Ltd.                        | Zhongshan, Guangdong               | 6656          | COMPOSITE       |               | 125 U                         | A                     |
| Zhongshan Walle Glass Product Co., Ltd                | Zhongshan City, Guangdong Province | 6727          | COMP+CAN        |               | 250 U                         | A                     |
| <i>1/2 Inch Tempered Transparent Glass</i>            |                                    |               |                 |               |                               |                       |
| A.L. Smith Glass Co. Inc.                             | Ijamsville, MD                     | 6145          | COMPOSITE       |               | 800 U                         | A                     |
| Advantec Global Innovations                           | Langley, BC Canada                 | 4504          | COMPOSITE       |               | 750 U                         | A                     |
| AGNORA LTD                                            | Collingwood, ON                    | 4884          | COMP+CAN        |               | 450 U                         | A                     |
| AJJ Glass Products Co., Ltd                           | Xiamen, Fujian                     | 7177          | COMP+CAN        |               | 125 U                         | A                     |
| Al Abbar Architectural Glass                          | Dubai, United Arab Emirates        | 4590          | COMPOSITE       |               | 100 U                         | A                     |
| Aldora Aluminum and Glass Products Inc.               | Charleston, SC                     | 4336          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.              | Orlando, FL                        | 5577          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.              | Miramar, FL                        | 4719          | COMPOSITE       |               | 285 U                         | A                     |
| All Counties Glass                                    | Stockton, CA                       | 6415          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                         | Woodbridge, ON Canada              | 1758          | COMPOSITE       |               | 450 U                         | A                     |
| All Weather Tempering of Arizona, LLC.                | Phoenix, AZ                        | 7012          | COMPOSITE       |               | 125 U                         | A                     |
| Allglass Tempering Inc.                               | Schiller Park, IL                  | 5839          | COMPOSITE       |               | 600 U                         | A                     |
| Aluminum Technology Auxiliary Industries              | Doha, Qatar                        | 5212          | COMPOSITE       |               | 125 U                         | A                     |
| American Insulated Glass Inc.                         | Conley, GA                         | 5287          | COMPOSITE       |               | 165 U                         | A                     |
| American Shower Door                                  | Los Angeles, CA                    | 3041          | COMPOSITE       |               | 250 U                         | A                     |
| Arrow Mirror & Glass, Inc.                            | Houston, TX                        | 6549          | COMPOSITE       |               | 175 U                         | A                     |
| ATN Holding Inc.                                      | Mira Loma, CA                      | 6264          | COMPOSITE       |               | 250 U                         | A                     |
| Basco Engineered Products                             | Hamilton, OH                       | 3812          | COMPOSITE       |               | 200 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                       | Beijing, China                     | 6908          | COMPOSITE       |               | 125 U                         | A                     |
| Bel Pre Glassworks Inc.                               | Rockville, MD                      | 6324          | COMPOSITE       |               | 800 U                         | A                     |
| Bel Shower Door Corporation                           | Englewood, CO                      | 6473          | COMP+CAN        |               | 250 U                         | A                     |
| Berkowitz, J.E.                                       | Pedricktown, NJ                    | 1991          | COMP+CAN        |               | 800 U                         | A                     |
| Blue Star Glass Inc.                                  | North Brunswick, NJ                | 4521          | COMPOSITE       |               | 100 U                         | A                     |
| Bronco Industries, Inc.                               | Delta, BC                          | 5368          | COMP+CAN        |               | 195 U                         | A                     |
| C&C Custom Glass & Tempering, LLC                     | Tulsa, OK                          | 6859          | COMPOSITE       |               | 175 U                         | A                     |
| Cameron Glass, Inc.                                   | Broken Arrow, OK                   | 2033          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal CG                                           | Northfield, MN                     | 6534          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CT                                           | Adel, GA                           | 6173          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal LG                                           | Amery, WI                          | 4844          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal Tempering                                    | Louisville, KY                     | 3875          | COMPOSITE       |               | 175 U                         | A                     |
| Chicago Tempered Glass, Inc.                          | Chicago, IL                        | 3090          | COMPOSITE       |               | 200 U                         | A                     |
| Chongqing SYP Engineering Glass Co., Ltd.             | Chongqing, China                   | 6813          | COMPOSITE       |               | 125 U                         | A                     |
| Classy Glass Specialties Co., Ltd                     | Dongguan, Guangdong                | 5162          | COMPOSITE       |               | 200 U                         | A                     |
| Clinton Glass Company                                 | Knoxville, TN                      | 5608          | COMPOSITE       |               | 165 U                         | A                     |
| Columbia Commercial Bldg Prod.                        | Rockwall, TX                       | 5616          | COMP+CAN        |               | 175 U                         | A                     |
| Consolidated Glass Corp.                              | New Castle, PA                     | 2004          | COMP+CAN        |               | 285 U                         | A                     |
| Contract Glass                                        | Billerica, MA                      | 4975          | COMPOSITE       |               | 100 U                         | A                     |

***Certified Products-By Product Type***

|                                               |                                 | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/2 Inch Tempered Transparent Glass</i>    |                                 |               |                 |               |                               |                       |
| Contractors Wardrobe                          | Valencia, CA                    | 3470          | COMP+CAN        |               | 250 U                         | A                     |
| Coral Industries Glass Division               | Tuscaloosa, AL                  | 2145          | COMPOSITE       |               | 165 U                         | A                     |
| Cristacurva                                   | Houston, TX                     | 6730          | COMPOSITE       |               | 175 U                         | A                     |
| Cristec Glass S.L.                            | Balaguer, Lleida                | 5698          | COMPOSITE       |               | 100 U                         | A                     |
| Crystal Tempering, Inc.                       | Debary, FL                      | 6212          | COMPOSITE       |               | 850 U                         | A                     |
| CS ECO Glass                                  | Negeri Sembilan, Malaysia       | 6871          | COMPOSITE       |               | 195 U                         | A                     |
| Custom Glass Products Inc.                    | Weston, WI                      | 6671          | COMPOSITE       |               | 600 U                         | A                     |
| D3 Glass, LLC                                 | Fort Myers, FL                  | 4793          | COMPOSITE       |               | 285 U                         | A                     |
| Dallas Flat Glass                             | Carrollton, TX                  | 4567          | COMPOSITE       |               | 175 U                         | A                     |
| DDG Glass Manufacturing SDN BHD               | Johor, Malaysia                 | 5626          | COMP+CAN        |               | 125 U                         | A                     |
| Denver Glass Interiors, Inc.                  | Englewood, CO                   | 3868          | COMPOSITE       |               | 175 U                         | A                     |
| Dillmeier Enterprise, Inc.                    | Van Buren, AR                   | 3915          | COMPOSITE       |               | 175 U                         | A                     |
| Dlubak Corporation                            | Blairsville, PA                 | 3018          | COMPOSITE       |               | 100 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.    | Dongguan, Guangdong, China      | 3937          | COMP+CAN        |               | 125 U                         | A                     |
| Dongguan Dongfa Glass Product Co., Ltd        | Dongguan, Guangdong, China      | 4126          | COMP+CAN        |               | 285 U                         | A                     |
| Downey Glass Industries, LLC                  | Pompano Beach, FL               | 2664          | COMPOSITE       |               | 285 U                         | A                     |
| Eagle Valley Glass                            | Gypsum, CO                      | 6675          | COMPOSITE       |               | 175 U                         | A                     |
| Echols Glass and Mirror, Inc.                 | Buford, GA                      | 6317          | COMPOSITE       |               | 165 U                         | A                     |
| Edge Tempering                                | Hialeah, FL                     | 6299          | COMPOSITE       |               | 285 U                         | A                     |
| EFI                                           | Kernersville, NC                | 5211          | COMP+CAN        |               | 165 U                         | A                     |
| Flat Glass Distributors                       | Jacksonville, FL                | 3826          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Group Co., Ltd.                    | Jiaxing, Zhejiang, China        | 5525          | COMP+CAN        |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass           | Foshan City, Guangdong Province | 6122          | COMP+CAN        |               | 125 U                         | A                     |
| Fountain Glass Inc.                           | Lenexa, KS                      | 7104          | COMPOSITE       |               | 150 U                         | A                     |
| Fujian Chengda Glass Co., Ltd                 | Longhai, Zhangzhou              | 7188          | COMPOSITE       |               | 125 U                         | A                     |
| Garibaldi Glass Ind. Inc.                     | Burnaby, BC                     | 4421          | COMP+CAN        |               | 750 U                         | A                     |
| General Glass                                 | Vancouver, WA                   | 5751          | COMPOSITE       |               | 195 U                         | A                     |
| GGI Glass Distributors Corp.                  | Secaucus, NJ                    | 2228          | COMPOSITE       |               | 100 U                         | A                     |
| GLASPRO                                       | Santa Fe Springs, CA            | 6048          | COMP+CAN        |               | 250 U                         | A                     |
| Glass and Mirror Craft                        | Wixom, MI                       | 4202          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Depot Inc.                              | Opa Locka, FL                   | 6634          | COMPOSITE       |               | 285 U                         | A                     |
| Glass Design of Miami, Inc.                   | Medley, FL                      | 7143          | COMPOSITE       |               | 285 U                         | A                     |
| Glass Enterprises, Inc.                       | Bensalem, PA                    | 6598          | COMPOSITE       |               | 800 U                         | A                     |
| Glass Global Distributors LLC                 | North Miami, FL                 | 6799          | COMPOSITE       |               | 285 U                         | A                     |
| Glassbel Baltic                               | Klaipeda, Lithuania             | 6709          | COMPOSITE       |               | 800 U                         | A                     |
| GlassecViracon                                | Nazaré Paulista, São Paulo      | 6996          | COMP+CAN        |               | 150 U                         | A                     |
| GlassFab Tempering Services Inc. Holly Drive  | Tracy, CA                       | 5989          | COMPOSITE       |               | 125 U                         | A                     |
| GlassFab Tempering Services, Inc. Mariani Ct. | Tracy, CA                       | 4890          | COMPOSITE       |               | 125 U                         | A                     |
| Glasswerks GWLA- East                         | South Gate, CA                  | 5884          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWT                                | Temecula, CA                    | 6098          | COMP+CAN        |               | 250 U                         | A                     |
| Glaz-Tech Industries, Inc.                    | Santa Teresa, NM                | 6603          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                    | Albuquerque, NM                 | 6592          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                    | Englewood, CO                   | 2189          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                    | Boise, ID                       | 6611          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                    | Phoenix, AZ                     | 6586          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                    | Tucson, AZ                      | 6578          | COMPOSITE       |               | 175 U                         | A                     |
| Glenny Glass Co.                              | Milford, OH                     | 3846          | COMPOSITE       |               | 200 U                         | A                     |
| Global Security Glazing                       | Selma, AL                       | 4768          | COMP+CAN        |               | 285 U                         | A                     |
| Global Tempering, LLC                         | Hialeah, FL                     | 7332          | COMP+CAN        |               | 285 U                         | A                     |

***Certified Products-By Product Type***

|                                            |                            | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------|----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/2 Inch Tempered Transparent Glass</i> |                            |               |                 |               |                               |                       |
| GnT Glass Co., Ltd.                        | Dongguan, Guangdong, China | 5790          | COMP+CAN        |               | 400 U                         | A                     |
| Goldray Industries Ltd.                    | Calgary, AB Canada         | 2449          | COMP+CAN        |               | 195 U                         | A                     |
| Griffin Glass & Metal Werks, Inc.          | Elmhurst, IL               | 7148          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Glass, LLC                        | Geneva, NY                 | 3673          | COMP+CAN        |               | 400 U                         | A                     |
| Guardian Glass, LLC                        | Corsicana, TX              | 1803          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                        | DeWitt, IA                 | 2649          | COMP+CAN        |               | 500 U                         | A                     |
| Guardian Industries Corp.                  | Galax, VA                  | 4610          | COMP+CAN        |               | 285 U                         | A                     |
| Industrial Tempering Glass                 | Brooklyn, NY               | 3419          | COMPOSITE       |               | 100 U                         | A                     |
| Industries Vanier Inc.                     | Anjou, QC                  | 6958          | COMP+CAN        |               | 450 U                         | A                     |
| Inkan Ltd                                  | Brampton, ON               | 5138          | COMP+CAN        |               | 800 U                         | A                     |
| Innovative Glass of America, Inc.          | Dallas, NC                 | 3864          | COMPOSITE       |               | 165 U                         | A                     |
| Insulite Glass Co., Inc.                   | Olathe, KS                 | 3717          | COMPOSITE       |               | 150 U                         | A                     |
| Integrity Glass Tempering, LLC.            | Venice , FL                | 6637          | COMPOSITE       |               | 285 U                         | A                     |
| Inter Fonction Ltee                        | Sherbrooke, Quebec         | 7236          | COMP+CAN        |               | 450 U                         | A                     |
| Interglass Corp                            | Miami, FL                  | 5035          | COMPOSITE       |               | 285 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.             | Xiamen, Fujian, China      | 2577          | COMP+CAN        |               | 200 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.    | Guangdong, China           | 4308          | COMP+CAN        |               | 125 U                         | A                     |
| JM Glass                                   | Hayward, CA                | 4931          | COMPOSITE       |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                         | Foshan, Guangdong, China   | 3963          | COMP+CAN        |               | 125 U                         | A                     |
| Kensington Glass Arts                      | Ijamsville, MD             | 5975          | COMPOSITE       |               | 100 U                         | A                     |
| Kohler Company                             | Union City, TN             | 4012          | COMPOSITE       |               | 165 U                         | A                     |
| La Tecnica Nel Vetro SpA                   | Scafati, Salerno, Italy    | 7165          | COMP+CAN        |               | 125 U                         | A                     |
| Les Verres VMIK Inc.                       | Gatineau, QC               | 6897          | COMP+CAN        |               | 450 U                         | A                     |
| Louisville Plate Glass                     | Louisville, KY             | 6075          | COMPOSITE       |               | 200 U                         | A                     |
| LTI Smart Glass, Inc.                      | Pittsfield, MA             | 6926          | COMPOSITE       |               | 400 U                         | A                     |
| M Industria S.A. DE C.V.                   | Merida, Yucatan Mexico     | 6147          | COMP+CAN        |               | 285 U                         | A                     |
| M&M Tempering Inc.                         | Loganville, GA             | 4282          | COMPOSITE       |               | 165 U                         | A                     |
| M3 Glass Technologies                      | Irving, TX                 | 5947          | COMPOSITE       |               | 175 U                         | A                     |
| Manko Window Systems                       | Aurora, CO                 | 6280          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Window Systems- KS                   | Manhattan, KS              | 6830          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                              | Des Moines, IA             | 6291          | COMPOSITE       |               | 500 U                         | A                     |
| Maryland Glass & Mirror                    | Baltimore, MD              | 4322          | COMPOSITE       |               | 100 U                         | A                     |
| McGrory Glass                              | Paulsboro, NJ              | 4815          | COMPOSITE       |               | 100 U                         | A                     |
| Mercer Glass Fab LLC                       | Trenton, NJ                | 4256          | COMPOSITE       |               | 100 U                         | A                     |
| Mid-American Glass                         | Davenport, IA              | 7232          | COMPOSITE       |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.             | Highland, MI               | 6032          | COMP+CAN        |               | 200 U                         | A                     |
| Mr. Glass Tempering, LLC                   | Brooklyn, NY               | 7173          | COMP+CAN        |               | 100 U                         | A                     |
| Multiver                                   | Vanier, QC                 | 5228          | COMPOSITE       |               | 400 U                         | A                     |
| Nashville Tempered Glass LLC               | Hendersonville, TN         | 4148          | COMP+CAN        |               | 285 U                         | A                     |
| New Angle Beveling                         | Hyde, PA                   | 4592          | COMPOSITE       |               | 103 U                         | A                     |
| New Angle Beveling                         | Clearfield, PA             | 5776          | COMPOSITE       |               | 103 U                         | A                     |
| New Century Glass & Aluminum LLC           | Woodside, NY               | 5458          | COMPOSITE       |               | 400 U                         | A                     |
| Northwestern Glass Fab                     | Fridley, MN                | 6737          | COMPOSITE       |               | 150 U                         | A                     |
| Novatech Canada Inc.                       | Montreal, Quebec, Canada   | 6222          | COMP+CAN        |               | 450 U                         | A                     |
| NY Tempering LLC                           | Maspeth, NY                | 4903          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Indianapolis, IN           | 2214          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Schofield, WI              | 3173          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Phoenix, AZ                | 3133          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Shawnee, OK                | 3100          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Langley, BC                | 3292          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Calgary, AB                | 3269          | COMP+CAN        |               | 195 U                         | A                     |

**Certified Products-By Product Type**

|                                                     |                                           | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/2 Inch Tempered Transparent Glass</i>          |                                           |               |                 |               |                               |                       |
| Oldcastle BuildingEnvelope®                         | Miami, FL                                 | 3500          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Los Angeles, CA                           | 516           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Houston, TX                               | 3161          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Concord, ON                               | 3445          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Tampa, FL                                 | 3121          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Denver, CO                                | 3315          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Hauppauge, NY                             | 1550          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Covington, GA                             | 3334          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Rock Hill, SC                             | 3280          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Grand Prairie, TX                         | 3256          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Vancouver, WA                             | 3225          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Albertville, MN                           | 3109          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Perrysburg, OH                            | 3238          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Moorestown, NJ                            | 3185          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Warrenton, MO                             | 3149          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Fremont, CA                               | 3196          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Wright City, MO                           | 3143          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.             | Pointe-aux-Trembles, QC                   | 2062          | COMP+CAN        |               | 450 U                         | A                     |
| PFG Glass                                           | Langley, BC                               | 3544          | COMP+CAN        |               | 750 U                         | A                     |
| Pilkington Architectural                            | St. Helens, Merseyside, England           | 7135          | COMP+CAN        |               | 150 U                         | A                     |
| Portland Glass Manufacturing                        | Clackamas, OR                             | 6510          | COMPOSITE       |               | 195 U                         | A                     |
| Precision Glass Industries                          | Houston, TX                               | 6889          | COMPOSITE       |               | 175 U                         | A                     |
| Prelco Inc.                                         | Saint-Jacques, NB                         | 4917          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                         | Riviere-du-loup, QC                       | 2048          | COMP+CAN        |               | 450 U                         | A                     |
| Premier Glass Products                              | Atlanta, GA                               | 6794          | COMP+CAN        |               | 165 U                         | A                     |
| PRESS GLASS SA                                      | Tychy, Poland                             | 5856          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Radomsko, Poland                          | 5849          | COMP+CAN        |               | 800 U                         | A                     |
| Press Glass, Inc.                                   | Stoneville, NC                            | 2733          | COMPOSITE       |               | 285 U                         | A                     |
| Procesadora de Jalisco, S.A. DE C.V.                | Zapopan, Mexico                           | 6720          | COMPOSITE       |               | 175 U                         | A                     |
| Productos De Valor Agregado en Cristal S.A. de C.V. | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4641          | COMPOSITE       |               | 175 U                         | A                     |
| Produits Verrier International Inc.                 | Montreal, Quebec                          | 5503          | COMP+CAN        |               | 450 U                         | A                     |
| ProTemp Glass, Inc.                                 | Concord, ON                               | 7314          | COMP+CAN        |               | 450 U                         | A                     |
| Qingdao Apis Glass Industries Co. Ltd.              | Shandong, China                           | 6885          | COMPOSITE       |               | 125 U                         | A                     |
| Qingdao Laurel Glass Technology Co., Ltd            | Qingdao City, China                       | 6781          | COMP+CAN        |               | 125 U                         | A                     |
| Quality Enclosures                                  | Central Islip, NY                         | 6443          | COMP+CAN        |               | 100 U                         | A                     |
| Quality Enclosures Tempering, Inc.                  | Port Orange, FL                           | 6246          | COMPOSITE       |               | 165 U                         | A                     |
| Quality Glass & Mirror, Inc.                        | Mount Prospect, IL                        | 2984          | COMPOSITE       |               | 500 U                         | A                     |
| Ready Glass & Mirror, Inc.                          | Hialeah, FL                               | 3748          | COMPOSITE       |               | 285 U                         | A                     |
| Right Away Glass, Inc.                              | Naples, FL                                | 6515          | COMPOSITE       |               | 285 U                         | A                     |
| Rizhao Huaye Glass Co., Ltd.                        | Rizhao, Shandong                          | 5571          | COMP+CAN        |               | 285 U                         | A                     |
| Robover Inc.                                        | Quebec City, QC                           | 5764          | COMP+CAN        |               | 450 U                         | A                     |
| S.F. Tempering                                      | Dania Beach, FL                           | 5021          | COMPOSITE       |               | 285 U                         | A                     |
| SAAND Ottawa                                        | Stittsville, ON                           | 4954          | COMP+CAN        |               | 450 U                         | A                     |
| SAAND Rexdale                                       | Rexdale, ON                               | 5000          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto Inc.                                  | Toronto, ON                               | 4358          | COMP+CAN        |               | 450 U                         | A                     |
| SG Glass Industries L.L.C.                          | Miami Gardens, FL                         | 6362          | COMP+CAN        |               | 285 U                         | A                     |
| Shanghai Hangqi Glass Co., LTD.                     | Shanghai, China                           | 6880          | COMPOSITE       |               | 200 U                         | A                     |
| Shanghai SYP Engineering Glass                      | Shanghai, China                           | 4072          | COMP+CAN        |               | 125 U                         | A                     |
| Shape Products LLC.                                 | Sarasota, FL                              | 6506          | COMPOSITE       |               | 285 U                         | A                     |
| Shower Doors & More Inc.                            | Fort Lauderdale, FL                       | 5759          | COMPOSITE       |               | 285 U                         | A                     |

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|                                                                |                             | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|-----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/2 Inch Tempered Transparent Glass</i>                     |                             |               |                 |               |                               |                       |
| Sichuan CSG Energy Conservation Glass Co., Ltd.                | Chengdu, Sichuan            | 7054          | COMPOSITE       |               | 125 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME               | 2966          | COMPOSITE       |               | 100 U                         | A                     |
| Sky Land Tempering Glass Corp                                  | Long Island City, NY        | 5470          | COMPOSITE       |               | 100 U                         | A                     |
| Skyline Design                                                 | Chicago, IL                 | 6343          | COMP+CAN        |               | 600 U                         | A                     |
| Solar Seal Massachusetts                                       | South Easton, MA            | 1037          | COMPOSITE       |               | 800 U                         | A                     |
| Solar Seal Virginia                                            | Stafford, VA                | 5726          | COMPOSITE       |               | 100 U                         | A                     |
| South Bay Showers, Inc.                                        | Santa Clara, CA             | 6928          | COMPOSITE       |               | 125 U                         | A                     |
| Standard Bent Glass                                            | East Butler, PA             | 6304          | COMP+CAN        |               | 103 U                         | A                     |
| Stargrup Cam A.S.                                              | Arnavutkoy, Istanbul        | 6206          | COMPOSITE       |               | 285 U                         | A                     |
| Sterling Mirror Company, LLC                                   | Stevensville, MD            | 6185          | COMP+CAN        | (IN)          | 800 U                         | A                     |
| Strong Tempering Glass Industry LLC                            | Brooklyn, NY                | 5941          | COMPOSITE       |               | 100 U                         | A                     |
| Swift Glass Co., Inc.                                          | Elmira Heights, NY          | 1559          | COMPOSITE       |               | 400 U                         | A                     |
| Syracuse Glass Co., Inc.                                       | Syracuse, NY                | 2657          | COMP+CAN        |               | 400 U                         | A                     |
| Tacoma Glass Mfg. Inc.                                         | Lakewood, WA                | 4732          | COMPOSITE       |               | 750 U                         | A                     |
| Tacoma Glass Mfg. Inc.                                         | Burlington, WA              | 5167          | COMPOSITE       |               | 195 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China  | 5604          | COMP+CAN        |               | 285 U                         | A                     |
| Taiwan Glass Industry Corp.                                    | Taipei, Taiwan, China       | 3891          | COMP+CAN        |               | 750 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN           | 4509          | COMP+CAN        |               | 285 U                         | A                     |
| Tecnoglass S.A.                                                | Barranquilla, Colombia      | 2135          | COMP+CAN        |               | 285 U                         | A                     |
| TEMCOR S. DE RL DE CV                                          | Santa Catarina N.L., Mexico | 6983          | COMPOSITE       |               | 175 U                         | A                     |
| Temp Glass Inc.                                                | El Paso, TX                 | 6701          | COMPOSITE       |               | 175 U                         | A                     |
| Tempco Glass                                                   | Flushing, NY                | 5013          | COMPOSITE       |               | 400 U                         | A                     |
| Templado USA Glass & Aluminum Products                         | Barranquilla, Colombia      | 6336          | COMPOSITE       |               | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China             | 6422          | COMP+CAN        |               | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                 | 4851          | COMPOSITE       |               | 175 U                         | A                     |
| The Original Frameless Shower Door                             | Coral Springs, FL           | 4663          | COMPOSITE       |               | 285 U                         | A                     |
| Thermal Seal Insulating Glass                                  | Uxbridge, MA                | 5736          | COMPOSITE       |               | 285 U                         | A                     |
| Thermalsun Glass Products                                      | Santa Rosa, CA              | 6270          | COMPOSITE       |               | 125 U                         | A                     |
| Thompson I.G. LLC.                                             | Fenton, MI                  | 5299          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd                 | Tianjin, China              | 4026          | COMP+CAN        |               | 100 U                         | A                     |
| Tristar Glass, Inc.                                            | Catoosa, OK                 | 4009          | COMPOSITE       |               | 175 U                         | A                     |
| Triton Glass LLC                                               | Albemarle, NC               | 5694          | COMPOSITE       |               | 165 U                         | A                     |
| Triview Glass Industries                                       | City of Industry, CA        | 5044          | COMP+CAN        |               | 250 U                         | A                     |
| Troy Systems LLC                                               | Manassas, VA                | 4063          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass & Aluminum Solutions Canada, ULC                 | Bois-des-Filion, QC         | 6065          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL               | 4227          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                 | 5798          | COMPOSITE       |               | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Aurora, CO                  | 5345          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Salt Lake City, UT          | 5340          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | San Antonio, TX             | 4277          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Youngsville, NC             | 5276          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | New Berlin, WI              | 5322          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX              | 5401          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Vaughan, ON                 | 5782          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Indianapolis, IN            | 4753          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Lithia Springs, GA          | 6105          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN               | 4159          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                 | 5704          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Cheswick, PA                | 1788          | COMPOSITE       |               | 103 U                         | A                     |



**Certified Products-By Product Type**

|                                                                                                 |                               | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-------------------------------------------------------------------------------------------------|-------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/2 Inch Tempered Transparent Glass</i>                                                      |                               |               |                 |               |                               |                       |
| Trulite Glass and Aluminum Solutions                                                            | Columbus, OH                  | 4748          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Houston, TX                   | 3928          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Orlando, FL                   | 5187          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Tulsa, OK                     | 5447          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Las Vegas, NV                 | 4215          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | City of Industry, CA          | 4187          | COMPOSITE       |               | 250 U                         | A                     |
| U.S. Glass Distributors Inc.                                                                    | Enfield, CT                   | 5926          | COMP+CAN        |               | 400 U                         | A                     |
| United Plate Glass Co., Inc.                                                                    | Butler, PA                    | 2471          | COMP+CAN        |               | 800 U                         | A                     |
| United Plate Glass Company of Charlotte                                                         | Lincolnton, NC                | 3952          | COMP+CAN        |               | 165 U                         | A                     |
| Unitex Glass Chengdu Co., Ltd                                                                   | Chendu, Sichuan, China        | 6520          | COMPOSITE       |               | 200 U                         | A                     |
| Upstate Glass Tempering Inc.                                                                    | Middletown, NY                | 5158          | COMPOSITE       |               | 400 U                         | A                     |
| US Glass Tempering Inc.                                                                         | San Leandro, CA               | 7161          | COMPOSITE       |               | 125 U                         | A                     |
| Valentini Glass & Components srl                                                                | Brescia, Italy                | 6816          | COMPOSITE       |               | 400 U                         | A                     |
| Viracon Inc.                                                                                    | Owatonna, MN                  | 1509          | COMP+CAN        |               | 150 U                         | A                     |
| Virginia Glass Products Corp.                                                                   | Martinsville, VA              | 94            | COMPOSITE       |               | 100 U                         | A                     |
| Vistamatic, LLC                                                                                 | Coral Springs, FL             | 6539          | COMPOSITE       |               | 285 U                         | A                     |
| Vitemex                                                                                         | Reynosa, Tamaulipas Mexico    | 5395          | COMPOSITE       |               | 175 U                         | A                     |
| Vitra Vidrios Transformados SA de CV                                                            | Cortes, Honduras              | 4655          | COMPOSITE       |               | 285 U                         | A                     |
| Vitrum Industries Ltd.                                                                          | Langley, BC                   | 7122          | COMP+CAN        |               | 950 U                         | A                     |
| W. A. Wilson Inc.                                                                               | Wheeling, WV                  | 4173          | COMPOSITE       |               | 200 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products                                             | Cerritos, CA                  | 7076          | COMP+CAN        |               | 250 U                         | A                     |
| WGM Fabricators, LLC                                                                            | Whitinsville, MA              | 6369          | COMP+CAN        |               | 100 U                         | A                     |
| Wholesale Glass Dist.                                                                           | Memphis, TN                   | 4382          | COMPOSITE       |               | 150 U                         | A                     |
| Wisconsin Shower Door & Supply                                                                  | Menomonee Falls, WI           | 5590          | COMPOSITE       |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.                                                                  | Grand Rapids, MI              | 5431          | COMP+CAN        |               | 200 U                         | A                     |
| WSD Glass, Inc.                                                                                 | Winston-Salem, NC             | 4050          | COMPOSITE       |               | 165 U                         | A                     |
| Wujiang CSG Huadong Architectural Glass Co., LTD                                                | Wujiang, Jiangsu, China       | 6788          | COMPOSITE       |               | 250 U                         | A                     |
| Wujiang Golden Glass Technologies, Ltd.                                                         | Wujiang City, China           | 5254          | COMPOSITE       |               | 125 U                         | A                     |
| Xiamen Togen Building Products Co., Ltd.                                                        | Fujian, China                 | 6650          | COMPOSITE       |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                                                                  | Tianjin, China                | 5536          | COMP+CAN        |               | 195 U                         | A                     |
| Xinyi Glass (Yingkou) Co., Ltd.                                                                 | Liaoning, China               | 6851          | COMPOSITE       |               | 195 U                         | A                     |
| Yao Xiang Glass Product Co. Ltd.                                                                | Foshan, Guangdong, China      | 3741          | COMP+CAN        |               | 285 U                         | A                     |
| Zhangjiagang City Daming Glass Product Co., Ltd                                                 | Zhangjiagang City, Jiangsu    | 5466          | COMP+CAN        |               | 285 U                         | A                     |
| <i>12 mm Tempered Transparent Glass (Conforms to thickness tolerance other than ASTM C1036)</i> |                               |               |                 |               |                               |                       |
| A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY                                                | Riyadh, Saudi Arabia          | 7277          | COMP+CAN        | (7)           | 100 U                         | A                     |
| Eckelt Glas GmbH                                                                                | Steyr, Austria                | 2853          | COMPOSITE       | (4)           | 100 U                         | A                     |
| Guangdong Golden Glass Technologies                                                             | Shantou, Guangdong, China     | 3944          | COMP+CAN        | (4)           | 125 U                         | A                     |
| Gulf Glass Industries, LLC                                                                      | Sharjah, United Arab Emirates | 4798          | COMPOSITE       | (7)           | 800 U                         | A                     |
| Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd                                       | Qinhuangdao, Hebei, China     | 5129          | COMP+CAN        | (4)           | 150 U                         | A                     |
| Sapphire Glass Systems Inc.                                                                     | Sterling, VA                  | 7265          | COMP+CAN        | (4)           | 100 U                         | A                     |
| Saudi American Glass Company                                                                    | Riyadh, Saudi Arabia          | 6748          | COMPOSITE       | (4)           | 100 U                         | A                     |
| Tianjin Northglass Industrial Technical Co., Ltd                                                | Tianjin, China                | 5221          | COMPOSITE       |               | 175 U                         | A                     |
| Tianjin SYP Engineering Glass Co., Ltd.                                                         | Tianjin, China                | 4079          | COMP+CAN        | (4)           | 125 U                         | A                     |
| Uniglass                                                                                        | Riyadh, Saudi Arabia          | 7032          | COMPOSITE       | (7)           | 100 U                         | A                     |

**Certified Products-By Product Type**

|                                                                                                 |                                 | <u>SGCC #</u> | <u>Standard</u> |      | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-------------------------------------------------------------------------------------------------|---------------------------------|---------------|-----------------|------|---------------|-------------------------------|-----------------------|
| <b>12 mm Tempered Transparent Glass</b> (Conforms to thickness tolerance other than ASTM C1036) |                                 |               |                 |      |               |                               |                       |
| Xianning CSG Energy Conservation Glass Co., LTD.                                                | Xianning, Hubei, China          | 5981          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                                                                   | Dongguan, Guangdong, China      | 3055          | COMP+CAN        | (4)  |               | 195 U                         | A                     |
| <b>15 mm Tempered Transparent Glass</b> (Conforms to thickness tolerance other than ASTM C1036) |                                 |               |                 |      |               |                               |                       |
| Advantec Global Innovations                                                                     | Langley, BC Canada              | 4505          | COMPOSITE       | (4)  |               | 750 U                         | A                     |
| AJJ Glass Products Co., Ltd                                                                     | Xiamen, Fujian                  | 7178          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Al Abbar Architectural Glass                                                                    | Dubai, United Arab Emirates     | 3976          | COMPOSITE       | (4)  |               | 100 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                                                                 | Beijing, China                  | 6909          | COMPOSITE       | (4)  |               | 125 U                         | A                     |
| Classy Glass Specialties Co., Ltd                                                               | Dongguan, Guangdong             | 5163          | COMPOSITE       | (4)  |               | 200 U                         | A                     |
| DDG Glass Manufacturing SDN BHD                                                                 | Johor, Malaysia                 | 5627          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.                                                      | Dongguan, Guangdong, China      | 3938          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Eckelt Glas GmbH                                                                                | Steyr, Austria                  | 2854          | COMPOSITE       | (4)  |               | 100 U                         | A                     |
| Garibaldi Glass Ind. Inc.                                                                       | Burnaby, BC                     | 5125          | COMP+CAN        | (4)  |               | 750 U                         | A                     |
| Guangdong Golden Glass Technologies                                                             | Shantou, Guangdong, China       | 3945          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                         | Guangdong, China                | 4309          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Pilkington Architectural                                                                        | St. Helens, Merseyside, England | 7136          | COMP+CAN        | (4)  |               | 150 U                         | A                     |
| PRESS GLASS SA                                                                                  | Radomsko, Poland                | 5850          | COMP+CAN        | (4)  |               | 800 U                         | A                     |
| PRESS GLASS SA                                                                                  | Tychy, Poland                   | 5857          | COMP+CAN        | (4)  |               | 800 U                         | A                     |
| Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd                                       | Qinhuangdao, Hebei, China       | 5130          | COMP+CAN        | (4)  |               | 150 U                         | A                     |
| Rizhao Huaye Glass Co., Ltd.                                                                    | Rizhao, Shandong                | 5572          | COMP+CAN        | (4)  |               | 285 U                         | A                     |
| Shanghai SYP Engineering Glass                                                                  | Shanghai, China                 | 4073          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Sichuan CSG Energy Conservation Glass Co., Ltd.                                                 | Chengdu, Sichuan                | 7055          | COMPOSITE       | (4)  |               | 125 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd                                                  | Tianjin, China                  | 4027          | COMP+CAN        | (4)  |               | 100 U                         | A                     |
| Tianjin SYP Engineering Glass Co., Ltd.                                                         | Tianjin, China                  | 4080          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Wujiang CSG Huadong Architectural Glass Co., LTD                                                | Wujiang, Jiangsu, China         | 6789          | COMPOSITE       | (4)  |               | 250 U                         | A                     |
| Wujiang Golden Glass Technologies, Ltd.                                                         | Wujiang City, China             | 5255          | COMPOSITE       | (4)  |               | 125 U                         | A                     |
| Xiamen Togen Building Products Co., Ltd.                                                        | Fujian, China                   | 6651          | COMPOSITE       | (4)  |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.                                                | Xianning, Hubei, China          | 5982          | COMP+CAN        | (4)  |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                                                                  | Tianjin, China                  | 6329          | COMP+CAN        | (4)  |               | 195 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                                                                   | Dongguan, Guangdong, China      | 4179          | COMP+CAN        | (4)  |               | 195 U                         | A                     |
| <b>5/8 Inch Tempered Transparent Glass</b>                                                      |                                 |               |                 |      |               |                               |                       |
| Aldora Aluminum and Glass Products, Inc.                                                        | Miramar, FL                     | 6477          | COMPOSITE       |      |               | 285 U                         | A                     |
| All Team Glass & Mirror, Ltd.                                                                   | Woodbridge, ON Canada           | 4355          | COMPOSITE       |      |               | 450 U                         | A                     |
| Blue Star Glass Inc.                                                                            | North Brunswick, NJ             | 5174          | COMPOSITE       |      |               | 100 U                         | A                     |
| Cardinal LG                                                                                     | Amery, WI                       | 6484          | COMP+CAN        | (IN) |               | 150 U                         | A                     |
| Dillmeier Enterprise, Inc.                                                                      | Van Buren, AR                   | 3916          | COMPOSITE       |      |               | 175 U                         | A                     |
| GGI Glass Distributors Corp.                                                                    | Secaucus, NJ                    | 3857          | COMPOSITE       |      |               | 100 U                         | A                     |
| Glass and Mirror Craft                                                                          | Wixom, MI                       | 4203          | COMP+CAN        |      |               | 150 U                         | A                     |
| Glasswerks GWLA- East                                                                           | South Gate, CA                  | 6921          | COMPOSITE       |      |               | 250 U                         | A                     |
| Industries Vanier Inc.                                                                          | Anjou, QC                       | 6959          | COMP+CAN        |      |               | 450 U                         | A                     |
| Inkan Ltd                                                                                       | Brampton, ON                    | 5139          | COMP+CAN        |      |               | 800 U                         | A                     |
| Kensington Glass Arts                                                                           | Ijamsville, MD                  | 5976          | COMPOSITE       |      |               | 100 U                         | A                     |
| LTI Smart Glass, Inc.                                                                           | Pittsfield, MA                  | 7015          | COMPOSITE       |      |               | 400 U                         | A                     |

**Certified Products-By Product Type**

|                                                                |                             | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|-----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/8 Inch Tempered Transparent Glass</i>                     |                             |               |                 |               |                               |                       |
| Manko Window Systems- KS                                       | Manhattan, KS               | 6831          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                                                  | Des Moines, IA              | 6432          | COMPOSITE       |               | 500 U                         | A                     |
| McGrory Glass                                                  | Paulsboro, NJ               | 4816          | COMPOSITE       |               | 100 U                         | A                     |
| Midwest Glass Fabricators Inc.                                 | Highland, MI                | 6033          | COMP+CAN        |               | 200 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Covington, GA               | 4390          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Albertville, MN             | 3110          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Concord, ON                 | 3446          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Hauppauge, NY               | 4181          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Los Angeles, CA             | 4387          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Calgary, AB                 | 3270          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Perrysburg, OH              | 3239          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Langley, BC                 | 3293          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Moorestown, NJ              | 4054          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Grand Prairie, TX           | 7039          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Phoenix, AZ                 | 7262          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO               | 5904          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Indianapolis, IN            | 7250          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Fremont, CA                 | 4458          | COMP+CAN        |               | 125 U                         | A                     |
| Prelco Inc.                                                    | Riviere-du-loup, QC         | 5609          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                                    | Saint-Jacques, NB           | 5610          | COMP+CAN        |               | 450 U                         | A                     |
| Press Glass, Inc.                                              | Stoneville, NC              | 2731          | COMPOSITE       |               | 285 U                         | A                     |
| ProTemp Glass, Inc.                                            | Concord, ON                 | 7315          | COMP+CAN        |               | 450 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME               | 4326          | COMPOSITE       |               | 100 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN           | 4510          | COMP+CAN        |               | 285 U                         | A                     |
| Tecnoglass S.A.                                                | Barranquilla, Colombia      | 2365          | COMP+CAN        |               | 285 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                 | 7128          | COMPOSITE       |               | 175 U                         | A                     |
| Triview Glass Industries                                       | City of Industry, CA        | 5045          | COMP+CAN        |               | 250 U                         | A                     |
| Trulite Glass & Aluminum Solutions Canada, ULC                 | Bois-des-Filion, QC         | 6066          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Indianapolis, IN            | 7086          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Youngsville, NC             | 6009          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | New Berlin, WI              | 5896          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                 | 7123          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Lithia Springs, GA          | 6106          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX              | 6389          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Cheswick, PA                | 4134          | COMPOSITE       |               | 103 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                 | 5680          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                 | 5477          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH                | 6160          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | City of Industry, CA        | 4522          | COMPOSITE       |               | 250 U                         | A                     |
| U.S. Glass Distributors Inc.                                   | Enfield, CT                 | 5927          | COMP+CAN        |               | 400 U                         | A                     |
| Upstate Glass Tempering Inc.                                   | Middletown, NY              | 6743          | COMPOSITE       | (IN)          | 400 U                         | A                     |
| Virginia Glass Products Corp.                                  | Martinsville, VA            | 2182          | COMPOSITE       |               | 100 U                         | A                     |
| WGM Fabricators, LLC                                           | Whitinsville, MA            | 6370          | COMP+CAN        |               | 100 U                         | A                     |
| <i>3/4 Inch Tempered Transparent Glass</i>                     |                             |               |                 |               |                               |                       |
| Advantec Global Innovations                                    | Langley, BC Canada          | 4506          | COMPOSITE       |               | 750 U                         | A                     |
| Al Abbar Architectural Glass                                   | Dubai, United Arab Emirates | 3977          | COMPOSITE       |               | 100 U                         | A                     |
| All Team Glass & Mirror, Ltd.                                  | Woodbridge, ON Canada       | 3656          | COMPOSITE       |               | 450 U                         | A                     |
| Basco Engineered Products                                      | Hamilton, OH                | 5076          | COMPOSITE       |               | 200 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                                | Beijing, China              | 6910          | COMPOSITE       |               | 125 U                         | A                     |
| Bel Pre Glassworks Inc.                                        | Rockville, MD               | 6325          | COMPOSITE       |               | 800 U                         | A                     |

***Certified Products-By Product Type***

|                                               |                                 | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/4 Inch Tempered Transparent Glass</i>    |                                 |               |                 |               |                               |                       |
| Berkowitz, J.E.                               | Pedricktown, NJ                 | 2647          | COMP+CAN        |               | 800 U                         | A                     |
| Blue Star Glass Inc.                          | North Brunswick, NJ             | 5175          | COMPOSITE       |               | 100 U                         | A                     |
| Bronco Industries, Inc.                       | Delta, BC                       | 6972          | COMP+CAN        |               | 195 U                         | A                     |
| C&C Custom Glass & Tempering, LLC             | Tulsa, OK                       | 6860          | COMPOSITE       |               | 175 U                         | A                     |
| Classy Glass Specialties Co., Ltd             | Dongguan, Guangdong             | 5164          | COMPOSITE       |               | 200 U                         | A                     |
| Contractors Wardrobe                          | Valencia, CA                    | 3472          | COMP+CAN        |               | 250 U                         | A                     |
| Coral Industries Glass Division               | Tuscaloosa, AL                  | 2644          | COMPOSITE       |               | 165 U                         | A                     |
| Dillmeier Enterprise, Inc.                    | Van Buren, AR                   | 3917          | COMPOSITE       |               | 175 U                         | A                     |
| Dlubak Corporation                            | Blairsville, PA                 | 3019          | COMPOSITE       |               | 100 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.    | Dongguan, Guangdong, China      | 3939          | COMP+CAN        |               | 125 U                         | A                     |
| Downey Glass Industries, LLC                  | Pompano Beach, FL               | 2665          | COMPOSITE       |               | 285 U                         | A                     |
| Eckelt Glas GmbH                              | Steyr, Austria                  | 2855          | COMPOSITE       |               | 100 U                         | A                     |
| Garibaldi Glass Ind. Inc.                     | Burnaby, BC                     | 4422          | COMP+CAN        |               | 750 U                         | A                     |
| GGI Glass Distributors Corp.                  | Secaucus, NJ                    | 3858          | COMPOSITE       |               | 100 U                         | A                     |
| Glass and Mirror Craft                        | Wixom, MI                       | 4204          | COMP+CAN        |               | 150 U                         | A                     |
| GlassFab Tempering Services Inc. Holly Drive  | Tracy, CA                       | 5990          | COMPOSITE       |               | 125 U                         | A                     |
| GlassFab Tempering Services, Inc. Mariani Ct. | Tracy, CA                       | 4893          | COMPOSITE       |               | 125 U                         | A                     |
| Glasswerks GWLA- East                         | South Gate, CA                  | 5885          | COMPOSITE       |               | 250 U                         | A                     |
| Griffin Glass & Metal Werks, Inc.             | Elmhurst, IL                    | 7284          | COMP+CAN        |               | 500 U                         | A                     |
| Guangdong Golden Glass Technologies           | Shantou, Guangdong, China       | 3946          | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Industries Corp.                     | Galax, VA                       | 4611          | COMP+CAN        | (IN)          | 285 U                         | A                     |
| Industrial Tempering Glass                    | Brooklyn, NY                    | 4240          | COMPOSITE       |               | 100 U                         | A                     |
| Industries Vanier Inc.                        | Anjou, QC                       | 6960          | COMP+CAN        |               | 450 U                         | A                     |
| Inkan Ltd                                     | Brampton, ON                    | 5140          | COMP+CAN        |               | 800 U                         | A                     |
| Interglass Corp                               | Miami, FL                       | 5036          | COMPOSITE       |               | 285 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.       | Guangdong, China                | 4310          | COMP+CAN        |               | 125 U                         | A                     |
| Kensington Glass Arts                         | Ijamsville, MD                  | 5977          | COMPOSITE       |               | 100 U                         | A                     |
| M Industria S.A. DE C.V.                      | Merida, Yucatan Mexico          | 6481          | COMP+CAN        |               | 285 U                         | A                     |
| Manko Window Systems- KS                      | Manhattan, KS                   | 6832          | COMPOSITE       |               | 500 U                         | A                     |
| Manko Windows                                 | Des Moines, IA                  | 7004          | COMPOSITE       |               | 500 U                         | A                     |
| Maryland Glass & Mirror                       | Baltimore, MD                   | 7022          | COMPOSITE       |               | 100 U                         | A                     |
| McGrory Glass                                 | Paulsboro, NJ                   | 4817          | COMPOSITE       |               | 100 U                         | A                     |
| Midwest Glass Fabricators Inc.                | Highland, MI                    | 6034          | COMP+CAN        |               | 200 U                         | A                     |
| Nashville Tempered Glass LLC                  | Hendersonville, TN              | 5454          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Los Angeles, CA                 | 2074          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Covington, GA                   | 3335          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Perrysburg, OH                  | 3240          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Concord, ON                     | 3447          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Langley, BC                     | 3294          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Phoenix, AZ                     | 6394          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Calgary, AB                     | 3271          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Grand Prairie, TX               | 3257          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Hauppauge, NY                   | 1551          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Albertville, MN                 | 3111          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Fremont, CA                     | 3197          | COMP+CAN        |               | 125 U                         | A                     |
| Pilkington Architectural                      | St. Helens, Merseyside, England | 7137          | COMP+CAN        |               | 150 U                         | A                     |
| Prelco Inc.                                   | Saint-Jacques, NB               | 5611          | COMP+CAN        |               | 450 U                         | A                     |
| Prelco Inc.                                   | Riviere-du-loup, QC             | 4904          | COMP+CAN        |               | 450 U                         | A                     |
| Press Glass, Inc.                             | Stoneville, NC                  | 2734          | COMPOSITE       |               | 285 U                         | A                     |

**Certified Products-By Product Type**

|                                                                                                 |                                           | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-------------------------------------------------------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <b>3/4 Inch Tempered Transparent Glass</b>                                                      |                                           |               |                 |               |                               |                       |
| Productos De Valor Agregado en Cristal S.A. de C.V.                                             | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4642          | COMPOSITE       |               | 175 U                         | A                     |
| ProTemp Glass, Inc.                                                                             | Concord, ON                               | 7316          | COMP+CAN        |               | 450 U                         | A                     |
| Quality Glass & Mirror, Inc.                                                                    | Mount Prospect, IL                        | 3805          | COMPOSITE       |               | 500 U                         | A                     |
| SG Glass Industries L.L.C.                                                                      | Miami Gardens, FL                         | 6363          | COMP+CAN        |               | 285 U                         | A                     |
| Shanghai Hangqi Glass Co., LTD.                                                                 | Shanghai, China                           | 6881          | COMPOSITE       |               | 200 U                         | A                     |
| Shanghai SYP Engineering Glass                                                                  | Shanghai, China                           | 4074          | COMP+CAN        |               | 125 U                         | A                     |
| SIGCO, Inc.                                                                                     | Westbrook, ME                             | 4327          | COMPOSITE       |               | 100 U                         | A                     |
| Solar Seal Massachusetts                                                                        | South Easton, MA                          | 5527          | COMPOSITE       |               | 800 U                         | A                     |
| Strong Tempering Glass Industry LLC                                                             | Brooklyn, NY                              | 6746          | COMPOSITE       |               | 100 U                         | A                     |
| Tecnoglass S.A.                                                                                 | Barranquilla, Colombia                    | 2894          | COMP+CAN        |               | 285 U                         | A                     |
| Tempco Glass                                                                                    | Flushing, NY                              | 7214          | COMPOSITE       |               | 400 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company                                  | Houston, TX                               | 5365          | COMPOSITE       |               | 175 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd                                                  | Tianjin, China                            | 4028          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin SYP Engineering Glass Co., Ltd.                                                         | Tianjin, China                            | 4081          | COMP+CAN        |               | 125 U                         | A                     |
| Tristar Glass, Inc.                                                                             | Catoosa, OK                               | 7073          | COMPOSITE       |               | 175 U                         | A                     |
| Triview Glass Industries                                                                        | City of Industry, CA                      | 5046          | COMP+CAN        |               | 250 U                         | A                     |
| Trulite Glass & Aluminum Solutions Canada, ULC                                                  | Bois-des-Filion, QC                       | 6067          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Lithia Springs, GA                        | 6107          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Fort Worth, TX                            | 6388          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Las Vegas, NV                             | 4216          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Fremont, CA                               | 5800          | COMPOSITE       |               | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Cheswick, PA                              | 4135          | COMPOSITE       |               | 103 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Columbus, OH                              | 6161          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Orlando, FL                               | 5188          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Phoenix, AZ                               | 7002          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | New Berlin, WI                            | 5897          | COMPOSITE       |               | 600 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Youngsville, NC                           | 5277          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Aurora, CO                                | 5346          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | City of Industry, CA                      | 4371          | COMPOSITE       |               | 250 U                         | A                     |
| U.S. Glass Distributors Inc.                                                                    | Enfield, CT                               | 6157          | COMP+CAN        |               | 400 U                         | A                     |
| Virginia Glass Products Corp.                                                                   | Martinsville, VA                          | 95            | COMPOSITE       |               | 100 U                         | A                     |
| WGM Fabricators, LLC                                                                            | Whitinsville, MA                          | 6371          | COMP+CAN        |               | 100 U                         | A                     |
| Wujiang Golden Glass Technologies, Ltd.                                                         | Wujiang City, China                       | 5256          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.                                                | Xianning, Hubei, China                    | 5983          | COMP+CAN        |               | 125 U                         | A                     |
| <b>19 mm Tempered Transparent Glass (Conforms to thickness tolerance other than ASTM C1036)</b> |                                           |               |                 |               |                               |                       |
| DDG Glass Manufacturing SDN BHD                                                                 | Johor, Malaysia                           | 5628          | COMP+CAN        | (4)           | 125 U                         | A                     |
| <b>1 Inch Tempered Transparent Glass</b>                                                        |                                           |               |                 |               |                               |                       |
| GGI Glass Distributors Corp.                                                                    | Secaucus, NJ                              | 4774          | COMPOSITE       | (IN)          | 100 U                         | A                     |
| <b>Tempered Patterned Glass</b>                                                                 |                                           |               |                 |               |                               |                       |
| <b>1/8 Inch Tempered Patterned Glass</b>                                                        |                                           |               |                 |               |                               |                       |
| AGC Flat Glass North America                                                                    | Greenland, TN                             | 587           | COMP+CAN        | (s)           | 285 U                         | A                     |
| AGC, Poma Glass Co. N.A.                                                                        | Boardman, OH                              | 5475          | COMP+CAN        | (m)           | 800 U                         | A                     |
| AGC-Poma Glass Co. N.A.                                                                         | Quakertown, PA                            | 2510          | COMPOSITE       | (s)           | 800 U                         | A                     |
| All Weather Tempering of Arizona, LLC.                                                          | Phoenix, AZ                               | 6381          | COMPOSITE       | (s)           | 125 U                         | A                     |
| American Insulated Glass Inc.                                                                   | Conley, GA                                | 5288          | COMPOSITE       | (s)           | 165 U                         | A                     |

***Certified Products-By Product Type***

|                                                  |                        | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------------|------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/8 Inch Tempered Patterned Glass</i>         |                        |               |                 |               |                               |                       |
| Amsco Windows                                    | Salt Lake City, UT     | 2582          | COMPOSITE (m)   |               | 750 U                         | A                     |
| ATI Windows                                      | Riverside, CA          | 5639          | COMPOSITE (s)   |               | 250 U                         | A                     |
| ATN Holding Inc.                                 | Mira Loma, CA          | 6261          | COMPOSITE (s)   |               | 250 U                         | A                     |
| Cardinal CG                                      | Waxahachie, TX         | 6555          | COMP+CAN (m)    |               | 175 U                         | A                     |
| Cardinal CG                                      | Tumwater, WA           | 2954          | COMP+CAN (s)    |               | 195 U                         | A                     |
| Cardinal CG                                      | Galt, CA               | 3599          | COMPOSITE (s)   |               | 125 U                         | A                     |
| Cardinal CG                                      | Moreno Valley, CA      | 5335          | COMP+CAN (s)    |               | 250 U                         | A                     |
| Cardinal CG                                      | Northfield, MN         | 2011          | COMP+CAN (s)    |               | 150 U                         | A                     |
| Cardinal CG                                      | Loveland, CO           | 4343          | COMPOSITE (s)   |               | 500 U                         | A                     |
| Cardinal CG                                      | Buford, GA             | 2146          | COMP+CAN (s)    |               | 165 U                         | A                     |
| Cardinal CG                                      | Spring Green, WI       | 2071          | COMP+CAN (s)    |               | 600 U                         | A                     |
| Cardinal CG                                      | Casa Grande, AZ        | 4103          | COMP+CAN (s)    |               | 250 U                         | A                     |
| Cardinal CT                                      | Utica, OH              | 4623          | COMP+CAN (m)    |               | 200 U                         | A                     |
| Cardinal CT                                      | Adel, GA               | 5098          | COMP+CAN (d)    |               | 165 U                         | A                     |
| Cardinal CT                                      | Easton, PA             | 4759          | COMP+CAN (m)    |               | 100 U                         | A                     |
| Cardinal CT                                      | Los Angeles, CA        | 5088          | COMP+CAN (s)    |               | 250 U                         | A                     |
| Cardinal CT                                      | Mount Airy, NC         | 4581          | COMP+CAN (s)    |               | 165 U                         | A                     |
| Cardinal CT                                      | Fort Worth, TX         | 7321          | COMPOSITE (s)   |               | 175 U                         | A                     |
| Cardinal CT - S                                  | Irving TX              | 5105          | COMPOSITE (s)   |               | 175 U                         | A                     |
| Cardinal CT - W                                  | Irving TX              | 5249          | COMPOSITE (s)   |               | 175 U                         | A                     |
| Cardinal IG                                      | Waxahachie, TX         | 2397          | COMP+CAN (m)    |               | 175 U                         | A                     |
| Cardinal IG                                      | Buckeye, AZ            | 6558          | COMP+CAN (m)    |               | 125 U                         | A                     |
| Cardinal IG                                      | Greenfield, IA         | 1841          | COMP+CAN (s)    |               | 500 U                         | A                     |
| Cardinal IG                                      | Tomah, WI              | 2321          | COMP+CAN (m)    |               | 600 U                         | A                     |
| Cardinal IG                                      | Mountain Top, PA       | 3073          | COMP+CAN (m)    |               | 100 U                         | A                     |
| Cardinal IG                                      | Vinton, VA             | 2923          | COMP+CAN (s)    |               | 100 U                         | A                     |
| Cardinal IG                                      | Fargo, ND              | 2231          | COMP+CAN (s)    |               | 150 U                         | A                     |
| Cardinal IG                                      | Spring Green, WI       | 1844          | COMP+CAN (s)    |               | 150 U                         | A                     |
| Cardinal IG                                      | Hood River, OR         | 2857          | COMP+CAN (s)    |               | 195 U                         | A                     |
| Cardinal IG                                      | Fremont, IN            | 2203          | COMP+CAN (s)    |               | 150 U                         | A                     |
| Cardinal IG                                      | Ocala, FL              | 4584          | COMPOSITE (m)   |               | 850 U                         | A                     |
| Contour Industries, Inc.                         | Surgoinsville, TN      | 4703          | COMP+CAN (s)    |               | 285 U                         | A                     |
| Contractors Wardrobe                             | Valencia, CA           | 3473          | COMP+CAN (m)    |               | 250 U                         | A                     |
| Flat Glass Distributors                          | Jacksonville, FL       | 3828          | COMPOSITE (m)   |               | 285 U                         | A                     |
| General Glass                                    | Vancouver, WA          | 5750          | COMPOSITE (s)   |               | 195 U                         | A                     |
| GlassFab Tempering Services, Inc.<br>Mariani Ct. | Tracy, CA              | 4894          | COMPOSITE (s)   |               | 125 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Santa Teresa, NM       | 6604          | COMPOSITE (s)   |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Tucson, AZ             | 6579          | COMPOSITE (s)   |               | 175 U                         | A                     |
| Guardian Glass, LLC                              | Richburg, SC           | 1683          | COMPOSITE (m)   |               | 285 U                         | A                     |
| Guardian Glass, LLC                              | Corsicana, TX          | 2458          | COMP+CAN (m)    |               | 175 U                         | A                     |
| Guardian Glass, LLC                              | Kingsburg, CA          | 1303          | COMP+CAN (d)    |               | 125 U                         | A                     |
| Guardian IG LLC                                  | Sun Prairie, WI        | 5644          | COMP+CAN (d)    |               | 150 U                         | A                     |
| Guardian Industries Corp.                        | Galax, VA              | 4612          | COMP+CAN (s)    |               | 285 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.                   | Xiamen, Fujian, China  | 6131          | COMP+CAN (m)    |               | 200 U                         | A                     |
| Intigral                                         | Walton Hills, OH       | 3631          | COMP+CAN (m)    |               | 103 U                         | A                     |
| Kawneer - (Cranberry) an Arconic<br>Company      | Cranberry Township, PA | 4394          | COMPOSITE (s)   |               | 100 U                         | A                     |
| Kohler Company                                   | Union City, TN         | 1983          | COMPOSITE (m)   |               | 165 U                         | A                     |
| Manko Window Systems- KS                         | Manhattan, KS          | 6833          | COMPOSITE (s)   |               | 500 U                         | A                     |
| Manko Windows                                    | Des Moines, IA         | 6292          | COMPOSITE (m)   |               | 500 U                         | A                     |
| Nashville Tempered Glass Corp.                   | Nashville, TN          | 2420          | COMP+CAN (s)    |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Miami, FL              | 3501          | COMP+CAN (s)    |               | 285 U                         | A                     |

***Certified Products-By Product Type***

|                                                                |                            | <u>SGCC #</u> | <u>Standard</u> |     | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|----------------------------|---------------|-----------------|-----|---------------|-------------------------------|-----------------------|
| 1/8 Inch Tempered Patterned Glass                              |                            |               |                 |     |               |                               |                       |
| Oldcastle BuildingEnvelope®                                    | Vancouver, WA              | 3226          | COMP+CAN        | (s) |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Grand Prairie, TX          | 3425          | COMP+CAN        | (s) |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Langley, BC                | 3295          | COMP+CAN        | (m) |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Shawnee, OK                | 3101          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Perrysburg, OH             | 3242          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Phoenix, AZ                | 3134          | COMP+CAN        | (s) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Covington, GA              | 3336          | COMP+CAN        | (s) |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Rock Hill, SC              | 3281          | COMP+CAN        | (s) |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Indianapolis, IN           | 4384          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Denver, CO                 | 3317          | COMP+CAN        | (s) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Tampa, FL                  | 3122          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Moorestown, NJ             | 3186          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO              | 3151          | COMP+CAN        | (s) |               | 500 u                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Fremont, CA                | 3199          | COMP+CAN        | (s) |               | 125 U                         | A                     |
| PF Glass                                                       | Langley, BC                | 3547          | COMP+CAN        | (s) |               | 750 U                         | A                     |
| PGT Industries                                                 | North Venice, FL           | 3880          | COMPOSITE       | (s) |               | 850 U                         | A                     |
| Produits Verrier International Inc.                            | Montreal, Quebec           | 5504          | COMP+CAN        | (s) |               | 450 U                         | A                     |
| Quaker Window Products, Inc.                                   | Freeburg, MO               | 2968          | COMP+CAN        | (m) |               | 150 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                                    | Sweetwater, TN             | 1422          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Simonton Windows                                               | Ellenboro, WV              | 5296          | COMPOSITE       | (s) |               | 850 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China | 6141          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN          | 3061          | COMP+CAN        | (m) |               | 285 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                | 6399          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Thermal Seal Insulating Glass                                  | Uxbridge, MA               | 5730          | COMPOSITE       | (s) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                | 5433          | COMP+CAN        | (s) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL              | 6188          | COMPOSITE       | (s) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                | 5189          | COMPOSITE       | (s) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX             | 5784          | COMPOSITE       | (m) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV              | 4217          | COMPOSITE       | (s) |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Aurora, CO                 | 5347          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5688          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                | 5705          | COMPOSITE       | (s) |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN              | 4207          | COMPOSITE       | (m) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5801          | COMPOSITE       | (s) |               | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 6165          | COMPOSITE       | (m) |               | 285 U                         | A                     |
| United Plate Glass Company of Charlotte                        | Lincolnton, NC             | 3954          | COMP+CAN        | (s) |               | 165 U                         | A                     |
| Vitro Architectural Glass                                      | Barrie, ON                 | 7082          | COMP+CAN        | (m) |               | 800 U                         | A                     |
| Viwinco, Inc.                                                  | Morgantown, PA             | 6803          | COMPOSITE       | (s) |               | 800 U                         | A                     |
| W. A. Wilson Inc.                                              | Wheeling, WV               | 5173          | COMPOSITE       | (d) |               | 200 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products            | Cerritos, CA               | 6088          | COMP+CAN        | (s) |               | 250 U                         | A                     |
| Wisconsin Shower Door & Supply                                 | Menomonee Falls, WI        | 5592          | COMPOSITE       | (s) |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.                                 | Grand Rapids, MI           | 6059          | COMP+CAN        | (m) |               | 200 U                         | A                     |
| 5/32 Inch Tempered Patterned Glass                             |                            |               |                 |     |               |                               |                       |
| AGC Flat Glass North America                                   | Greenland, TN              | 2980          | COMP+CAN        | (m) |               | 285 U                         | A                     |
| Arlene Stained Glass & Door                                    | Houston, TX                | 3585          | COMPOSITE       | (d) |               | 175 U                         | A                     |
| C&C Custom Glass & Tempering, LLC                              | Tulsa, OK                  | 6962          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Cardinal CG                                                    | Northfield, MN             | 2012          | COMP+CAN        | (d) |               | 150 U                         | A                     |
| Cardinal CG                                                    | Waxahachie, TX             | 4047          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Cardinal CG                                                    | Loveland, CO               | 4344          | COMPOSITE       | (d) |               | 500 U                         | A                     |
| Cardinal CG                                                    | Galt, CA                   | 4347          | COMPOSITE       | (d) |               | 125 U                         | A                     |

***Certified Products-By Product Type***

|                                               |                          | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------|--------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>5/32 Inch Tempered Patterned Glass</i>     |                          |               |                 |               |                               |                       |
| Cardinal CG                                   | Tumwater, WA             | 6723          | COMP+CAN        | (d)           | 195 U                         | A                     |
| Cardinal CG                                   | Casa Grande, AZ          | 4104          | COMP+CAN        | (d)           | 250 U                         | A                     |
| Cardinal CT                                   | Easton, PA               | 4760          | COMP+CAN        | (s)           | 100 U                         | A                     |
| Cardinal CT                                   | Adel, GA                 | 5099          | COMP+CAN        | (d)           | 165 U                         | A                     |
| Cardinal CT                                   | Utica, OH                | 4624          | COMP+CAN        | (m)           | 200 U                         | A                     |
| Cardinal CT                                   | Mount Airy, NC           | 4742          | COMP+CAN        | (m)           | 165 U                         | A                     |
| Cardinal CT                                   | Fort Worth, TX           | 7323          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Cardinal CT - S                               | Irving TX                | 7017          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Cardinal IG                                   | Fargo, ND                | 2285          | COMP+CAN        | (m)           | 150 U                         | A                     |
| Cardinal IG                                   | Mountain Top, PA         | 3115          | COMP+CAN        | (s)           | 100 U                         | A                     |
| Cardinal IG                                   | Tomah, WI                | 2322          | COMP+CAN        | (d)           | 600 U                         | A                     |
| Cardinal IG                                   | Spring Green, WI         | 1845          | COMP+CAN        | (m)           | 150 U                         | A                     |
| Cardinal IG                                   | Vinton, VA               | 2924          | COMP+CAN        | (d)           | 100 U                         | A                     |
| Cardinal IG                                   | Waxahachie, TX           | 4091          | COMP+CAN        | (d)           | 175 U                         | A                     |
| Cardinal IG                                   | Buckeye, AZ              | 6525          | COMP+CAN        | (d)           | 125 U                         | A                     |
| Cardinal IG                                   | Hood River, OR           | 4836          | COMP+CAN        | (d)           | 195 U                         | A                     |
| Cardinal IG                                   | Greenfield, IA           | 1842          | COMP+CAN        | (d)           | 500 U                         | A                     |
| Cardinal IG                                   | Fremont, IN              | 2204          | COMP+CAN        | (d)           | 150 U                         | A                     |
| Consolidated Glass Corp.                      | New Castle, PA           | 2355          | COMP+CAN        | (m)           | 285 U                         | A                     |
| Contour Industries, Inc.                      | Surgoinsville, TN        | 4704          | COMP+CAN        | (IN)(s)       | 285 U                         | A                     |
| Contractors Wardrobe                          | Valencia, CA             | 3474          | COMP+CAN        | (d)           | 250 U                         | A                     |
| Flat Glass Group Co., Ltd.                    | Jiaxing, Zhejiang, China | 6898          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd | Nan an Fujian China      | 5217          | COMPOSITE       | (s)           | 285 U                         | A                     |
| GGI Glass Distributors Corp.                  | Secaucus, NJ             | 3970          | COMPOSITE       | (IN)(s)       | 100 U                         | A                     |
| GlassFab Tempering Services, Inc. Mariani Ct. | Tracy, CA                | 5128          | COMPOSITE       | (d)           | 125 U                         | A                     |
| Guardian Glass, LLC                           | Corsicana, TX            | 2459          | COMP+CAN        | (m)           | 175 U                         | A                     |
| Guardian Glass, LLC                           | Richburg, SC             | 1635          | COMPOSITE       | (m)           | 285 U                         | A                     |
| Guardian Glass, LLC                           | Kingsburg, CA            | 1301          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Guardian IG LLC                               | Sun Prairie, WI          | 5645          | COMP+CAN        | (d)           | 150 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.                | Xiamen, Fujian, China    | 6132          | COMP+CAN        | (s)           | 200 U                         | A                     |
| Intigral                                      | Walton Hills, OH         | 4588          | COMP+CAN        | (m)           | 103 U                         | A                     |
| Jiangyin Mingyang Glass Production            | Jiangyin City, Jiangsu   | 6478          | COMPOSITE       | (m)           | 125 U                         | A                     |
| JYC Glass Co. Ltd.                            | Foshan, Guangdong, China | 4161          | COMP+CAN        | (s)           | 125 U                         | A                     |
| Kohler Company                                | Union City, TN           | 3532          | COMPOSITE       | (m)           | 165 U                         | A                     |
| Manko Windows                                 | Des Moines, IA           | 6293          | COMPOSITE       | (m)           | 500 U                         | A                     |
| Nashville Tempered Glass Corp.                | Nashville, TN            | 5785          | COMP+CAN        | (s)           | 285 U                         | A                     |
| Ningbo Xinxin Glass Technology Co., Ltd       | Ningbo, China            | 6273          | COMPOSITE       | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Calgary, AB              | 3273          | COMP+CAN        | (d)           | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Grand Prairie, TX        | 3426          | COMP+CAN        | (m)(IN)       | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Langley, BC              | 3296          | COMP+CAN        | (d)           | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Albertville, MN          | 3112          | COMP+CAN        | (s)           | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Denver, CO               | 3318          | COMP+CAN        | (d)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Moorestown, NJ           | 3187          | COMP+CAN        | (d)           | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Schofield, WI            | 3177          | COMP+CAN        | (d)           | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Shawnee, OK              | 3102          | COMP+CAN        | (m)           | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Indianapolis, IN         | 7019          | COMP+CAN        | (d)           | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Rock Hill, SC            | 4396          | COMP+CAN        | (d)           | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Fremont, CA              | 3200          | COMP+CAN        | (d)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Warrenton, MO            | 3152          | COMP+CAN        | (s)           | 500 U                         | A                     |
| PFG Glass                                     | Langley, BC              | 3548          | COMP+CAN        | (d)           | 750 U                         | A                     |



***Certified Products-By Product Type***

|                                                                |                            | <u>SGCC #</u> | <u>Standard</u> |         | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|----------------------------|---------------|-----------------|---------|---------------|-------------------------------|-----------------------|
| <i>5/32 Inch Tempered Patterned Glass</i>                      |                            |               |                 |         |               |                               |                       |
| Qinhuangdao Ampac Building Products Co., Ltd.                  | Qinhuangdao Hebei, China   | 5902          | COMPOSITE       | (s)     |               | 100 U                         | A                     |
| Quaker Window Products, Inc.                                   | Freeburg, MO               | 2969          | COMP+CAN        | (IN)(m) |               | 150 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                                    | Sweetwater, TN             | 1424          | COMP+CAN        | (s)     |               | 285 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME              | 2967          | COMPOSITE       | (s)     |               | 100 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China | 5067          | COMP+CAN        | (m)     |               | 285 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN          | 5050          | COMP+CAN        | (m)     |               | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China            | 6424          | COMP+CAN        | (s)     |               | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                | 6400          | COMPOSITE       | (d)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN              | 4981          | COMPOSITE       | (d)     |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 6166          | COMPOSITE       | (d)     |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5448          | COMPOSITE       | (d)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5802          | COMPOSITE       | (m)     |               | 750 U                         | A                     |
| U.S. Glass Distributors Inc.                                   | Enfield, CT                | 5917          | COMP+CAN        | (d)     |               | 400 U                         | A                     |
| United Plate Glass Co., Inc.                                   | Butler, PA                 | 6375          | COMP+CAN        | (m)     |               | 800 U                         | A                     |
| United Plate Glass Company of Charlotte                        | Lincolnton, NC             | 4636          | COMPOSITE       | (m)     |               | 165 U                         | A                     |
| Vitro Architectural Glass                                      | Barrie, ON                 | 7083          | COMP+CAN        | (m)     |               | 800 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products            | Cerritos, CA               | 6089          | COMP+CAN        | (m)     |               | 250 U                         | A                     |
| Wolverine Glass Products, Inc.                                 | Grand Rapids, MI           | 6060          | COMP+CAN        | (m)     |               | 200 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.                       | Foshan, Guangdong, China   | 7069          | COMP+CAN        | (d)     |               | 285 U                         | A                     |
| <i>3/16 Inch Tempered Patterned Glass</i>                      |                            |               |                 |         |               |                               |                       |
| AGC Flat Glass North America                                   | Greenland, TN              | 1139          | COMP+CAN        | (s)     |               | 285 U                         | A                     |
| AGC-Poma Glass Co. N.A.                                        | Quakertown, PA             | 3698          | COMPOSITE       | (m)     |               | 800 U                         | A                     |
| All Weather Tempering of Arizona, LLC.                         | Phoenix, AZ                | 6382          | COMPOSITE       | (m)     |               | 125 U                         | A                     |
| American Insulated Glass Inc.                                  | Conley, GA                 | 5289          | COMPOSITE       | (m)     |               | 165 U                         | A                     |
| Amsco Windows                                                  | Salt Lake City, UT         | 2584          | COMPOSITE       | (m)     |               | 750 U                         | A                     |
| Architectural Glass Products, LLC.                             | St. Louis, MO              | 4574          | COMPOSITE       | (s)     |               | 100 U                         | A                     |
| ATI Windows                                                    | Riverside, CA              | 6042          | COMPOSITE       | (m)     |               | 250 U                         | A                     |
| ATN Holding Inc.                                               | Mira Loma, CA              | 6696          | COMPOSITE       | (m)     |               | 250 U                         | A                     |
| Basco Engineered Products                                      | Hamilton, OH               | 4688          | COMPOSITE       | (m)     |               | 200 U                         | A                     |
| Bel Shower Door Corporation                                    | Englewood, CO              | 6474          | COMP+CAN        | (m)     |               | 250 U                         | A                     |
| BVGLAZING SYSTEMS                                              | Concord, ON                | 6139          | COMP+CAN        | (s)     |               | 450 U                         | A                     |
| C&C Custom Glass & Tempering, LLC                              | Tulsa, OK                  | 6861          | COMPOSITE       | (s)     |               | 175 U                         | A                     |
| Cardinal CG                                                    | Tumwater, WA               | 2956          | COMP+CAN        | (m)     |               | 195 U                         | A                     |
| Cardinal CG                                                    | Northfield, MN             | 2013          | COMP+CAN        | (m)     |               | 150 U                         | A                     |
| Cardinal CG                                                    | Galt, CA                   | 3601          | COMPOSITE       | (m)     |               | 125 U                         | A                     |
| Cardinal CG                                                    | Spring Green, WI           | 6802          | COMP+CAN        | (m)     |               | 600 U                         | A                     |
| Cardinal CG                                                    | Loveland, CO               | 4345          | COMPOSITE       | (m)     |               | 500 U                         | A                     |
| Cardinal CG                                                    | Buford, GA                 | 4599          | COMP+CAN        | (s)     |               | 165 U                         | A                     |
| Cardinal CG                                                    | Moreno Valley, CA          | 5336          | COMP+CAN        | (m)     |               | 250 U                         | A                     |
| Cardinal CG                                                    | Waxahachie, TX             | 2705          | COMP+CAN        | (m)     |               | 175 U                         | A                     |
| Cardinal CG                                                    | Casa Grande, AZ            | 4105          | COMP+CAN        | (m)     |               | 250 U                         | A                     |
| Cardinal CT                                                    | Utica, OH                  | 4625          | COMP+CAN        | (m)     |               | 200 U                         | A                     |
| Cardinal CT                                                    | Adel, GA                   | 5100          | COMP+CAN        | (d)     |               | 165 U                         | A                     |
| Cardinal CT                                                    | Easton, PA                 | 6143          | COMP+CAN        | (m)     |               | 100 U                         | A                     |
| Cardinal CT                                                    | Mount Airy, NC             | 4582          | COMP+CAN        | (s)     |               | 165 U                         | A                     |
| Cardinal CT                                                    | Fort Worth, TX             | 7322          | COMPOSITE       | (d)     |               | 175 U                         | A                     |
| Cardinal CT                                                    | Los Angeles, CA            | 5089          | COMP+CAN        | (m)     |               | 250 U                         | A                     |

***Certified Products-By Product Type***

|                                                  |                          | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------------|--------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Patterned Glass</i>        |                          |               |                 |               |                               |                       |
| Cardinal CT - S                                  | Irving TX                | 5106          | COMPOSITE (d)   |               | 175 U                         | A                     |
| Cardinal CT - W                                  | Irving TX                | 5250          | COMPOSITE (m)   |               | 175 U                         | A                     |
| Cardinal IG                                      | Mountain Top, PA         | 3072          | COMP+CAN (m)    |               | 100 U                         | A                     |
| Cardinal IG                                      | Greenfield, IA           | 1843          | COMP+CAN (s)    |               | 500 U                         | A                     |
| Cardinal IG                                      | Fargo, ND                | 2286          | COMP+CAN (s)    |               | 150 U                         | A                     |
| Cardinal IG                                      | Fremont, IN              | 2205          | COMP+CAN (s)    |               | 150 U                         | A                     |
| Cardinal IG                                      | Waxahachie, TX           | 2399          | COMP+CAN (m)    |               | 175 U                         | A                     |
| Cardinal IG                                      | Buckeye, AZ              | 6559          | COMP+CAN (m)    |               | 125 U                         | A                     |
| Cardinal IG                                      | Spring Green, WI         | 5912          | COMP+CAN (s)    |               | 150 U                         | A                     |
| Cardinal IG                                      | Tomah, WI                | 2323          | COMP+CAN (d)    |               | 600 U                         | A                     |
| Cardinal IG                                      | Vinton, VA               | 3619          | COMP+CAN (s)    |               | 100 U                         | A                     |
| Cardinal IG                                      | Hood River, OR           | 2859          | COMP+CAN (m)    |               | 195 U                         | A                     |
| Consolidated Glass Corp.                         | New Castle, PA           | 2354          | COMP+CAN (m)    |               | 285 U                         | A                     |
| Contour Industries, Inc.                         | Surgoinsville, TN        | 4705          | COMP+CAN (s)    |               | 285 U                         | A                     |
| Contractors Wardrobe                             | Valencia, CA             | 3475          | COMP+CAN (m)    |               | 250 U                         | A                     |
| Coral Industries Glass Division                  | Tuscaloosa, AL           | 1964          | COMPOSITE (d)   |               | 165 U                         | A                     |
| Crystal Tempering, Inc.                          | Debary, FL               | 6214          | COMPOSITE (m)   |               | 850 U                         | A                     |
| Downey Glass Industries, LLC                     | Pompano Beach, FL        | 3487          | COMPOSITE (s)   |               | 285 U                         | A                     |
| Echols Glass and Mirror, Inc.                    | Buford, GA               | 6318          | COMPOSITE (m)   |               | 165 U                         | A                     |
| EFCO Corporation                                 | Monett, MO               | 2143          | COMPOSITE (s)   |               | 175 U                         | A                     |
| Flat Glass Distributors                          | Jacksonville, FL         | 3830          | COMPOSITE (m)   |               | 285 U                         | A                     |
| Fountain Glass Inc.                              | Lenexa, KS               | 7102          | COMPOSITE (m)   |               | 150 U                         | A                     |
| General Glass                                    | Vancouver, WA            | 5748          | COMPOSITE (m)   |               | 195 U                         | A                     |
| GGI Glass Distributors Corp.                     | Secaucus, NJ             | 3971          | COMPOSITE (m)   |               | 100 U                         | A                     |
| GlassFab Tempering Services, Inc.<br>Mariani Ct. | Tracy, CA                | 4895          | COMPOSITE (m)   |               | 125 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Englewood, CO            | 2193          | COMPOSITE (m)   |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Phoenix, AZ              | 6587          | COMPOSITE (m)   |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Boise, ID                | 6713          | COMPOSITE (m)   |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Albuquerque, NM          | 6595          | COMPOSITE (m)   |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Tucson, AZ               | 6580          | COMPOSITE (m)   |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Santa Teresa, NM         | 6605          | COMPOSITE (m)   |               | 175 U                         | A                     |
| Guardian Glass, LLC                              | Kingsburg, CA            | 1304          | COMP+CAN (m)    |               | 125 U                         | A                     |
| Guardian Glass, LLC                              | Richburg, SC             | 1865          | COMPOSITE (m)   |               | 285 U                         | A                     |
| Guardian Glass, LLC                              | Corsicana, TX            | 2460          | COMP+CAN (m)    |               | 175 U                         | A                     |
| Guardian IG LLC                                  | Sun Prairie, WI          | 5646          | COMP+CAN (d)    |               | 150 U                         | A                     |
| Guardian Industries Corp.                        | Galax, VA                | 4613          | COMP+CAN (m)    |               | 285 U                         | A                     |
| Integrity Glass Tempering, LLC.                  | Venice, FL               | 7097          | COMPOSITE (m)   |               | 285 U                         | A                     |
| Jiangyin Mingyang Glass Production               | Jiangyin City, Jiangsu   | 6479          | COMPOSITE (m)   |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                               | Foshan, Guangdong, China | 6621          | COMP+CAN (s)    |               | 125 U                         | A                     |
| Kawneer - (Cranberry) an Arconic<br>Company      | Cranberry Township, PA   | 4395          | COMPOSITE (s)   |               | 100 U                         | A                     |
| Kohler Company                                   | Union City, TN           | 1984          | COMPOSITE (s)   |               | 165 U                         | A                     |
| Manko Window Systems- KS                         | Manhattan, KS            | 6834          | COMPOSITE (m)   |               | 500 U                         | A                     |
| Manko Windows                                    | Des Moines, IA           | 6294          | COMPOSITE (d)   |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.                   | Highland, MI             | 6035          | COMP+CAN (m)    |               | 200 U                         | A                     |
| Nashville Tempered Glass Corp.                   | Nashville, TN            | 2417          | COMP+CAN (s)    |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Shawnee, OK              | 3103          | COMP+CAN (m)    |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Calgary, AB              | 3274          | COMP+CAN (d)    |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Concord, ON              | 4424          | COMP+CAN (s)    |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Schofield, WI            | 3178          | COMP+CAN (d)    |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Tampa, FL                | 3124          | COMP+CAN (m)    |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Albertville, MN          | 3113          | COMP+CAN (s)    |               | 150 U                         | A                     |

**Certified Products-By Product Type**

|                                                                |                            | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Patterned Glass</i>                      |                            |               |                 |               |                               |                       |
| Oldcastle BuildingEnvelope®                                    | Grand Prairie, TX          | 3427          | COMP+CAN        | (s)           | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Indianapolis, IN           | 2215          | COMP+CAN        | (s)           | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Houston, TX                | 3164          | COMP+CAN        | (m)           | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Los Angeles, CA            | 935           | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Miami, FL                  | 3502          | COMP+CAN        | (m)           | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Vancouver, WA              | 3228          | COMP+CAN        | (m)           | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Covington, GA              | 3338          | COMP+CAN        | (m)           | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Hauppauge, NY              | 3492          | COMP+CAN        | (d)           | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Perrysburg, OH             | 3243          | COMP+CAN        | (s)           | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Moorestown, NJ             | 3188          | COMP+CAN        | (m)           | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Rock Hill, SC              | 3283          | COMP+CAN        | (d)           | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Phoenix, AZ                | 3136          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Langley, BC                | 3297          | COMP+CAN        | (d)           | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Denver, CO                 | 3319          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Fremont, CA                | 3201          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO              | 3153          | COMP+CAN        | (m)           | 500 U                         | A                     |
| PFG Glass                                                      | Langley, BC                | 3549          | COMP+CAN        | (m)           | 750 U                         | A                     |
| PGT Industries                                                 | North Venice, FL           | 3881          | COMPOSITE       | (s)           | 850 U                         | A                     |
| Produits Verrier International Inc.                            | Montreal, Quebec           | 5505          | COMP+CAN        | (s)           | 450 U                         | A                     |
| Qinhuangdao Ampac Building Products Co., Ltd.                  | Qinhuangdao Hebei, China   | 5903          | COMPOSITE       | (s)           | 100 U                         | A                     |
| Quaker Window Products, Inc.                                   | Freeburg, MO               | 3486          | COMP+CAN        | (m)           | 150 U                         | A                     |
| Quality Enclosures                                             | Central Islip, NY          | 6444          | COMP+CAN        | (s)           | 100 U                         | A                     |
| Quality Enclosures Tempering, Inc.                             | Port Orange, FL            | 6247          | COMPOSITE       | (m)           | 165 U                         | A                     |
| Shape Products LLC.                                            | Sarasota, FL               | 6507          | COMPOSITE       | (s)           | 285 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME              | 3028          | COMPOSITE       | (m)           | 100 U                         | A                     |
| Solar Seal Massachusetts                                       | South Easton, MA           | 1939          | COMPOSITE       | (s)           | 800 U                         | A                     |
| Solar Seal Virginia                                            | Stafford, VA               | 6328          | COMPOSITE       | (s)           | 100 U                         | A                     |
| Sunfire Glass, Inc.                                            | Medley, FL                 | 7038          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China | 5488          | COMP+CAN        | (m)           | 285 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN          | 2550          | COMP+CAN        | (m)           | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China            | 6425          | COMP+CAN        | (s)           | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                | 6401          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Tristar Glass, Inc.                                            | Catoosa, OK                | 4011          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Lithia Springs, GA         | 6113          | COMP+CAN        | (m)           | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Youngsville, NC            | 5279          | COMPOSITE       | (m)           | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                | 5190          | COMPOSITE       | (m)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV              | 4219          | COMPOSITE       | (m)           | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX             | 5404          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 6167          | COMPOSITE       | (m)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5449          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN              | 4160          | COMPOSITE       | (d)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL              | 6189          | COMPOSITE       | (d)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Salt Lake City, UT         | 6006          | COMPOSITE       | (m)           | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Indianapolis, IN           | 4750          | COMPOSITE       | (s)           | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Aurora, CO                 | 5349          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | San Antonio, TX            | 4342          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                | 3931          | COMP+CAN        | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                | 5706          | COMPOSITE       | (m)           | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5803          | COMPOSITE       | (m)           | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Cheswick, PA               | 1790          | COMPOSITE       | (s)           | 103 U                         | A                     |
| U.S. Glass Distributors Inc.                                   | Enfield, CT                | 5918          | COMP+CAN        | (m)           | 400 U                         | A                     |

***Certified Products-By Product Type***

|                                                     |                          | <u>SGCC #</u> | <u>Standard</u> |         | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------|--------------------------|---------------|-----------------|---------|---------------|-------------------------------|-----------------------|
| <i>3/16 Inch Tempered Patterned Glass</i>           |                          |               |                 |         |               |                               |                       |
| United Plate Glass Company of Charlotte             | Lincolnton, NC           | 3955          | COMP+CAN        | (s)     |               | 165 U                         | A                     |
| W. A. Wilson Inc.                                   | Wheeling, WV             | 4175          | COMPOSITE       | (d)     |               | 200 U                         | A                     |
| W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA             | 6090          | COMP+CAN        | (d)     |               | 250 U                         | A                     |
| Wisconsin Shower Door & Supply                      | Menomonee Falls, WI      | 5594          | COMPOSITE       | (s)     |               | 600 U                         | A                     |
| WSD Glass, Inc.                                     | Winston-Salem, NC        | 4051          | COMPOSITE       | (s)     |               | 165 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.            | Foshan, Guangdong, China | 6878          | COMP+CAN        | (m)     |               | 285 U                         | A                     |
| <i>1/4 Inch Tempered Patterned Glass</i>            |                          |               |                 |         |               |                               |                       |
| American Shower Door                                | Los Angeles, CA          | 3042          | COMPOSITE       | (m)     |               | 250 U                         | A                     |
| Basco Engineered Products                           | Hamilton, OH             | 4689          | COMPOSITE       | (s)     |               | 200 U                         | A                     |
| Cardinal CG                                         | Loveland, CO             | 5720          | COMPOSITE       | (d)     |               | 500 U                         | A                     |
| Cardinal CT                                         | Adel, GA                 | 6174          | COMP+CAN        | (s)     |               | 165 U                         | A                     |
| Cardinal IG                                         | Ocala, FL                | 4587          | COMPOSITE       | (s)     |               | 850 U                         | A                     |
| Consolidated Glass Corp.                            | New Castle, PA           | 4714          | COMP+CAN        | (m)     |               | 285 U                         | A                     |
| Contractors Wardrobe                                | Valencia, CA             | 3476          | COMP+CAN        | (m)     |               | 250 U                         | A                     |
| Coral Industries Glass Division                     | Tuscaloosa, AL           | 2944          | COMPOSITE       | (d)     |               | 165 U                         | A                     |
| Crystal Tempering, Inc.                             | Debar, FL                | 6215          | COMPOSITE       | (s)     |               | 850 U                         | A                     |
| Denver Glass Interiors, Inc.                        | Englewood, CO            | 4507          | COMPOSITE       | (m)     |               | 175 U                         | A                     |
| Flat Glass Distributors                             | Jacksonville, FL         | 3831          | COMPOSITE       | (s)     |               | 285 U                         | A                     |
| Fountain Glass Inc.                                 | Lenexa, KS               | 7100          | COMPOSITE       | (s)     |               | 150 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd       | Nan an Fujian China      | 5218          | COMPOSITE       | (s)     |               | 285 U                         | A                     |
| GGI Glass Distributors Corp.                        | Secaucus, NJ             | 3972          | COMPOSITE       | (m)     |               | 100 U                         | A                     |
| GlassFab Tempering Services, Inc. Mariani Ct.       | Tracy, CA                | 4896          | COMPOSITE       | (m)     |               | 125 U                         | A                     |
| Guardian Glass, LLC                                 | Kingsburg, CA            | 1882          | COMP+CAN        | (m)     |               | 125 U                         | A                     |
| Guardian Glass, LLC                                 | Corsicana, TX            | 5142          | COMP+CAN        | (m)     |               | 175 U                         | A                     |
| Guardian Glass, LLC                                 | Richburg, SC             | 3002          | COMPOSITE       | (m)     |               | 285 U                         | A                     |
| Guardian IG LLC                                     | Sun Prairie, WI          | 5647          | COMP+CAN        | (d)     |               | 150 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.                      | Xiamen, Fujian, China    | 6133          | COMP+CAN        | (s)     |               | 200 U                         | A                     |
| Jiangyin Haitong Glass Technology CO., LTD          | Jiangyin, Jiangsu        | 7163          | COMPOSITE       | (s)     |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                                  | Foshan, Guangdong, China | 6622          | COMP+CAN        | (s)     |               | 125 U                         | A                     |
| Kohler Company                                      | Union City, TN           | 2918          | COMPOSITE       | (IN)(m) |               | 165 U                         | A                     |
| Manko Window Systems- KS                            | Manhattan, KS            | 6835          | COMPOSITE       | (m)     |               | 500 U                         | A                     |
| Manko Windows                                       | Des Moines, IA           | 6295          | COMPOSITE       | (m)     |               | 500 U                         | A                     |
| McGrory Glass                                       | Paulsboro, NJ            | 4818          | COMPOSITE       | (m)     |               | 100 U                         | A                     |
| Mercer Glass Fab LLC                                | Trenton, NJ              | 4257          | COMPOSITE       | (m)     |               | 100 U                         | A                     |
| Midwest Glass Fabricators Inc.                      | Highland, MI             | 6036          | COMP+CAN        | (s)     |               | 200 U                         | A                     |
| Ningbo Xinxin Glass Technology Co., Ltd             | Ningbo, China            | 6274          | COMPOSITE       | (s)     |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Vancouver, WA            | 3229          | COMP+CAN        | (m)     |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Perrysburg, OH           | 3244          | COMP+CAN        | (m)     |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Albertville, MN          | 3561          | COMP+CAN        | (s)     |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Moorestown, NJ           | 3189          | COMP+CAN        | (m)     |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Phoenix, AZ              | 3999          | COMP+CAN        | (m)     |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Schofield, WI            | 3179          | COMP+CAN        | (d)     |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Tampa, FL                | 3125          | COMP+CAN        | (m)     |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Covington, GA            | 3339          | COMP+CAN        | (m)     |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Calgary, AB              | 3275          | COMP+CAN        | (m)     |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Denver, CO               | 3320          | COMP+CAN        | (m)     |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Indianapolis, IN         | 5442          | COMP+CAN        | (d)     |               | 150 U                         | A                     |

***Certified Products-By Product Type***

|                                                                |                            | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>1/4 Inch Tempered Patterned Glass</i>                       |                            |               |                 |               |                               |                       |
| Oldcastle BuildingEnvelope®                                    | Rock Hill, SC              | 3284          | COMP+CAN        | (d)           | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Los Angeles, CA            | 4133          | COMP+CAN        | (s)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Miami, FL                  | 4477          | COMP+CAN        | (d)           | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Fremont, CA                | 3907          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO              | 3154          | COMP+CAN        | (m)           | 500 U                         | A                     |
| PFG Glass                                                      | Langley, BC                | 3711          | COMP+CAN        | (m)           | 750 U                         | A                     |
| Quaker Window Products, Inc.                                   | Freeburg, MO               | 2970          | COMP+CAN        | (IN)(m)       | 150 U                         | A                     |
| Quality Enclosures                                             | Central Islip, NY          | 6445          | COMP+CAN        | (m)           | 100 U                         | A                     |
| Quality Enclosures Tempering, Inc.                             | Port Orange, FL            | 6248          | COMPOSITE       | (s)           | 165 U                         | A                     |
| Skyline Design                                                 | Chicago, IL                | 6347          | COMP+CAN        | (s)           | 600 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                            | Dongguan, Guangdong, China | 5068          | COMP+CAN        | (m)           | 285 U                         | A                     |
| Techni-Glass, Inc.                                             | Surgoinsville, TN          | 3060          | COMP+CAN        | (m)           | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China            | 6426          | COMP+CAN        | (s)           | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                | 6402          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Salt Lake City, UT         | 6007          | COMPOSITE       | (m)           | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 6168          | COMPOSITE       | (m)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV              | 4220          | COMPOSITE       | (m)           | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                | 6759          | COMPOSITE       | (s)           | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5804          | COMPOSITE       | (m)           | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                | 5191          | COMPOSITE       | (m)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Lithia Springs, GA         | 6114          | COMP+CAN        | (IN)(m)       | 165 U                         | A                     |
| Wisconsin Shower Door & Supply                                 | Menomonee Falls, WI        | 5595          | COMPOSITE       | (m)           | 600 U                         | A                     |
| <i>3/8 Inch Tempered Patterned Glass</i>                       |                            |               |                 |               |                               |                       |
| American Shower Door                                           | Los Angeles, CA            | 3043          | COMPOSITE       | (m)           | 250 U                         | A                     |
| Basco Engineered Products                                      | Hamilton, OH               | 5203          | COMPOSITE       | (m)           | 200 U                         | A                     |
| C&C Custom Glass & Tempering, LLC                              | Tulsa, OK                  | 6862          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Cardinal CT                                                    | Adel, GA                   | 6516          | COMP+CAN        | (s)           | 165 U                         | A                     |
| Consolidated Glass Corp.                                       | New Castle, PA             | 4785          | COMP+CAN        | (s)           | 285 U                         | A                     |
| Contractors Wardrobe                                           | Valencia, CA               | 3477          | COMP+CAN        | (s)           | 250 U                         | A                     |
| Coral Industries Glass Division                                | Tuscaloosa, AL             | 2945          | COMPOSITE       | (d)           | 165 U                         | A                     |
| Crystal Tempering, Inc.                                        | Debarry, FL                | 6216          | COMPOSITE       | (s)           | 850 U                         | A                     |
| D3 Glass, LLC                                                  | Fort Myers, FL             | 6512          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Denver Glass Interiors, Inc.                                   | Englewood, CO              | 4508          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Downey Glass Industries, LLC                                   | Pompano Beach, FL          | 4626          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Echols Glass and Mirror, Inc.                                  | Buford, GA                 | 6319          | COMPOSITE       | (s)           | 165 U                         | A                     |
| Flat Glass Distributors                                        | Jacksonville, FL           | 4638          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Fountain Glass Inc.                                            | Lenexa, KS                 | 7103          | COMPOSITE       | (s)           | 150 U                         | A                     |
| GGI Glass Distributors Corp.                                   | Secaucus, NJ               | 3973          | COMPOSITE       | (s)           | 100 U                         | A                     |
| GlassFab Tempering Services, Inc.<br>Mariani Ct.               | Tracy, CA                  | 4897          | COMPOSITE       | (s)           | 125 U                         | A                     |
| Glaz-Tech Industries, Inc.                                     | Phoenix, AZ                | 6588          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                     | Tucson, AZ                 | 6581          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                     | Albuquerque, NM            | 6593          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                     | Santa Teresa, NM           | 6606          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                     | Boise, ID                  | 6612          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Guardian Glass, LLC                                            | Corsicana, TX              | 5133          | COMP+CAN        | (m)           | 175 U                         | A                     |
| Guardian Glass, LLC                                            | Richburg, SC               | 3003          | COMPOSITE       | (m)           | 285 U                         | A                     |
| Guardian Industries Corp.                                      | Galax, VA                  | 4627          | COMP+CAN        | (s)           | 285 U                         | A                     |
| Interglass Corp                                                | Miami, FL                  | 5027          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Manko Window Systems- KS                                       | Manhattan, KS              | 6836          | COMPOSITE       | (m)           | 500 U                         | A                     |
| Manko Windows                                                  | Des Moines, IA             | 6296          | COMPOSITE       | (m)           | 500 U                         | A                     |

***Certified Products-By Product Type***

|                                                                |                     | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------------|---------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <i>3/8 Inch Tempered Patterned Glass</i>                       |                     |               |                 |               |                               |                       |
| McGrory Glass                                                  | Paulsboro, NJ       | 4819          | COMPOSITE       | (s)           | 100 U                         | A                     |
| Mercer Glass Fab LLC                                           | Trenton, NJ         | 4258          | COMPOSITE       | (m)           | 100 U                         | A                     |
| Midwest Glass Fabricators Inc.                                 | Highland, MI        | 6037          | COMP+CAN        | (m)           | 200 U                         | A                     |
| Ningbo Xinxin Glass Technology Co., Ltd                        | Ningbo, China       | 6845          | COMPOSITE       | (s)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Los Angeles, CA     | 3793          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Calgary, AB         | 3262          | COMP+CAN        | (d)           | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Miami, FL           | 3503          | COMP+CAN        | (s)           | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Houston, TX         | 3166          | COMP+CAN        | (s)           | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Vancouver, WA       | 3230          | COMP+CAN        | (m)           | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Langley, BC         | 4710          | COMP+CAN        | (s)           | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Indianapolis, IN    | 3259          | COMP+CAN        | (s)           | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Denver, CO          | 3321          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Tampa, FL           | 4340          | COMP+CAN        | (s)           | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Albertville, MN     | 3127          | COMP+CAN        | (m)           | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Grand Prairie, TX   | 3428          | COMP+CAN        | (s)           | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Covington, GA       | 3340          | COMP+CAN        | (s)           | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Rock Hill, SC       | 3285          | COMP+CAN        | (d)           | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Moorestown, NJ      | 3190          | COMP+CAN        | (s)           | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Phoenix, AZ         | 3729          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Concord, ON         | 3448          | COMP+CAN        | (s)           | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Fremont, CA         | 3203          | COMP+CAN        | (m)           | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO       | 3155          | COMP+CAN        | (d)           | 500 U                         | A                     |
| Quality Enclosures                                             | Central Islip, NY   | 6446          | COMP+CAN        | (m)           | 100 U                         | A                     |
| Quality Enclosures Tempering, Inc.                             | Port Orange, FL     | 6249          | COMPOSITE       | (s)           | 165 U                         | A                     |
| Shape Products LLC.                                            | Sarasota, FL        | 6947          | COMPOSITE       | (s)           | 285 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME       | 4206          | COMPOSITE       | (s)           | 100 U                         | A                     |
| South Bay Showers, Inc.                                        | Santa Clara, CA     | 7254          | COMPOSITE       | (s)           | 125 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                | Tengzhou, China     | 6427          | COMP+CAN        | (s)           | 250 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX         | 6403          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Troy Systems LLC                                               | Manassas, VA        | 5123          | COMPOSITE       | (s)           | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN       | 5134          | COMPOSITE       | (m)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV       | 4221          | COMPOSITE       | (s)           | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ         | 5747          | COMPOSITE       | (m)           | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Salt Lake City, UT  | 6008          | COMPOSITE       | (s)           | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Cheswick, PA        | 4453          | COMPOSITE       | (s)           | 103 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA         | 5805          | COMPOSITE       | (s)           | 750 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL         | 5192          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH        | 6169          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Youngsville, NC     | 6187          | COMPOSITE       | (s)           | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Lithia Springs, GA  | 6115          | COMP+CAN        | (s)           | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL       | 6190          | COMPOSITE       | (s)           | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Aurora, CO          | 5350          | COMPOSITE       | (s)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX      | 5405          | COMPOSITE       | (m)           | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK           | 5451          | COMPOSITE       | (s)           | 175 U                         | A                     |
| U.S. Glass Distributors Inc.                                   | Enfield, CT         | 5920          | COMP+CAN        | (s) (IN)      | 400 U                         | A                     |
| W. A. Wilson Inc.                                              | Wheeling, WV        | 4176          | COMPOSITE       | (s)           | 200 U                         | A                     |
| Wisconsin Shower Door & Supply                                 | Menomonee Falls, WI | 5596          | COMPOSITE       | (m)           | 600 U                         | A                     |
| <i>1/2 Inch Tempered Patterned Glass</i>                       |                     |               |                 |               |                               |                       |
| GGI Glass Distributors Corp.                                   | Secaucus, NJ        | 3974          | COMPOSITE       | (IN)(s)       | 100 U                         | A                     |
| McGrory Glass                                                  | Paulsboro, NJ       | 4820          | COMPOSITE       | (IN)(s)       | 100 U                         | A                     |

**Certified Products-By Product Type**

|                                                                                                   |                                 | <u>SGCC #</u> | <u>Standard</u> |        | <u>Lab ID</u> | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|---------------------------------------------------------------------------------------------------|---------------------------------|---------------|-----------------|--------|---------------|-------------------------------|-----------------------|
| <i>1/2 Inch Tempered Patterned Glass</i>                                                          |                                 |               |                 |        |               |                               |                       |
| Skyline Design                                                                                    | Chicago, IL                     | 6350          | COMP+CAN        | (s)    |               | 600 U                         | A                     |
| Wisconsin Shower Door & Supply                                                                    | Menomonee Falls, WI             | 5597          | COMPOSITE       | (m)    |               | 600 U                         | A                     |
| <b><u>Tempered Bent Patterned Glass</u></b>                                                       |                                 |               |                 |        |               |                               |                       |
| <i>3/16 Inch Tempered Bent Patterned Glass</i>                                                    |                                 |               |                 |        |               |                               |                       |
| JYC Glass Co. Ltd.                                                                                | Foshan, Guangdong, China        | 6619          | COMP+CAN        | (s)    |               | 125 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                                                               | Dongguan, Guangdong, China      | 6054          | COMP+CAN        | (s)    |               | 285 U                         | A                     |
| <i>1/4 Inch Tempered Bent Patterned Glass</i>                                                     |                                 |               |                 |        |               |                               |                       |
| JYC Glass Co. Ltd.                                                                                | Foshan, Guangdong, China        | 6620          | COMP+CAN        | (s)    |               | 125 U                         | A                     |
| <i>6 mm Tempered Bent Patterned Glass (Conforms to thickness tolerance other than ASTM C1036)</i> |                                 |               |                 |        |               |                               |                       |
| Bendheim Wall Systems                                                                             | Wunsiedel-Holenbrunn, Germany   | 5145          | COMPOSITE       | (s)(2) |               | 100 20x76                     | A                     |
| <i>7 mm Tempered Bent Patterned Glass (Conforms to thickness tolerance other than ASTM C1036)</i> |                                 |               |                 |        |               |                               |                       |
| Bendheim Wall Systems                                                                             | Wunsiedel-Holenbrunn, Germany   | 5144          | COMPOSITE       | (s)(2) |               | 100 16x76                     | A                     |
| <b><u>Tempered Bent Glass</u></b>                                                                 |                                 |               |                 |        |               |                               |                       |
| <i>5/32 Inch Tempered Bent Glass</i>                                                              |                                 |               |                 |        |               |                               |                       |
| Anthony International                                                                             | Madison, GA                     | 6099          | COMPOSITE       |        |               | 165 U                         | A                     |
| JYC Glass Co. Ltd.                                                                                | Foshan, Guangdong, China        | 3991          | COMP+CAN        |        |               | 125 U                         | A                     |
| Valentini Glass & Components srl                                                                  | Brescia, Italy                  | 4246          | COMPOSITE       |        |               | 400 U                         | A                     |
| <i>3/16 Inch Tempered Bent Glass</i>                                                              |                                 |               |                 |        |               |                               |                       |
| Anthony International                                                                             | Madison, GA                     | 2306          | COMPOSITE       |        |               | 165 U                         | A                     |
| Foshan YC Glass Co., Ltd.                                                                         | Guangdong, China                | 6819          | COMPOSITE       |        |               | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd                                                     | Nan an Fujian China             | 7026          | COMPOSITE       |        |               | 285 U                         | A                     |
| JYC Glass Co. Ltd.                                                                                | Foshan, Guangdong, China        | 3992          | COMP+CAN        |        |               | 125 U                         | A                     |
| Paragon Tempered Glass                                                                            | Antwerp, OH                     | 5242          | COMPOSITE       |        |               | 500 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                                                               | Dongguan, Guangdong, China      | 6053          | COMP+CAN        |        |               | 285 U                         | A                     |
| Yao Xiang Glass Product Co. Ltd.                                                                  | Foshan, Guangdong, China        | 3742          | COMP+CAN        |        |               | 285 U                         | A                     |
| Yitian (Cattis) Glass Product Co., Ltd                                                            | Foshan, Guangdong, China        | 6456          | COMP+CAN        |        |               | 125 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.                                                          | Foshan, Guangdong, China        | 7066          | COMP+CAN        |        |               | 285 U                         | A                     |
| <i>1/4 Inch Tempered Bent Glass</i>                                                               |                                 |               |                 |        |               |                               |                       |
| Anthony International                                                                             | Madison, GA                     | 2307          | COMPOSITE       |        |               | 165 U                         | A                     |
| Deyao Glass Products (Zhongshan) Co., LTD                                                         | Zhongshan City, Guang dong      | 6968          | COMPOSITE       |        |               | 285 U                         | A                     |
| Dlubak Corporation                                                                                | Blairsville, PA                 | 5965          | COMPOSITE       |        |               | 100 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass                                                               | Foshan City, Guangdong Province | 6123          | COMP+CAN        |        |               | 125 U                         | A                     |
| Foshan YC Glass Co., Ltd.                                                                         | Guangdong, China                | 6821          | COMPOSITE       |        |               | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd                                                     | Nan an Fujian China             | 7027          | COMPOSITE       |        |               | 285 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                           | Guangdong, China                | 5052          | COMP+CAN        |        |               | 125 U                         | A                     |
| JYC Glass Co. Ltd.                                                                                | Foshan, Guangdong, China        | 3993          | COMP+CAN        |        |               | 125 U                         | A                     |
| Paragon Tempered Glass                                                                            | Antwerp, OH                     | 4811          | COMPOSITE       |        |               | 500 U                         | A                     |
| Precision Glass Bending Corporation                                                               | Greenwood, AR                   | 7149          | COMP+CAN        |        |               | 285 U                         | A                     |
| Premier Glass Products                                                                            | Atlanta, GA                     | 7059          | COMP+CAN        |        |               | 165 34x56                     | A                     |
| Sfera SRL                                                                                         | Meolo (VE), Italy               | 6079          | COMP+CAN        |        |               | 400 U                         | A                     |
| SG Glass Industries L.L.C.                                                                        | Miami Gardens, FL               | 6357          | COMP+CAN        |        |               | 285 U                         | A                     |
| Standard Bent Glass                                                                               | East Butler, PA                 | 6153          | COMP+CAN        |        |               | 103 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                                                               | Dongguan, Guangdong, China      | 6055          | COMP+CAN        |        |               | 285 U                         | A                     |
| Valentini Glass & Components srl                                                                  | Brescia, Italy                  | 2898          | COMPOSITE       |        |               | 400 U                         | A                     |

**Certified Products-By Product Type**

|                                                                                         |                                          | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u>     | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------------------------------------------|------------------------------------------|---------------|-----------------|-------------------|-------------------------------|-----------------------|
| <b>1/4 Inch Tempered Bent Glass</b>                                                     |                                          |               |                 |                   |                               |                       |
| Yao Xiang Glass Product Co. Ltd.                                                        | Foshan, Guangdong, China                 | 3743          | COMP+CAN        |                   | 285 U                         | A                     |
| Yitian (Cattis) Glass Product Co., Ltd                                                  | Foshan, Guangdong, China                 | 6457          | COMP+CAN        |                   | 125 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.                                                | Foshan, Guangdong, China                 | 5894          | COMP+CAN        |                   | 285 U                         | A                     |
| <b>6 mm Tempered Bent Glass (Conforms to thickness tolerance other than ASTM C1036)</b> |                                          |               |                 |                   |                               |                       |
| Bendheim Wall Systems                                                                   | Wunsiedel-Holenbrunn, Germany            | 2570          | COMPOSITE       | (2)               | 100 20x76                     | A                     |
| <b>7 mm Tempered Bent Glass (Conforms to thickness tolerance other than ASTM C1036)</b> |                                          |               |                 |                   |                               |                       |
| Bendheim Wall Systems                                                                   | Wunsiedel-Holenbrunn, Germany            | 2569          | COMPOSITE       | (2)               | 100 16x76                     | A                     |
| <b>5/16 Inch Tempered Bent Glass</b>                                                    |                                          |               |                 |                   |                               |                       |
| Deyao Glass Products (Zhongshan) Co., LTD                                               | Zhongshan City, Guang dong               | 6969          | COMPOSITE       |                   | 285 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass                                                     | Foshan City, Guangdong Province          | 6124          | COMP+CAN        |                   | 125 U                         | A                     |
| Foshan YC Glass Co., Ltd.                                                               | Guangdong, China                         | 6823          | COMPOSITE       |                   | 125 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                 | Guangdong, China                         | 5053          | COMP+CAN        |                   | 125 U                         | A                     |
| JYC Glass Co. Ltd.                                                                      | Foshan, Guangdong, China                 | 3994          | COMP+CAN        |                   | 125 U                         | A                     |
| Standard Bent Glass                                                                     | East Butler, PA                          | 6154          | COMP+CAN        |                   | 103 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                                                     | Dongguan, Guangdong, China               | 6142          | COMP+CAN        |                   | 285 U                         | A                     |
| Yitian (Cattis) Glass Product Co., Ltd                                                  | Foshan, Guangdong, China                 | 6458          | COMP+CAN        |                   | 125 U                         | A                     |
| Yong Feng Tai Foshan City Glas Co., LTD.                                                | Foshan, Guangdong, China                 | 6879          | COMP+CAN        |                   | 285 U                         | A                     |
| Zhongshan Fuan Glass Co., Ltd.                                                          | Zhongshan, Guangdong                     | 6658          | COMPOSITE       |                   | 125 U                         | A                     |
| <b>3/8 Inch Tempered Bent Glass</b>                                                     |                                          |               |                 |                   |                               |                       |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                 | Guangdong, China                         | 5054          | COMP+CAN        |                   | 125 U                         | A                     |
| Precision Glass Bending Corporation                                                     | Greenwood, AR                            | 7150          | COMP+CAN        |                   | 285 U                         | A                     |
| Premier Glass Products                                                                  | Atlanta, GA                              | 7060          | COMP+CAN        |                   | 165 34x56                     | A                     |
| SG Glass Industries L.L.C.                                                              | Miami Gardens, FL                        | 6358          | COMP+CAN        |                   | 285 U                         | A                     |
| Standard Bent Glass                                                                     | East Butler, PA                          | 6155          | COMP+CAN        |                   | 103 U                         | A                     |
| <b>1/2 Inch Tempered Bent Glass</b>                                                     |                                          |               |                 |                   |                               |                       |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                 | Guangdong, China                         | 5055          | COMP+CAN        |                   | 125 U                         | A                     |
| Precision Glass Bending Corporation                                                     | Greenwood, AR                            | 7151          | COMP+CAN        |                   | 285 U                         | A                     |
| Premier Glass Products                                                                  | Atlanta, GA                              | 7061          | COMP+CAN        |                   | 165 34x56                     | A                     |
| SG Glass Industries L.L.C.                                                              | Miami Gardens, FL                        | 7111          | COMP+CAN        |                   | 285 U                         | A                     |
| Standard Bent Glass                                                                     | East Butler, PA                          | 6156          | COMP+CAN        |                   | 103 U                         | A                     |
| <b>5/8 Inch Tempered Bent Glass</b>                                                     |                                          |               |                 |                   |                               |                       |
| Precision Glass Bending Corporation                                                     | Greenwood, AR                            | 7152          | COMP+CAN        |                   | 285 U                         | A                     |
| <b>3/4 Inch Tempered Bent Glass</b>                                                     |                                          |               |                 |                   |                               |                       |
| Precision Glass Bending Corporation                                                     | Greenwood, AR                            | 7153          | COMP+CAN        |                   | 285 U                         | A                     |
| <b><u>Safety Plastic Sheet</u></b>                                                      |                                          |               |                 |                   |                               |                       |
| <b>mm Safety Plastic Sheet (Conforms to thickness tolerance other than ASTM C1036)</b>  |                                          |               |                 |                   |                               |                       |
| Qianse Acrylic Co., LTD.                                                                | Dongguan City, Guangdong Province, China | 7247          | ANSI ONLY       |                   | 850 U                         | A                     |
| <b><u>Laminated Transparent Glass</u></b>                                               |                                          |               |                 |                   |                               |                       |
| <b>(S) Laminated Transparent Glass</b>                                                  |                                          |               |                 |                   |                               |                       |
| 5mm Cardinal LG                                                                         | Amery, WI                                | 4120          | COMP+CAN        | (.015)(C1) (b)(A) | 150 U                         | B                     |
| 5-6mm Cardinal LG                                                                       | Amery, WI                                | 2976          | COMP+CAN        | (.030) (b)(A)     | 150 U                         | A                     |
| 5-6mm Cardinal LG                                                                       | Amery, WI                                | 4350          | COMP+CAN        | (.035) (ip)(A)    | 150 U                         | A                     |



**Certified Products-By Product Type**

|                                                     |                              | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u>           | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------|------------------------------|---------------|-----------------|-------------------------|-------------------------------|-----------------------|
| <i>(S) Laminated Transparent Glass</i>              |                              |               |                 |                         |                               |                       |
| 5-6mm Cardinal LG Northeast                         | Jessup, PA                   | 5224          | COMP+CAN        | (.030) (b)(A)           | 400 U                         | A                     |
| 5-6mm Cardinal LG Northeast                         | Jessup, PA                   | 6617          | COMP+CAN        | (.035) (ip)(A)          | 400 U                         | A                     |
| 5-6mm Pennsylvania Insulating Glass                 | Lewistown, PA                | 3918          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 5mm Trulite Glass and Aluminum Solutions            | Grenada, MS                  | 6769          | COMPOSITE       | (.030) (b)(A)           | 165 U                         | A                     |
| <i>(S) Laminated Transparent Glass</i>              |                              |               |                 |                         |                               |                       |
| 6mm Precision Glass Bending Corporation             | Greenwood, AR                | 7154          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Qingdao Laurel Glass Technology Co., Ltd        | Qingdao City, China          | 7210          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| mm Qinhuangdao Rongsheng Glass Processing Co., Ltd. | Qinhuangdao, Hebei, China    | 7259          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 6mm Vitrum Industries Ltd.                          | Langley, BC                  | 7164          | COMP+CAN        | (.030) (b)(A)           | 950 U                         | A                     |
| <i>(S) Laminated Transparent Glass</i>              |                              |               |                 |                         |                               |                       |
| 6mm Berkowitz, J.E.                                 | Pedricktown, NJ              | 5222          | COMP+CAN        | (.030) (b)(A)           | 800 U                         | A                     |
| 6mm Cardinal IG                                     | Ocala, FL                    | 6100          | COMP+CAN        | (.035) (ip)(A)          | 850 U                         | A                     |
| 6mm Cardinal IG                                     | Ocala, FL                    | 3509          | COMPOSITE       | (.030) (b)(A)           | 850 U                         | A                     |
| 6mm Downey Glass Industries, LLC                    | Pompano Beach, FL            | 5121          | COMPOSITE       | (.035) (ip)(A)          | 285 U                         | A                     |
| 6mm Fairis C.A.                                     | Ambato, Tungurahua, Ecuador  | 4722          | COMPOSITE       | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Garibaldi Glass Ind. Inc.                       | Burnaby, BC                  | 6767          | COMP+CAN        | (.035) (ip)(A)          | 750 U                         | A                     |
| 6mm GlassFab Tempering Services, Inc. Mariani Ct.   | Tracy, CA                    | 6408          | COMPOSITE       | (.030) (b)(A)           | 125 U                         | A                     |
| 6mm Glasswerks GWLA- East                           | South Gate, CA               | 7074          | COMPOSITE       | (.030) (b)(A)           | 250 U                         | A                     |
| 6mm Global Security Glazing                         | Selma, AL                    | 4769          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Grupo Vidrios el Castillo                       | Escobedo, Nuevo Leon, Mexico | 6058          | COMP+CAN        | (.015) (b)(A)           | 175 U                         | B                     |
| 6mm Grupo Vidrios el Castillo                       | Escobedo, Nuevo Leon, Mexico | 6083          | COMP+CAN        | (.030) (b)(A)           | 175 U                         | A                     |
| 6mm Guardian Industries Corp.                       | Galax, VA                    | 4633          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Guardian Industries Corp.                       | Galax, VA                    | 4800          | COMP+CAN        | (.075) (b)(p)(el)(6)(A) | 285 U                         | A                     |
| 6mm Insulite Glass Co., Inc.                        | Olathe, KS                   | 3718          | COMPOSITE       | (.030) (b)(A)           | 150 U                         | A                     |
| 6mm Kawneer - (Cranberry) an Arconic Company        | Cranberry Township, PA       | 5369          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 6mm M Industria S.A. DE C.V.                        | Merida, Yucatan Mexico       | 6482          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm M Industria S.A. DE C.V.                        | Merida, Yucatan Mexico       | 6483          | COMP+CAN        | (.035) (ip)(A)          | 285 U                         | A                     |
| 6mm Nashville Tempered Glass LLC                    | Hendersonville, TN           | 5229          | COMP+CAN        | (.015) (b)(A)           | 285 U                         | B                     |
| 6mm Northwestern Industries, Inc.                   | Seattle, WA                  | 6437          | COMPOSITE       | (.030) (b)(A)           | 195 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Perrysburg, OH               | 4700          | COMP+CAN        | (.030) (b)(A)           | 100 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Covington, GA                | 6697          | COMP+CAN        | (.030) (b)(A)           | 165 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Schofield, WI                | 3176          | COMP+CAN        | (.030) (b)(A)           | 600 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Tampa, FL                    | 4448          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Grand Prairie, TX            | 7099          | COMP+CAN        | (.030) (b)(A)           | 175 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Denver, CO                   | 4533          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Los Angeles, CA              | 4346          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Miami, FL                    | 4001          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Langley, BC                  | 4475          | COMP+CAN        | (.030) (b)(A)           | 750 U                         | B                     |
| 6mm Oldcastle BuildingEnvelope®                     | Miami, FL                    | 4397          | COMP+CAN        | (.035) (ip)(A)          | 285 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Hauppauge, NY                | 3392          | COMP+CAN        | (.030) (b)(A)           | 400 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Wright City, MO              | 4528          | COMP+CAN        | (.035) (ip)(A)          | 150 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Fremont, CA                  | 6843          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                     | Wright City, MO              | 4526          | COMP+CAN        | (.030) (b)(A)           | 150 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope® Canada Inc.         | Pointe-aux-Trembles, QC      | 5024          | COMP+CAN        | (.015)(C1) (b)(A)(IN)   | 450 U                         | B                     |
| 6mm Oldcastle BuildingEnvelope® Canada Inc.         | Pointe-aux-Trembles, QC      | 5025          | COMP+CAN        | (.030) (b)(A)           | 450 U                         | A                     |
| 6mm Phoenicia Flat Glass Industries                 | Nazaret, Ilit Israel         | 5290          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |

***Certified Products-By Product Type***

|                                                         |                               |      |           |                    | <u>Max Size</u>  | <u>ANSI</u>  |
|---------------------------------------------------------|-------------------------------|------|-----------|--------------------|------------------|--------------|
|                                                         |                               |      |           |                    | <u>Certified</u> | <u>CLASS</u> |
|                                                         |                               |      |           |                    | <u>Lab ID</u>    |              |
| <i>(S) Laminated Transparent Glass</i>                  |                               |      |           |                    |                  |              |
| 6mm Phoenicia Flat Glass Industries                     | Nazaret, Ilit Israel          | 5786 | COMPOSITE | (.015) (b)(A)      | 100 U            | B            |
| 6mm Prelco Inc.                                         | Riviere-du-loup, QC           | 4905 | COMP+CAN  | (.030) (b)(A)      | 450 U            | A            |
| 6mm Press Glass, Inc.                                   | Stoneville, NC                | 4413 | COMPOSITE | (.035) (ip)(A)     | 285 U            | A            |
| 6mm Press Glass, Inc.                                   | Stoneville, NC                | 4375 | COMPOSITE | (.030) (b)(A)      | 285 U            | A            |
| 6mm Rizhao Huaye Glass Co., Ltd.                        | Rizhao, Shandong              | 5580 | COMP+CAN  | (.015) (b)(A)      | 285 U            | B            |
| 6mm S.F. Tempering                                      | Dania Beach, FL               | 6694 | COMPOSITE | (.015) (ev)(A)     | 285 U            | B            |
| 6mm SAAND Rexdale                                       | Rexdale, ON                   | 5001 | COMP+CAN  | (.030) (b)(A)      | 400 U            | A            |
| 6mm SAGE Electrochromics Inc.                           | Faribault, MN                 | 7003 | COMP+CAN  | (.035) (ip)(A)     | 175 U            | A            |
| 6mm Saint Gobain Mexico, S.A. de C.V.                   | Cuautla, Morelos, Mexico      | 5907 | COMPOSITE | (.030) (b)(A)      | 400 U            | A            |
| 6mm Saint Gobain Mexico, S.A. de C.V.                   | Cuautla, Morelos, Mexico      | 5905 | COMPOSITE | (.015) (b)(A)      | 400 U            | B            |
| 6mm SIGCO, Inc.                                         | Westbrook, ME                 | 6012 | COMP+CAN  | (.030) (b)(A)      | 100 U            | A            |
| 6mm Standard Bent Glass                                 | East Butler, PA               | 6305 | COMP+CAN  | (.030) (b)(A)      | 103 U            | A            |
| 6mm Syracuse Glass Co., Inc.                            | Syracuse, NY                  | 6391 | COMP+CAN  | (.030) (b)(A)      | 400 U            | A            |
| 6mm Tacoma Glass Mfg. Inc.                              | Lakewood, WA                  | 5112 | COMPOSITE | (.030) (b)(A)      | 750 U            | A            |
| 6mm Taiwan Glass Industry Corp.                         | Taipei, Taiwan, China         | 5490 | COMP+CAN  | (.030) (b)(A)      | 750 U            | A            |
| 6mm Tengzhou Fenghua Glass Co., LTD                     | Tengzhou, China               | 6423 | COMP+CAN  | (.030) (b)(A)      | 250 U            | A            |
| 6mm Thermo BSL                                          | Riviere-du-loup, QC           | 7094 | COMP+CAN  | (.030) (b)(A)      | 800 U            | A            |
| 6mm Tristar Glass, Inc.                                 | Catoosa, OK                   | 5441 | COMPOSITE | (.030) (b)(A)      | 175 U            | A            |
| 6mm Triview Glass Industries                            | City of Industry, CA          | 5047 | COMP+CAN  | (.030) (b)(A)      | 250 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | New Berlin, WI                | 3430 | COMPOSITE | (.030) (b)(A)      | 600 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Fort Worth, TX                | 3603 | COMPOSITE | (.030) (b)(A)      | 175 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Houston, TX                   | 5434 | COMP+CAN  | (.030) (b)(A)      | 175 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Grenada, MS                   | 6760 | COMPOSITE | (.030) (b)(A)      | 165 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Youngsville, NC               | 4437 | COMPOSITE | (.030) (b)(A)      | 165 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Vaughan, ON                   | 5631 | COMP+CAN  | (.030) (b)(A)      | 450 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Lithia Springs, GA            | 6110 | COMP+CAN  | (.060) (IN)(ip)(A) | 165 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Orlando, FL                   | 3461 | COMPOSITE | (.030) (b)(A)      | 285 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | Lithia Springs, GA            | 6108 | COMP+CAN  | (.030) (b)(A)      | 165 U            | A            |
| 6mm Trulite Glass and Aluminum Solutions                | City of Industry, CA          | 4233 | COMPOSITE | (.030) (b)(A)      | 250 U            | A            |
| 6mm U.S. Glass Distributors Inc.                        | Enfield, CT                   | 6494 | COMP+CAN  | (.035) (ip)(A)     | 400 U            | A            |
| 6mm United Plate Glass Co., Inc.                        | Butler, PA                    | 6250 | COMP+CAN  | (.035) (ip)(A)     | 800 U            | A            |
| 6mm United Plate Glass Co., Inc.                        | Butler, PA                    | 6224 | COMP+CAN  | (.030) (b)(A)      | 800 U            | A            |
| 6mm Vidrio Bisel S.A. de C.V. (Santa Catarina)          | Monterrey, Nuevo Leon, Mexico | 4968 | COMP+CAN  | (.030) (b)(A)      | 175 U            | A            |
| 6mm Vidrio Bisel S.A. de C.V. (Santa Catarina)          | Monterrey, Nuevo Leon, Mexico | 4969 | COMP+CAN  | (.015)(C1) (b)(A)  | 175 U            | B            |
| 6mm View Inc.                                           | Olive Branch, MS              | 6390 | COMPOSITE | (.030) (b)(A)      | 175 U            | A            |
| 6mm Viracon Inc.                                        | Statesboro, GA                | 5017 | COMP+CAN  | (.030) (b)(A)      | 165 U            | A            |
| 6mm Viracon Inc.                                        | Owatonna, MN                  | 1637 | COMP+CAN  | (.030) (b)(A)      | 150 U            | A            |
| 6mm W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA                  | 6091 | COMP+CAN  | (.030) (b)(A)      | 250 U            | A            |
| 6mm Xinyi Glass (Tianjin) Co. Ltd.                      | Tianjin, China                | 5538 | COMP+CAN  | (.030) (b)(A)      | 195 U            | A            |
| 6mm Xinyi Glass (Yingkou) Co., Ltd.                     | Liaoning, China               | 6852 | COMPOSITE | (.030) (b)(A)      | 195 U            | A            |
| 6mm Xinyi Group (Glass) Co., Ltd.                       | Dongguan, Guangdong, China    | 3056 | COMP+CAN  | (.030) (b)(A)      | 195 U            | A            |

**Certified Products-By Product Type**

|                                                    |                                              | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u>           | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------|----------------------------------------------|---------------|-----------------|-------------------------|-------------------------------|-----------------------|
| <i>(H) Laminated Transparent Glass</i>             |                                              |               |                 |                         |                               |                       |
| 8-12mm ECO Glass                                   | Medley, FI                                   | 7189          | COMP+CAN        | (.090) (b)(A)           | 285 U                         | A                     |
| 8-12mm La Tecnica Nel Vetro SpA                    | Scafati, Salerno, Italy                      | 7169          | COMP+CAN        | (.015) (ip)(A)          | 125 U                         | A                     |
| 8-16+mm Precision Glass Bending Corporation        | Greenwood, AR                                | 7155          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 8-16+mm Tecnovidrio S.A. de C.V.                   | Colonia Granjas Mexico, Delegacion Iztacalco | 7256          | COMP+CAN        | (.035) (ip)(A)          | 800 U                         | A                     |
| 8-12mm Thompson I.G. LLC.                          | Fenton, MI                                   | 5301          | COMP+CAN        | (.030) (b)(A)           | 100 U                         | A                     |
| 8-16+mm United Plate Glass Co., Inc.               | Butler, PA                                   | 6251          | COMP+CAN        | (.035) (ip)(A)          | 800 U                         | A                     |
| 8-16+mm White Aluminum Enterprises LLC             | Abu Dhabi, United Arab Emirates              | 7237          | COMPOSITE       | (.060) (ip)(T)          | 150 U                         | A                     |
| 8-16+mm White Aluminum Enterprises LLC             | Abu Dhabi, United Arab Emirates              | 7260          | COMPOSITE       | (.060) (b)(T)           | 150 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>             |                                              |               |                 |                         |                               |                       |
| 8-16+mm Al Abbar Architectural Glass               | Dubai, United Arab Emirates                  | 3560          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 8, 12mm Aldora Aluminum and Glass Products Inc.    | Charleston, SC                               | 4337          | COMPOSITE       | (.060) (lu)(A)          | 285 U                         | A                     |
| 8mm Aldora Aluminum and Glass Products, Inc.       | Orlando, FL                                  | 6429          | COMPOSITE       | (.060) (ip)(A)          | 285 U                         | A                     |
| 8mm Aldora Aluminum and Glass Products, Inc.       | Orlando, FL                                  | 6428          | COMPOSITE       | (.060) (b)(A)           | 285 U                         | A                     |
| 8-16+mm Berkowitz, J.E.                            | Pedricktown, NJ                              | 3750          | COMP+CAN        | (.030) (b)(A)           | 800 U                         | A                     |
| 8-12mm Cardinal IG                                 | Ocala, FL                                    | 3510          | COMPOSITE       | (.030) (b)(A)           | 850 U                         | A                     |
| 8-12mm Cardinal IG                                 | Ocala, FL                                    | 4362          | COMPOSITE       | (.035) (ip)(A)          | 850 U                         | A                     |
| 8-12mm Cardinal LG                                 | Amery, WI                                    | 2462          | COMP+CAN        | (.030) (b)(A)           | 150 U                         | A                     |
| 8-12mm Cardinal LG                                 | Amery, WI                                    | 4351          | COMP+CAN        | (.035) (ip)(A)          | 150 U                         | A                     |
| 8-12mm Cardinal LG Northeast                       | Jessup, PA                                   | 5225          | COMP+CAN        | (.030) (b)(A)           | 400 U                         | A                     |
| 8-12mm Cardinal LG Northeast                       | Jessup, PA                                   | 6618          | COMP+CAN        | (.035) (ip)(A)          | 400 U                         | A                     |
| 8mm Changshu ZhongXin Building Materials Co., Ltd. | Changshu, Jiangsu, China                     | 4363          | COMP+CAN        | (.090) (b)(A)           | 750 U                         | A                     |
| 8-16+mm Denver Glass Interiors, Inc.               | Englewood, CO                                | 6902          | COMPOSITE       | (.060) (ip)(A)          | 175 U                         | A                     |
| 8-16+mm Denver Glass Interiors, Inc.               | Englewood, CO                                | 6916          | COMPOSITE       | (.030) (b)(A)           | 175 U                         | A                     |
| 8-12mm Dongguan CSG Architectural Glass Co., Ltd.  | Dongguan, Guangdong, China                   | 4167          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| 8, 12mm Eckelt Glas GmbH                           | Steyr, Austria                               | 6825          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 8, 12mm Eckelt Glas GmbH                           | Steyr, Austria                               | 6901          | COMPOSITE       | (.035) (ip)(A)          | 100 U                         | A                     |
| 8-16+mm Galaxy Glass & Stone                       | Fairfield, NJ                                | 5752          | COMP+CAN        | (.060) (ev)(A)          | 800 U                         | A                     |
| 8-16+mm Galaxy Glass & Stone                       | Fairfield, NJ                                | 3661          | COMP+CAN        | (.060) (lu)(A)          | 800 U                         | A                     |
| 8-16+mm Garibaldi Glass Ind. Inc.                  | Burnaby, BC                                  | 6768          | COMP+CAN        | (.035) (ip)(A)          | 750 U                         | A                     |
| 8-16+mm Garibaldi Glass Ind. Inc.                  | Burnaby, BC                                  | 6766          | COMP+CAN        | (.030) (b)(A)           | 750 U                         | A                     |
| 8-16+mm GLASPRO                                    | Santa Fe Springs, CA                         | 6050          | COMP+CAN        | (.030) (b)(A)           | 250 U                         | A                     |
| 8-16+mm Glassbel Baltic                            | Klaipeda, Lithuania                          | 6710          | COMPOSITE       | (.030) (b)(A)           | 800 U                         | A                     |
| 8-16+mm GlassecViracon                             | Nazaré Paulista, São Paulo                   | 6997          | COMP+CAN        | (.030) (b)(A)           | 150 U                         | A                     |
| 8-12mm Glasswerks GWLA- East                       | South Gate, CA                               | 6057          | COMPOSITE       | (.035) (ip)(A)          | 250 U                         | A                     |
| 8-16+mm Glasswerks GWLA- East                      | South Gate, CA                               | 5886          | COMPOSITE       | (.060) (b)(A)           | 250 U                         | A                     |
| 8-10mm Guardian Industries Corp.                   | Galax, VA                                    | 4829          | COMP+CAN        | (.075) (b)(p)(el)(6)(A) | 285 U                         | A                     |
| 8mm Guardian Industries Corp.                      | Galax, VA                                    | 4658          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 8mm Gulf Glass Industries, LLC                     | Sharjah, United Arab Emirates                | 4799          | COMPOSITE       | (.030) (b)(A)           | 800 U                         | A                     |
| 8mm Insulite Glass Co., Inc.                       | Olathe, KS                                   | 3720          | COMPOSITE       | (.060) (b)(A)           | 150 U                         | A                     |
| 8-16+mm Jiangmen SYP Engineering Glass Co, Ltd.    | Guangdong, China                             | 4312          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| 8, 12mm Kawneer - (Cranberry) an Arconic Company   | Cranberry Township, PA                       | 2715          | COMPOSITE       | (.060) (b)(A)           | 100 U                         | A                     |
| 8-12mm Kawneer - (Cranberry) an Arconic Company    | Cranberry Township, PA                       | 2748          | COMPOSITE       | (.090) (ip)(A)          | 100 U                         | A                     |
| 8-16+mm M Industria S.A. DE C.V.                   | Merida, Yucatan Mexico                       | 5412          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |

***Certified Products-By Product Type***

|                                                    |                          | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u>  | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------|--------------------------|---------------|-----------------|----------------|-------------------------------|-----------------------|
| <i>(H) Laminated Transparent Glass</i>             |                          |               |                 |                |                               |                       |
| 8-16+mm M Industria S.A. DE C.V.                   | Merida, Yucatan Mexico   | 5413          | COMP+CAN        | (.035) (ip)(A) | 285 U                         | A                     |
| 8-12mm McGrory Glass                               | Paulsboro, NJ            | 5263          | COMPOSITE       | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Grand Prairie, TX        | 7098          | COMP+CAN        | (.030) (b)(A)  | 175 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Schofield, WI            | 4558          | COMP+CAN        | (.030) (b)(A)  | 600 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Denver, CO               | 4454          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Grand Prairie, TX        | 7109          | COMP+CAN        | (.060) (ip)(A) | 175 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Langley, BC              | 4476          | COMP+CAN        | (.030) (b)(A)  | 750 U                         | B                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Tampa, FL                | 4449          | COMP+CAN        | (.030) (b)(A)  | 285 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Houston, TX              | 4402          | COMP+CAN        | (.030) (b)(A)  | 175 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Miami, FL                | 4398          | COMP+CAN        | (.030) (b)(A)  | 285 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Miami, FL                | 4399          | COMP+CAN        | (.035) (ip)(A) | 285 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Los Angeles, CA          | 4563          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Perrysburg, OH           | 4444          | COMP+CAN        | (.060) (ip)(A) | 100 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Hauppauge, NY            | 4618          | COMP+CAN        | (.030) (b)(A)  | 400 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Perrysburg, OH           | 4446          | COMP+CAN        | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Wright City, MO          | 4529          | COMP+CAN        | (.035) (ip)(A) | 150 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Wright City, MO          | 4527          | COMP+CAN        | (.030) (b)(A)  | 150 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Fremont, CA              | 4461          | COMP+CAN        | (.060) (ip)(A) | 125 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope®             | Fremont, CA              | 4460          | COMP+CAN        | (.060) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope® Canada Inc. | Pointe-aux-Trembles, QC  | 4433          | COMP+CAN        | (.060) (ip)(A) | 450 U                         | A                     |
| 8-16+mm Oldcastle<br>BuildingEnvelope® Canada Inc. | Pointe-aux-Trembles, QC  | 4435          | COMP+CAN        | (.030) (b)(A)  | 450 U                         | A                     |
| 8-12mm PGT Industries                              | North Venice, FL         | 2426          | COMPOSITE       | (.060) (b)(A)  | 850 U                         | A                     |
| 8-12mm PGT Industries                              | North Venice, FL         | 3482          | COMPOSITE       | (.090) (ip)(A) | 850 U                         | A                     |
| 8mm Phoenicia Flat Glass Industries                | Nazaret, Ilit Israel     | 6964          | COMPOSITE       | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Prelco Inc.                                | Riviere-du-loup, QC      | 4906          | COMP+CAN        | (.030) (b)(A)  | 450 U                         | A                     |
| 8-16+mm PRESS GLASS SA                             | Radomsko, Poland         | 5851          | COMP+CAN        | (.030) (b)(A)  | 800 U                         | A                     |
| 8-16+mm PRESS GLASS SA                             | Tychy, Poland            | 5858          | COMP+CAN        | (.030) (b)(A)  | 800 U                         | A                     |
| 8-16+mm Press Glass, Inc.                          | Stoneville, NC           | 4414          | COMPOSITE       | (.035) (ip)(A) | 285 U                         | A                     |
| 8-16+mm Press Glass, Inc.                          | Stoneville, NC           | 4376          | COMPOSITE       | (.030) (b)(A)  | 285 U                         | A                     |
| 8-16+mm PRL Glass Systems                          | City of Industry, CA     | 5605          | COMPOSITE       | (.030) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Pulp Studio, Inc.                          | Gardena, CA              | 4711          | COMP+CAN        | (.030) (b)(A)  | 250 U                         | A                     |
| 8-12mm Ready Glass & Mirror, Inc.                  | Hialeah, FL              | 7013          | COMPOSITE       | (.015) (b)(A)  | 285 U                         | A                     |
| 8-16+mm Ready Glass & Mirror, Inc.                 | Hialeah, FL              | 5634          | COMPOSITE       | (.035) (ip)(A) | 285 U                         | A                     |
| 8-16mm Rizhao Huaye Glass Co., Ltd.                | Rizhao, Shandong         | 5581          | COMP+CAN        | (.015) (b)(A)  | 285 U                         | B                     |
| 8-16+mm SAAND Rexdale                              | Rexdale, ON              | 5002          | COMP+CAN        | (.030) (b)(A)  | 400 U                         | A                     |
| 8-12mm SAGE Electrochromics Inc.                   | Faribault, MN            | 5016          | COMP+CAN        | (.035) (ip)(A) | 175 U                         | A                     |
| 8mm Saint Gobain Mexico, S.A. de C.V.              | Cuautla, Morelos, Mexico | 5908          | COMPOSITE       | (.030) (b)(A)  | 400 U                         | A                     |

***Certified Products-By Product Type***

|                                                          |                          | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u>  | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|----------------------------------------------------------|--------------------------|---------------|-----------------|----------------|-------------------------------|-----------------------|
| <i>(H) Laminated Transparent Glass</i>                   |                          |               |                 |                |                               |                       |
| 8mm Saint Gobain Mexico, S.A. de C.V.                    | Cuautla, Morelos, Mexico | 5906          | COMPOSITE       | (.015) (b)(A)  | 400 U                         | B                     |
| 8mm Saudi American Glass Company                         | Riyadh, Saudi Arabia     | 6749          | COMPOSITE       | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Shanghai SYP Engineering Glass                   | Shanghai, China          | 6988          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 8-10mm Shenzhen Sun Global Glass Co., Limited            | Shenzhen, Guangdong      | 6970          | COMP+CAN        | (.060) (b)(A)  | 285 U                         | A                     |
| 8-16+mm SIGCO, Inc.                                      | Westbrook, ME            | 6013          | COMP+CAN        | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm SIGCO, Inc.                                      | Westbrook, ME            | 6014          | COMP+CAN        | (.060) (ip)(A) | 100 U                         | A                     |
| 8-16+mm Syracuse Glass Co., Inc.                         | Syracuse, NY             | 6393          | COMP+CAN        | (.060) (ip)(A) | 400 U                         | A                     |
| 8-16+mm Syracuse Glass Co., Inc.                         | Syracuse, NY             | 6392          | COMP+CAN        | (.030) (b)(A)  | 400 U                         | A                     |
| 8-12mm Tacoma Glass Mfg. Inc.                            | Lakewood, WA             | 4735          | COMPOSITE       | (.030) (b)(A)  | 750 U                         | A                     |
| 8-16+mm Tecnoglass S.A.                                  | Barranquilla, Colombia   | 4003          | COMP+CAN        | (.030) (b)(A)  | 285 U                         | A                     |
| 8mm TG Taicang Architectural Glass Co. Ltd               | Taicang City, Jiangsu    | 7058          | COMP+CAN        | (.090) (ip)(A) | 125 U                         | A                     |
| 8mm Thermo BSL                                           | Riviere-du-loup, QC      | 5673          | COMP+CAN        | (.030) (b)(A)  | 800 U                         | A                     |
| 8mm Tianjin CSG Energy Conservation Glass Co., Ltd       | Tianjin, China           | 4030          | COMP+CAN        | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Tianjin SYP Engineering Glass Co., Ltd.          | Tianjin, China           | 4084          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 8mm Triview Glass Industries                             | City of Industry, CA     | 5048          | COMP+CAN        | (.030) (b)(A)  | 250 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | Fort Worth, TX           | 5783          | COMPOSITE       | (.030) (b)(A)  | 175 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | Lithia Springs, GA       | 6111          | COMP+CAN        | (.060) (ip)(A) | 165 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | New Berlin, WI           | 5937          | COMPOSITE       | (.060) (ip)(A) | 600 U                         | A                     |
| 8-12mm Trulite Glass and Aluminum Solutions              | New Berlin, WI           | 5936          | COMPOSITE       | (.030) (b)(A)  | 600 U                         | A                     |
| 8mm Trulite Glass and Aluminum Solutions                 | Grenada, MS              | 7014          | COMPOSITE       | (.090) (ip)(A) | 165 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | Fort Worth, TX           | 5728          | COMPOSITE       | (.035) (ip)(A) | 175 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | Houston, TX              | 6741          | COMP+CAN        | (.030) (b)(A)  | 175 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | Columbus, OH             | 6162          | COMPOSITE       | (.030) (b)(A)  | 285 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | Orlando, FL              | 5484          | COMPOSITE       | (.030) (b)(A)  | 285 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | Lithia Springs, GA       | 6109          | COMP+CAN        | (.030) (b)(A)  | 165 U                         | A                     |
| 8mm Trulite Glass and Aluminum Solutions                 | Grenada, MS              | 6615          | COMPOSITE       | (.060) (b)(A)  | 165 U                         | A                     |
| 8-12mm Trulite Glass and Aluminum Solutions              | Youngsville, NC          | 6405          | COMPOSITE       | (.030) (b)(A)  | 165 U                         | A                     |
| 8-16+mm Trulite Glass and Aluminum Solutions             | City of Industry, CA     | 6010          | COMPOSITE       | (.030) (b)(A)  | 250 U                         | A                     |
| 8-16+mm United Plate Glass Co., Inc.                     | Butler, PA               | 6225          | COMP+CAN        | (.030) (b)(A)  | 800 U                         | A                     |
| 8-12mm View Inc.                                         | Olive Branch, MS         | 5841          | COMPOSITE       | (.060) (ip)(A) | 175 U                         | A                     |
| 8-16+mm Viracon Inc.                                     | Owatonna, MN             | 4249          | COMP+CAN        | (.030) (b)(A)  | 150 U                         | A                     |
| 8-16+mm Viracon Inc.                                     | Statesboro, GA           | 4779          | COMP+CAN        | (.030) (b)(A)  | 165 U                         | A                     |
| 8mm Viwinco, Inc.                                        | Morgantown, PA           | 3408          | COMPOSITE       | (.090) (b)(A)  | 800 U                         | A                     |
| 8-10mm Viwinco, Inc.                                     | Morgantown, PA           | 6374          | COMPOSITE       | (.090) (ip)(A) | 800 U                         | A                     |
| 8-16+mm Wujiang CSG Huadong Architectural Glass Co., LTD | Wujiang, Jiangsu, China  | 6790          | COMPOSITE       | (.030) (b)(A)  | 250 U                         | A                     |
| 8mm Wujiang Golden Glass Technologies, Ltd.              | Wujiang City, China      | 5257          | COMPOSITE       | (.030) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Xinyi Glass (Tianjin) Co. Ltd.                   | Tianjin, China           | 5539          | COMP+CAN        | (.030) (b)(A)  | 195 U                         | A                     |

**Certified Products-By Product Type**

|                                                           |                             | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u>  | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|-----------------------------------------------------------|-----------------------------|---------------|-----------------|----------------|-------------------------------|-----------------------|
| <i>(H) Laminated Transparent Glass</i>                    |                             |               |                 |                |                               |                       |
| 8-16+mm Xinyi Glass (Yingkou) Co., Ltd.                   | Liaoning, China             | 6853          | COMPOSITE       | (.030) (b)(A)  | 195 U                         | A                     |
| 8-16+mm Xinyi Group (Glass) Co., Ltd.                     | Dongguan, Guangdong, China  | 3489          | COMP+CAN        | (.030) (b)(A)  | 195 U                         | A                     |
| 8-10mm Zhangjiagang City Daming Glass Product Co., Ltd    | Zhangjiagang City, Jiangsu  | 7048          | COMP+CAN        | (.035) (ip)(A) | 285 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>                    |                             |               |                 |                |                               |                       |
| 10-16+mm A.N. ALODAN & SONS CO. GLASS & ALUMINIUM FACTORY | Riyadh, Saudi Arabia        | 7278          | COMP+CAN        | (.060) (b)(T)  | 100 U                         | A                     |
| 10-16+mm Curved Glass Creations, LLC                      | Pompano Beach, FL           | 7113          | COMPOSITE       | (.060) (ev)(A) | 285 U                         | A                     |
| 10mm Integral Seal Mfg. Inc.                              | Concord, ON Canada          | 7245          | COMP+CAN        | (.060) (ev)(A) | 100 U                         | A                     |
| 10-16+mm LTI Smart Glass, Inc.                            | Pittsfield, MA              | 7286          | COMPOSITE       | (.030) (b)(A)  | 400 U                         | A                     |
| 10-16+mm Oldcastle BuildingEnvelope®                      | Houston, TX                 | 4401          | COMP+CAN        | (.060) (ip)(A) | 175 U                         | A                     |
| 10-16+mm Penta Glass Ind. Inc                             | Garfield, NJ                | 6683          | COMPOSITE       | (.060) (ev)(A) | 800 U                         | A                     |
| 10,16+mm U.S. Glass Distributors Inc.                     | Enfield, CT                 | 6864          | COMP+CAN        | (.035) (ip)(A) | 400 U                         | A                     |
| 10-16+mm Vitrum Industries Ltd.                           | Langley, BC                 | 7124          | COMP+CAN        | (.060) (b)(A)  | 950 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>                    |                             |               |                 |                |                               |                       |
| 10-12mm Colorkote CT, LLC                                 | Stratford, CT               | 7095          | COMP+CAN        | (.060) (ev)(A) | 800 U                         | A                     |
| 10-16+mm CS ECO Glass                                     | Negeri Sembilan, Malaysia   | 6872          | COMPOSITE       | (.030) (b)(A)  | 195 U                         | A                     |
| 10-16+mm Downey Glass Industries, LLC                     | Pompano Beach, FL           | 5122          | COMPOSITE       | (.035) (ip)(A) | 285 U                         | A                     |
| 10-12mm Fairis C.A.                                       | Ambato, Tungurahua, Ecuador | 4430          | COMPOSITE       | (.030) (b)(A)  | 285 U                         | A                     |
| 10-16+mm Flat Glass Group Co., Ltd.                       | Jiaxing, Zhejiang, China    | 5526          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 10mm Global Security Glazing                              | Selma, AL                   | 6040          | COMP+CAN        | (.150) (b)(A)  | 285 U                         | A                     |
| 10mm GnT Glass Co., Ltd.                                  | Dongguan, Guangdong, China  | 7131          | COMP+CAN        | (.060) (ip)(A) | 400 U                         | A                     |
| 10-16+mm GnT Glass Co., Ltd.                              | Dongguan, Guangdong, China  | 5791          | COMP+CAN        | (.060) (b)(A)  | 400 U                         | A                     |
| 10-16+mm Guangdong Golden Glass Technologies              | Shantou, Guangdong, China   | 3947          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 10-12mm Insulite Glass Co., Inc.                          | Olathe, KS                  | 5513          | COMPOSITE       | (.030) (b)(A)  | 150 U                         | A                     |
| 10-16+mm Jiangmen SYP Engineering Glass Co, Ltd.          | Guangdong, China            | 4575          | COMP+CAN        | (.060) (ip)(A) | 125 U                         | A                     |
| 10mm Kawneer - (Cranberry) an Arconic Company             | Cranberry Township, PA      | 2716          | COMPOSITE       | (.030) (b)(A)  | 100 U                         | A                     |
| 10-12mm Nashville Tempered Glass LLC                      | Hendersonville, TN          | 5230          | COMP+CAN        | (.030) (b)(A)  | 285 U                         | A                     |
| 10-16+mm Oldcastle BuildingEnvelope®                      | Hauppauge, NY               | 5355          | COMP+CAN        | (.060) (ip)(A) | 400 U                         | A                     |
| 10-16+mm Oldcastle BuildingEnvelope®                      | Schofield, WI               | 6773          | COMP+CAN        | (.060) (ip)(A) | 600 U                         | A                     |
| 10-12mm Oldcastle BuildingEnvelope®                       | Covington, GA               | 4393          | COMP+CAN        | (.035) (ip)(A) | 165 U                         | A                     |
| 10-16+mm Oldcastle BuildingEnvelope®                      | Covington, GA               | 4392          | COMP+CAN        | (.030) (b)(A)  | 165 U                         | A                     |
| 10-12mm Saint Gobain Mexico, S.A. de C.V.                 | Cuautla, Morelos, Mexico    | 5909          | COMPOSITE       | (.090) (b)(A)  | 400 U                         | A                     |
| 10mm Saudi American Glass Company                         | Riyadh, Saudi Arabia        | 6750          | COMPOSITE       | (.060) (b)(A)  | 100 U                         | A                     |
| 10-12mm SG Glass Industries L.L.C.                        | Miami Gardens, FL           | 6693          | COMP+CAN        | (.035) (ip)(A) | 285 U                         | A                     |
| 10-16+mm Shanghai SYP Engineering Glass                   | Shanghai, China             | 6987          | COMP+CAN        | (.015) (b)(A)  | 125 U                         | B                     |
| 10-16+mm Sichuan CSG Energy Conservation Glass Co., Ltd.  | Chengdu, Sichuan            | 7056          | COMPOSITE       | (.030) (b)(A)  | 125 U                         | A                     |
| 10-16+mm Standard Bent Glass                              | East Butler, PA             | 6306          | COMP+CAN        | (.030) (b)(A)  | 103 U                         | A                     |
| 10-16+mm Templado USA Glass & Aluminum Products           | Barranquilla, Colombia      | 6338          | COMPOSITE       | (.035) (ip)(A) | 285 U                         | A                     |

**Certified Products-By Product Type**

|                                                              |                                              | <u>SGCC #</u> | <u>Standard</u> | <u>Lab ID</u>       | <u>Max Size<br/>Certified</u> | <u>ANSI<br/>CLASS</u> |
|--------------------------------------------------------------|----------------------------------------------|---------------|-----------------|---------------------|-------------------------------|-----------------------|
| <i>(H) Laminated Transparent Glass</i>                       |                                              |               |                 |                     |                               |                       |
| 10mm Templados Del Centro SA DE C.V.                         | Irapuato, Guanajuato, Mexico                 | 6170          | COMPOSITE       | (.060) (b)(A)       | 175 U                         | A                     |
| 10mm TG Taicang Architectural Glass Co. Ltd                  | Taicang City, Jiangsu                        | 6774          | COMP+CAN        | (.035) (ip)(A)      | 125 U                         | A                     |
| 10mm Thermo BSL                                              | Riviere-du-loup, QC                          | 5674          | COMP+CAN        | (.090) (ip)(A)      | 800 U                         | A                     |
| 10-12mm Thompson I.G. LLC.                                   | Fenton, MI                                   | 7025          | COMP+CAN        | (.035) (ip)(A)      | 100 U                         | A                     |
| 10-16+mm Tristar Glass, Inc.                                 | Catoosa, OK                                  | 4411          | COMPOSITE       | (.030) (b)(A)       | 175 U                         | A                     |
| 10-12mm Trulite Glass and Aluminum Solutions                 | Grenada, MS                                  | 5898          | COMPOSITE       | (.035) (ip)(A)      | 165 U                         | A                     |
| 10-16+mm Trulite Glass and Aluminum Solutions                | Houston, TX                                  | 6742          | COMP+CAN        | (.035) (ip)(A)      | 175 U                         | A                     |
| 10-12mm Trulite Glass and Aluminum Solutions                 | Orlando, FL                                  | 5485          | COMPOSITE       | (.035) (ip)(A)      | 285 U                         | A                     |
| 10-16+mm Trulite Glass and Aluminum Solutions                | Grenada, MS                                  | 4744          | COMPOSITE       | (.030) (b)(A)       | 165 U                         | A                     |
| 10-16+ mm Trulite Glass and Aluminum Solutions               | City of Industry, CA                         | 6011          | COMPOSITE       | (.060) (ip)(A)      | 250 U                         | A                     |
| 10mm Vitelsa Mosquera                                        | Bogota, Cundinamarca,                        | 6865          | COMPOSITE       | (.030) (b)(A)       | 285 U                         | B                     |
| 10-16+mm W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA                                 | 6092          | COMP+CAN        | (.030) (b)(A)       | 250 U                         | A                     |
| 10mm Wujiang Golden Glass Technologies, Ltd.                 | Wujiang City, China                          | 5258          | COMPOSITE       | (.035) (ip)(A)      | 125 U                         | A                     |
| 10mm Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd   | Hangzhou, Zhejiang, China                    | 6051          | COMP+CAN        | (.030) (b)(A)       | 125 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>                       |                                              |               |                 |                     |                               |                       |
| mm Aluminum Manufacturers Co. Ltd - ALUMATEC                 | Jeddah, Saudi Arabia                         | 6892          | COMPOSITE       | (.030) (b)(A)       | 400 U                         | A                     |
| 12mm Integral Seal Mfg. Inc.                                 | Concord, ON Canada                           | 7246          | COMP+CAN        | (.075) (ev)(A)      | 100 U                         | A                     |
| 12mm J.C. Moag Corporation                                   | Jeffersonville, IN                           | 7140          | COMPOSITE       | (.030) (ev)(A)      | 200 U                         | A                     |
| 12-16+mm NYC Glass Corp                                      | Brooklyn, NY                                 | 7255          | COMP+CAN        | (.030) (ev)(A)      | 800 U                         | A                     |
| 12-16+mm Shanghai SYP Engineering Glass                      | Shanghai, China                              | 7129          | COMP+CAN        | (.035) (ip)(A)      | 125 U                         | A                     |
| 12-16+mm Tecnovidrio S.A. de C.V.                            | Colonia Granjas Mexico, Delegacion Iztacalco | 7257          | COMP+CAN        | (.015) (b)(A)       | 800 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>                       |                                              |               |                 |                     |                               |                       |
| 12+mm AGNORA LTD                                             | Collingwood, ON                              | 4886          | COMP+CAN        | (.030) (b)(A)       | 450 U                         | A                     |
| 12mm Aldora Aluminum and Glass Products, Inc.                | Miramar, FL                                  | 4789          | COMPOSITE       | (.090) (lu)(A)(6)   | 285 U                         | A                     |
| 12-16+mm Beijing Northglass Technologies Co. Ltd             | Beijing, China                               | 6677          | COMP+CAN        | (.060) (b)(A)       | 195 U                         | A                     |
| 12mm Beijing Wuhua Tianbao Glass Co.                         | Beijing, China                               | 6912          | COMPOSITE       | (.045) (b)(A)       | 125 U                         | A                     |
| 12-16+mm Carey Glass UC                                      | Nenagh, Co. Tipperary                        | 6001          | COMP+CAN        | (.060) (b)(A)       | 100 U                         | A                     |
| 12mm Chicago Tempered Glass, Inc.                            | Chicago, IL                                  | 6714          | COMPOSITE       | (.035) (ip)(A) (IN) | 200 U                         | A                     |
| 12-16+mm Chongqing SYP Engineering Glass Co., Ltd.           | Chongqing, China                             | 6815          | COMPOSITE       | (.060) (ip)(A)      | 125 U                         | A                     |
| 12-16+mm Chongqing SYP Engineering Glass Co., Ltd.           | Chongqing, China                             | 6814          | COMPOSITE       | (.030) (b)(A)       | 125 U                         | A                     |
| 12mm Classy Glass Specialties Co., Ltd                       | Dongguan, Guangdong                          | 5169          | COMPOSITE       | (.030) (b)(A)       | 200 U                         | A                     |
| 12mm Comercial Dialum SA                                     | Santiago, Chile                              | 5938          | COMPOSITE       | (.035) (ip)(A)      | 285 U                         | A                     |
| 12mm Cristacurva                                             | Houston, TX                                  | 6731          | COMPOSITE       | (.035) (ip)(A)      | 175 U                         | A                     |
| 12mm Cristacurva                                             | Houston, TX                                  | 6732          | COMPOSITE       | (.030) (b)(A)       | 175 U                         | A                     |
| 12-16+mm Cristec Glass S.L.                                  | Balaguer, Lleida                             | 5699          | COMPOSITE       | (.015) (b)(A)       | 100 U                         | A                     |
| 12-16+mm Cristec Glass S.L.                                  | Balaguer, Lleida                             | 5878          | COMPOSITE       | (.035) (ip)(A)      | 100 U                         | A                     |
| 12mm D3 Glass, LLC                                           | Fort Myers, FL                               | 6961          | COMPOSITE       | (.035) (ip)(A)      | 285 U                         | A                     |
| 12mm D3 Glass, LLC                                           | Fort Myers, FL                               | 7034          | COMPOSITE       | (.030) (ev)(A)      | 285 U                         | A                     |

**Certified Products-By Product Type**

|                                                          |                                   |      |           |                 | <u>Max Size</u>  | <u>ANSI</u>  |
|----------------------------------------------------------|-----------------------------------|------|-----------|-----------------|------------------|--------------|
|                                                          |                                   |      |           |                 | <u>Certified</u> | <u>CLASS</u> |
|                                                          |                                   |      |           |                 | <u>Lab ID</u>    |              |
| <i>(H) Laminated Transparent Glass</i>                   |                                   |      |           |                 |                  |              |
| 12mm Dlubak Corporation                                  | Blairsville, PA                   | 6234 | COMPOSITE | (.060) (b)(T)   | 100 U            | A            |
| 12mm Dlubak Corporation                                  | Blairsville, PA                   | 7016 | COMPOSITE | (.060) (ip)(T)  | 100 U            | A            |
| 12mm Dolphin Glass Specialists, LLC                      | Hialeah, FL                       | 4729 | COMPOSITE | (.030) (b)(A)   | 285 U            | A            |
| 12mm Dongguan Dongfa Glass Product Co., Ltd              | Dongguan, Guangdong, China        | 4123 | COMP+CAN  | (.030) (b)(A)   | 285 U            | A            |
| 12-16+mm Glass and Mirror Craft                          | Wixom, MI                         | 4924 | COMP+CAN  | (.035) (ip)(A)  | 150 U            | A            |
| 12mm GlassecViracon                                      | Nazaré Paulista, São Paulo        | 7084 | COMP+CAN  | (.060) (ip)(A)  | 150 U            | A            |
| 12mm Global Security Glazing                             | Selma, AL                         | 4770 | COMP+CAN  | (.060) (b)(A)   | 285 U            | A            |
| 12mm Guangdong South Star Glass Limited                  | Dongguan City, Guangdong Province | 6808 | COMPOSITE | (.060) (b)(A)   | 125 U            | A            |
| 12mm Kawneer - (Cranberry) an Arconic Company            | Cranberry Township, PA            | 2719 | COMPOSITE | (.090) (b)(A)   | 100 U            | A            |
| 12mm Nashville Tempered Glass LLC                        | Hendersonville, TN                | 5231 | COMP+CAN  | (.035) (ip)(A)  | 285 U            | A            |
| 12mm Northwestern Industries, Inc.                       | Seattle, WA                       | 6438 | COMPOSITE | (.060) (ip)(A)  | 195 U            | A            |
| 12-16+mm Oldcastle BuildingEnvelope®                     | Denver, CO                        | 6056 | COMP+CAN  | (.060) (ip)(A)  | 125 U            | A            |
| 12mm Oldcastle BuildingEnvelope®                         | Tampa, FL                         | 5051 | COMP+CAN  | (.035) (ip)(A)  | 285 U            | A            |
| 12mm Onyx Solar Energy, S.L.                             | Avila, Spain                      | 7071 | COMPOSITE | (.060) (ev)(HS) | 100 U            | A            |
| 12-16+mm Pilkington Architectural                        | St. Helens, Merseyside, England   | 7138 | COMP+CAN  | (.060) (b)(HS)  | 150 U            | A            |
| 12-16+mm Pilkington Architectural                        | St. Helens, Merseyside, England   | 7139 | COMP+CAN  | (.060) (ip)(HS) | 150 U            | A            |
| 12mm Procesadora de Jalisco, S.A. DE C.V.                | Zapopan, Mexico                   | 6722 | COMPOSITE | (.060) (b)(A)   | 175 U            | A            |
| 12mm Procesadora de Jalisco, S.A. DE C.V.                | Zapopan, Mexico                   | 6721 | COMPOSITE | (.060) (ip)(A)  | 175 U            | A            |
| 12-16+mm S.F. Tempering                                  | Dania Beach, FL                   | 6695 | COMPOSITE | (.015) (ev)(A)  | 285 U            | B            |
| 12mm Saint-Gobain Glassolutions Objekt-Center GmbH       | Radeburg, Germany                 | 6800 | COMP+CAN  | (.030) (b)(A)   | 100 U            | A            |
| 12-16+mm Selective Shower Glass                          | Hialeah, FL                       | 6687 | COMPOSITE | (.060) (ip)(A)  | 285 U            | A            |
| 12-16+mm Stargrup Cam A.S.                               | Arnavutkoy, Istanbul              | 6208 | COMPOSITE | (.060) (b)(A)   | 285 U            | A            |
| 12-16+mm Stargrup Cam A.S.                               | Arnavutkoy, Istanbul              | 6207 | COMPOSITE | (.030) (b)(A)   | 285 U            | A            |
| 12mm Taiwan Glass Industry Corp.                         | Taipei, Taiwan, China             | 3893 | COMP+CAN  | (.030) (b)(A)   | 750 U            | A            |
| 12mm Templados Del Centro SA DE C.V.                     | Irapuato, Guanajuato, Mexico      | 6019 | COMPOSITE | (.030) (b)(A)   | 175 U            | A            |
| 12mm Tianjin Northglass Industrial Technical Co., Ltd    | Tianjin, China                    | 6044 | COMPOSITE | (.060) (b)(A)   | 175 U            | A            |
| 12mm TVITEC                                              | Cubillo del Sil, Spain            | 5519 | COMPOSITE | (.070) (ip)(A)  | 285 U            | A            |
| 12-16+mm Viracon Inc.                                    | Owatonna, MN                      | 4250 | COMP+CAN  | (.060) (ip)(A)  | 150 U            | A            |
| 12mm Viracon Inc.                                        | Statesboro, GA                    | 4784 | COMP+CAN  | (.090) (ip)(A)  | 165 U            | A            |
| 12mm Virginia Glass Products Corp.                       | Martinsville, VA                  | 5194 | COMPOSITE | (.060) (ip)(A)  | 100 U            | A            |
| 12mm W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA                      | 7077 | COMP+CAN  | (.035) (ip)(A)  | 250 U            | A            |
| 12, 20+mm Xiamen Togen Building Products Co., Ltd.       | Fujian, China                     | 6652 | COMPOSITE | (.035) (ip)(T)  | 125 U            | A            |
| <i>(H) Laminated Transparent Glass</i>                   |                                   |      |           |                 |                  |              |
| 16mm AJJ Glass Products Co., Ltd                         | Xiamen, Fujian                    | 7179 | COMP+CAN  | (.030) (b)(A)   | 125 U            | A            |
| 16+mm Eckelt Glas GmbH                                   | Steyr, Austria                    | 7266 | COMPOSITE | (.060) (ip)(A)  | 100 U            | A            |
| 16+mm Eckelt Glas GmbH                                   | Steyr, Austria                    | 7267 | COMPOSITE | (.060) (b)(A)   | 100 U            | A            |
| <i>(H) Laminated Transparent Glass</i>                   |                                   |      |           |                 |                  |              |
| 16+mm Crystal Art Glass Inc.                             | Brooklyn, NY                      | 6951 | COMP+CAN  | (.015) (ev)(A)  | 800 U            | A            |
| 16+mm Dongguan Dongfa Glass Product Co., Ltd             | Dongguan, Guangdong, China        | 4124 | COMP+CAN  | (.030) (b)(A)   | 285 U            | A            |
| 16+mm GlassecViracon                                     | Nazaré Paulista, São Paulo        | 6998 | COMP+CAN  | (.035) (ip)(A)  | 150 U            | A            |
| 16+mm Guangdong Golden Glass Technologies                | Shantou, Guangdong, China         | 4723 | COMP+CAN  | (.060) (ip)(A)  | 125 U            | A            |



***Certified Products-By Product Type***

|                                                                        |                                   | <u><b>SGCC #</b></u> | <u><b>Standard</b></u> | <u><b>Lab ID</b></u> | <u><b>Max Size<br/>Certified</b></u> | <u><b>ANSI<br/>CLASS</b></u> |
|------------------------------------------------------------------------|-----------------------------------|----------------------|------------------------|----------------------|--------------------------------------|------------------------------|
| <i>(H) Laminated Transparent Glass</i>                                 |                                   |                      |                        |                      |                                      |                              |
| 16+mm Guangdong Yingxing Special Glass Technology Development Co., Ltd | Dongguan City, Guangdong Province | 7096                 | COMPOSITE              | (.060) (b)(T)        | 125 U                                | A                            |
| 16mm Onyx Solar Energy, S.L.                                           | Avila, Spain                      | 7070                 | COMPOSITE              | (.035)x2 (ip)(HS)    | 100 U                                | A                            |
| 16mm Reem Emirates Aluminum & Glass                                    | Abu Dhabi, United Arab Emirates   | 6971                 | COMPOSITE              | (.060) (b)(A)        | 150 U                                | A                            |
| 16+mm Saint-Gobain Glassolutions Objekt-Center GmbH                    | Radeburg, Germany                 | 6801                 | COMP+CAN               | (.060) (b)(A)        | 100 U                                | A                            |
| 16+mm SG Glass Industries L.L.C.                                       | Miami Gardens, FL                 | 7112                 | COMP+CAN               | (.060) (ip)(A)       | 285 U                                | A                            |
| 16+mm Shanghai Hangqi Glass Co., LTD.                                  | Shanghai, China                   | 6844                 | COMPOSITE              | (.060) (b)(A)        | 200 U                                | A                            |
| 16-20+mm Vitelsa Mosquera                                              | Bogota, Cundinamarca,             | 6866                 | COMPOSITE              | (.035) (ip)(A)       | 285 U                                | B                            |
| 16mm Xiamen Togen Building Products Co., Ltd.                          | Fujian, China                     | 6653                 | COMPOSITE              | (.060) (b)(A)        | 125 U                                | A                            |
| <i>(H) Laminated Transparent Glass</i>                                 |                                   |                      |                        |                      |                                      |                              |
| 18+mm Tianjin Northglass Industrial Technical Co., Ltd                 | Tianjin, China                    | 5223                 | COMPOSITE              | (.060) (ip)(A)       | 175 U                                | A                            |
| <i>(H) Laminated Transparent Glass</i>                                 |                                   |                      |                        |                      |                                      |                              |
| 20+mm Beijing Wuhua Tianbao Glass Co.                                  | Beijing, China                    | 6911                 | COMPOSITE              | (.030) (b)(A)        | 125 U                                | A                            |

**SGCC® APPROVED TESTING LABORATORIES APPROVED FOR TESTING IN  
THE ANSI AND CAN/CSB CERTIFICATION PROGRAMS (SD-101)**

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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The ID of the Laboratory used for testing of each product is provided in the Certified Products "By Product Type" of this Certified Products Directory. **Please note:** For initial certification of prototype samples, the manufacturer pays the laboratory directly for testing and must contact the laboratory for prototype testing fees.