



safety glazing certification council

July 1, 2017

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

The SGCC® 2017 Fall Meeting



1000 Islands Harbor Hotel

200 Riverside Drive • Clayton, NY 13624 • (315) 686-1100

<http://www.1000islandsharborhotel.com/>

Located on the St. Lawrence River in the scenic 1000 Islands region of New York

Tentative Meeting Schedule

Monday, September 18th, 2017

5:30 PM SGCC Open Reception and Dinner **Open to all attendees**, At the Antique Boat Museum (www.abm.org) which is 5 minutes from the hotel, transportation provided. We hope to arrange a boat ride so please plan to bring weather appropriate clothing.

Tuesday, September 19th, 2017

8:00 - 12:00 SGCC Board of Directors Meeting (light breakfast and lunch provided-board and guests only)
1:00 - 4:30 SGCC® Certification Committee Meeting
4:30 - 4:45 SGCC® Participants Meeting
5:30 - 9:00 Reception/Dinner at Tin Pan Galley outdoor patio (weather permitting) Sackets Harbor, NY one block from AMS Offices (Approximately 35 min. from hotel)

Wednesday, September 20th, 2017

8:00 -11:00 SGCC® Certification Committee Meeting (light breakfast provided)

Hotel reservations can be made through 1000 Island Harbor Hotel at 1-315-686-1100 under the "SGCC Meeting" room block. A traditional room is \$179 plus tax rate per night with options for room upgrades available at an extra cost. Registration for the meeting must be completed by August 13, 2017. Please RSVP with Kelly Jenness-Dalaba kdalaba@amscert.com to confirm your attendance. **Again, AMS will plan to coordinate transportation to/from either the Watertown or Syracuse Airports.** Please let us know your arrival/departure time, flight and airline. If you have any questions or experience any difficulties making a reservation, please contact us at 315-646-2234 Ext. 201

July 1, 2017

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>

~ ~ ~

"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>

~~~

"National Standard of Canada - Tempered or Laminated Safety Glass CAN/CGSB 12.1-M17"

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  
[http://www.techstreet.com/standards/can-cgsb-12-1-m90?product\\_id=10492](http://www.techstreet.com/standards/can-cgsb-12-1-m90?product_id=10492)

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

PO Box 730  
205 W. Main Street  
Sackets Harbor, NY 13685  
Phone: (315) 646-2234 Fax (315) 646-2297  
[staff@amscert.com](mailto:staff@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®.

## Table of Contents

|                                                       |     |
|-------------------------------------------------------|-----|
| ANSI Z97.1-2015 .....                                 | 1   |
| CPSC 16 CFR 1201 .....                                | 1   |
| CAN/CGSB 12.1-M17 .....                               | 1   |
| Meetings of the Certification Committee .....         | 3   |
| Roster .....                                          | 3   |
| Program Concept .....                                 | 11  |
| Procedural Guide .....                                | 13  |
| Quality Assurance Program .....                       | 14  |
| Complaints and/or Appealing a Certified Product ..... | 15  |
| Certification Guidelines and Interpretations .....    | 18  |
| Laminated Glass .....                                 | 24  |
| SGCC® List of Accepted Interlayers .....              | 26  |
| SGCC® Advertising Guidelines .....                    | 29  |
| SGCC® Label Requirements .....                        | 30  |
| CPSC Act Labeling Requirements .....                  | 31  |
| Classified Tempered Glass Patterns .....              | 32  |
| Certified Products (Numerical Sequence) .....         | 34  |
| Certified Products (Alphabetically By Plant) .....    | 52  |
| Certified Products Key .....                          | 83  |
| Certified Products (By Product Type) .....            | 84  |
| SGCC® Approved Laboratories .....                     | 143 |

July 1, 2017

**~ 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 ~**

Administrator: Administrative Management Systems, Inc. (AMS)  
PO Box 730  
205 West Main Street  
Sackets Harbor, New York 13685  
Telephone: 315-646-2234  
Fax: 315-646-2297  
E-mail: [staff@amscert.com](mailto:staff@amscert.com)  
Website: [www.sgcc.org](http://www.sgcc.org)

**~ADMINISTRATIVE STAFF~**

John G. Kent, Administrative Manager  
Katrina Stafford, Program Manager  
Brandy Redder, Auditor Coordinator

Kelly Jenness-Dalaba, Program Coordinator  
Sara Connor, Program Coordinator  
Emily Morehouse, Program Coordinator

**~ ROSTER ~**

**~ SGCC® BOARD OF DIRECTORS ~**

**~ SGCC® OFFICERS ~**

|                |                     |
|----------------|---------------------|
| President      | Mr. Brian Louks     |
| Vice President | Mrs. June Willcott  |
| Secretary      | Mr. Shane Merryman  |
| Treasurer      | Ms. Elaine S Rodman |

**~ REPRESENTING PUBLIC INTEREST ~**

Mr. William Nugent  
Wiss, Janney, Elstner Associates, Inc.  
330 Pfingsten Road  
Northbrook, IL 60062-2095  
Phone: (847) 272-7400  
Fax: (847) 291-9599

Ms. Elaine S. Rodman  
Homeowners Association  
2300 Sample Road  
Allison Park, PA 15101  
Phone: (412) 487-2887

Ms. June Willcott  
Willcott Engineering, Inc.  
1727 North State Road 7  
Margate, FL 33063  
Phone: (954) 975-7979  
Fax: (954) 975-7509

Mr. Peter Weismantle  
Adrian Smith & Gordon Gill Architecture  
111 West Monroe, Suite 2300  
Chicago, IL 60603  
Phone: (312) 870-4126  
Fax: (312) 920-1775

Mr. Patrick Loughran  
Goettsch Partners, Architecture, Interiors, Planning, Enclosures  
224 South Michigan, Floor 17  
Chicago, IL 60604  
Phone: (312) 356-0600

July 1, 2017

**~ REPRESENTING INDUSTRY ~**

Mr. Richard Paschel  
Nashville Tempered Glass  
149-01 Hollywood Avenue  
Flushing, NY 11355  
Phone: (718) 888-9535

Mr. Rick Wright  
Oldcastle BuildingEnvelope®  
1273 N. Church Street, Suite 100A  
Moorestown, NJ 08057  
Phone: (856) 979-3622

Mr. Brian Louks  
Viracon Inc.  
800 Park Drive  
Owatonna, MN 55060  
Phone: (507) 444-3233

Mr. Shane Merryman  
Consolidated Glass  
1150 N. Cedar Street  
New Castle, PA 16103  
Phone: (724) 658-4541

Mr. Mark Cody  
AGC Flat Glass North America  
PO Box 929  
Kingsport, TN 37662  
Phone: (423) 229-7222

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

**~ COMMUNICATIONS ~**

In all matters concerning the administration and implementation of the SGCC® certification program, correspondence may be directed to any of the following:

Mr. Brian Louks, President  
SGCC® Board of Directors  
Viracon Inc.  
800 Park Drive  
Owatonna, MN 55060  
Phone: (507) 444-3233  
Fax: (507) 444-3556

Mr. Mark B. Cody, Chairman  
SGCC® Certification Committee  
AGC Flat Glass North America  
P.O. Box 929  
Kingsport, TN 37662  
Phone: (423) 229-7222

Mr. John G. Kent  
Program Administrator  
Administrative Management Systems, Inc. (AMS)  
P.O. Box 730  
205 W. Main Street  
Sackets Harbor, NY 13685  
Phone: (315) 646-2234  
Fax: (315) 646-2297

**~ LEGAL COUNSEL ~**

Mr. William M. Hannay, Esq.  
Schiff, Hardin & Waite  
233 S. Wacker Drive, Suite 6600  
Chicago, IL 60606  
Phone: (312) 258-5617  
Fax: (312) 258-5600

**~ FINANCIAL AUDITORS ~**

Mr. David Bowles  
Dermody, Burke & Brown CPA's LLC  
443 North Franklin Street  
Syracuse, NY 13204  
Phone: (315) 471-9171  
Fax: (315) 471-8555

**SGCC Certification Committee**

| <b>Licensee</b>                                  | <b>Primary Member</b> | <b>First Alternate</b> | <b>Second Alternate</b> |
|--------------------------------------------------|-----------------------|------------------------|-------------------------|
| A.L. Smith Glass Co. Inc.                        | Alton L. Smith Jr.    | Russel Hardy           |                         |
| AAG-AI Abbar Architectural Glass                 | Jean Lelievre         | Ezhilenth Narayanan    |                         |
| AGC Glass Company North America, Inc.            | Mark B. Cody          | Mark Ford              |                         |
| AGNORA (Architectural Glass North America)       | Jeff Wilkins          |                        |                         |
| Aldora Aluminum and Glass Products, Inc.         | Manny Valladares      |                        |                         |
| All Counties Glass Distributors                  | Dane Treiber          |                        |                         |
| All Glass (Suqian) Limited                       | Mr. Billy He          | Steven Shung           |                         |
| 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       |                        |                         |
| Asahi Glass Co., LTD.                            | Akihiko Saitoh        |                        |                         |
| Ascent Glass Products (Zhong Shan) Limited       | Yong Jian Huang       |                        |                         |
| ATI Windows                                      | Stephen Schwartz      |                        |                         |
| ATN Holding Inc.                                 | Rey Nea               |                        |                         |
| Avic Sanxin Co, Ltd                              | Wang Jinlin           | Sven Pan               |                         |
| Basco Engineered Products                        | Dale Schmidt          | Gary Brown             |                         |
| Beijing Wuhua Tianbao Glass Co.                  | Mr. Gao Hongwei       | Steven Shung           |                         |
| Bel Pre Glassworks Inc.                          | Jeffrey James         |                        |                         |
| Bel Shower Door Corporation                      | Bill Sain             | Ryan Sain              | Bill Folino             |
| Bendheim Wall Systems                            | Robert Jayson         | Michael Tryon          |                         |
| Benge Custom Specialties, LLC                    | Gary Benge            |                        |                         |
| 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           |                        |                         |
| Cameron Glass, Inc.                              | John Alajaji          | Troy Gillion           |                         |
| Cardinal IG                                      | Bernie Herron         | Robert Grommesh        | DJ Well                 |
| Carey Glass                                      | Michael Carew         |                        |                         |
| Cat-I Manufacturing, Inc.                        | Ryan O'Connell        | Travis Jaynes          |                         |
| Changshu Hard Glass Co., Ltd.                    | Yang Rong             |                        |                         |
| 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        |                        |                         |
| Classy Glass Specialties Co., Ltd                | Wang Hongmei          |                        |                         |
| ClearEdge Glass                                  | Brian LaBorde         |                        |                         |
| 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            |                         |

**SGCC Certification Committee**

| <b>Licensee</b>                                  | <b>Primary Member</b> | <b>First Alternate</b> | <b>Second Alternate</b> |
|--------------------------------------------------|-----------------------|------------------------|-------------------------|
| Comercial Dialum S.A.                            | Oscar Zavala          | Reynaldo Delgado       |                         |
| Commercial Insulating Glass Co.                  | Jeff Winsler          | Tom Willey             |                         |
| Consolidated Armor Products, LLC                 | Paul Sivertson        |                        |                         |
| Consolidated Glass Corp.                         | Shane Merryman        | Louis Merryman         | Carl Carmen             |
| Contour Industries, Inc.                         | Geoffrey Davis        | David Tomlinson        |                         |
| Contract Glass                                   | Bill Crawford         |                        |                         |
| Contractors Wardrobe                             | Jack Violante         |                        |                         |
| Coral Industries Glass Division                  | Eric Fleming          | Lance Hammond          |                         |
| Cristec Vipla SL                                 | Jaume Planes Olives   |                        |                         |
| Crystal Tempering, Inc.                          | Jose Hernandez        | Michelle Hernandez     |                         |
| Custom Glass Products Inc.                       | Eric Reeder           |                        |                         |
| Custom Glass Solutions Millbury Corp             | Wayne Griffin         | Laura Traver           |                         |
| Custom Industries, Inc.                          | Charlotte McAfee      |                        |                         |
| D3 Glass, LLC                                    | Doug Daubmann         |                        |                         |
| Dalian Dongsong Tempered Glass Products Co., Ltd | Yu Yingjuan           |                        |                         |
| Dalian Huaying Glass Limited Liability Co.       | Stephanie Shi         |                        |                         |
| 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              |                        |                         |
| 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            |                        |                         |
| Dongguan Trillion Aluminum Glass Co., Ltd        | David Chia            |                        |                         |
| Downey Glass Industries, LLC                     | Hugh Higgins          |                        |                         |
| Echols Glass and Mirror, Inc.                    | Ron Echols            |                        |                         |
| Eckelt Glas GmbH                                 | Christian Eckelt      |                        |                         |
| Edge Tempering                                   | Renildo Orduna        |                        |                         |
| EFCO Corporation                                 | Tim Fikkert           | Jeff Campbell          |                         |
| EFI                                              | Kenny McCutcheon      |                        |                         |
| Engineered Glass Products, L.L.C.                | Lurania Rollins       |                        |                         |
| Fairis C.A.                                      | Jorge Jaramillo       |                        |                         |
| FastTemp NYC LLC                                 | Armend Sulo           |                        |                         |
| Flat Glass Distributors, Inc.                    | Doug Lewis            |                        |                         |
| Flat Glass Group Co., Ltd.                       | David Wei             | Li Chunpeng            |                         |
| Foshan Gaoming Yaqi Toughened Glass              | Mr. Chen Liangwen     | Steven Shung           |                         |
| Foshan NanHai Gangsheng Tempered Glass Factor    | Grace Zhou            |                        |                         |
| Foshan Nanhai Yaoxiang Glass Product Co. Ltd.    | Mai Yao Dong          |                        |                         |
| Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.  | Zhiming Zeng          |                        |                         |
| Fujian Guangyao Glass Co., LTD.                  | Brook Woo             |                        |                         |
| 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          |                         |
| General Glass                                    | Greg Bakken           |                        |                         |
| GGI Glass Distributors Corp.                     | Christina Antunes     | David S. Balik         |                         |
| GLASPRO                                          | Rafael Perez          |                        |                         |
| Glass & Mirror Craft                             | Larry Abramowski      |                        |                         |
| Glass Dynamics, Inc.                             | Conrad Lankford       | Mike Lankford          |                         |
| Glass Enterprises Inc.                           | Joshua Burg           |                        |                         |



**SGCC Certification Committee**

| <b>Licensee</b>                                   | <b>Primary Member</b>  | <b>First Alternate</b> | <b>Second Alternate</b> |
|---------------------------------------------------|------------------------|------------------------|-------------------------|
| 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           |                        |                         |
| GnT Glass Co., Ltd.                               | Hao Bing Tian          |                        |                         |
| Goldray Industries Ltd.                           | Cathie Saroka          | Mike Saroka            |                         |
| Great Day Improvements, LLC                       | Kent Nusser            | Craig Cox              |                         |
| Guangdong Golden Glass Technologies Limited       | Wu Cong Zhen           |                        |                         |
| Guardian Glass, LLC                               | Wayne Griffin          | John Buckner           |                         |
| Guardian IG LLC                                   | Wayne Griffin          | Dave Cooper            | Mitch Edwards           |
| Gulf Glass Industries, Co. LTD                    | Samih Fatayerji        | Pascoal Dsilva         |                         |
| Hanwood Enterprises Limited                       | Ms. Kamay Chan         | Steven Shung           |                         |
| Henan Longwang Tempered Vacuum Glass Ltd.         | Yongqing Tian          |                        |                         |
| 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   |                        |                         |
| 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              |                        |                         |
| Interglass Corp                                   | Miguel Juliao          |                        |                         |
| Intex Glass (Xiamen) Co., Ltd.                    | Andy Yu                | Ms. Wendy Zhong        |                         |
| Intigral                                          | Mark Hutchinson        | Ed Hetrick             |                         |
| Intus Windows LLC                                 | Roland Talalas         |                        |                         |
| J&C International Ltd.                            | Lixin Chen             |                        |                         |
| Jiangyin Mingyang Glass Production                | Ms. Wang Lijuan        | Steven Shung           |                         |
| Jiaxing Joinbath Corporation                      | Mr. Chaunping Zhang    |                        |                         |
| Jin Yao Chang Tempered Glass Co., Ltd             | Ms. Li Qiming          | Steven Shang           |                         |
| 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          |
| Lamiver Inc.                                      | Martin Cormier         | Annie Cormier          |                         |
| LandGlass Technology Co., LTD                     | Yanbing Li             |                        |                         |
| 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- IA                          | Kevin Tyson            |                        |                         |
| Maryland Glass & Mirror                           | Matthew Dalbke         |                        |                         |
| McGrory Glass                                     | Gary McGrory           |                        |                         |
| Mercer Glass Fab LLC                              | Don Bielawski          |                        |                         |
| Midwest Glass Fabricators Inc.                    | Patrick Iaquinto       |                        |                         |
| Milgard Tempering                                 | Oscar Alarcon          | Eric Yarbrough         |                         |
| Nashville Tempered Glass Corp.                    | Bernard Bossuah        | Richard Paschel        |                         |
| New Angle Beveling                                | Marc Martell           |                        |                         |
| New Century Glass & Aluminum LLC                  | Jason Cao              |                        |                         |
| Ningbo XinShuGuang Safety Glass Limited Co., Ltd. | Luo Feng               |                        |                         |
| Ningbo Xinxin Glass Technology Co., Ltd           | Jessee Wu              |                        |                         |
| Northwestern Industries, Inc.- Seattle, WA        | Tammy Nguyen           | Henry Heiss            |                         |

**SGCC Certification Committee**

| <b>Licensee</b>                                     | <b>Primary Member</b>        | <b>First Alternate</b> | <b>Second Alternate</b> |
|-----------------------------------------------------|------------------------------|------------------------|-------------------------|
| NY Tempering LLC                                    | Haidong Weng                 |                        |                         |
| Oldcastle BuildingEnvelope®                         | Rick Wright                  | Robert Williams        |                         |
| Paragon Tempered Glass                              | Barry DeLong                 | T. Copsey              |                         |
| Pennsylvania Insulating Glass                       | Tim Wilkins                  |                        |                         |
| Perficom S.A. DE C.V.                               | Enrique Presa                |                        |                         |
| PFG Glass Industries                                | Steve Nielsen                |                        |                         |
| PGT Industries                                      | Rod Hershberger              |                        |                         |
| Phoenicia Flat Glass Industries                     | Mario Resch                  |                        |                         |
| Poma Glass & Specialty Windows Inc. dba AGC Gla     | Mark Cody                    | Mark Ford              |                         |
| Portland Glass Manufacturing                        | Dave Campbell                |                        |                         |
| Prelco Inc.                                         | Stephane Mercier             |                        |                         |
| PRESS GLASS SA                                      | Adam Wierzbowski             |                        |                         |
| 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 Verrier International Inc.                 | Victor Scherer               |                        |                         |
| PT Abebersa Pratama                                 | Mahud Halim                  |                        |                         |
| Pulp Studio Inc.                                    | Bernard Lax                  |                        |                         |
| Qingdao Jinjing Co., Ltd.                           | Pang Gang                    | Mark Wang              |                         |
| Qingdao Laurel Enterprise Co., Ltd.                 | Bruce Jia                    |                        |                         |
| Qinhuangdao Ampac Building Products Co., Ltd.       | Gwang H. Park                |                        |                         |
| Qinhuangdao Detai Tempered Glass Co., Ltd.          | Yijing Wang                  | Cindy Sun              |                         |
| Qinhuangdao Jingxin Glass Co., Ltd.                 | Dongsheng Yan                | Cindy Sun              |                         |
| Qinhuangdao Kunping Safety Glass Co. Ltd.           | Zhao Ping-Wang               |                        |                         |
| Qinhuangdao Mingjingyuan Safety Technology Tech     | Gavin Pan                    |                        |                         |
| Qinhuangdao Qicaishi Glass Processing Co., Ltd.     | Linda Qin                    | Cindy Sun              |                         |
| 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 Glass & Mirror, Inc.                        | Tom Markowski                |                        |                         |
| Quest Window Systems                                | Daniel Zalcmán               |                        |                         |
| 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                 |                        |                         |
| S.F. Tempering                                      | Jorge Ontiveros              | Salva Sorka            |                         |
| 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          |                         |
| Sanshiba                                            | Toshiaki Matsuda             |                        |                         |
| Saudi American Glass Company                        | Geoff Sparks                 |                        |                         |
| SCHOTT Gemtron - Sweetwater                         | Beena Walker                 | Jack Francis           |                         |
| SCHOTT Gemtron (Canada) Corporation                 | Bill Bartlett                | Bruce Busch            |                         |
| 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               |                        |                         |

**SGCC Certification Committee**

| <b>Licensee</b>                                   | <b>Primary Member</b>    | <b>First Alternate</b> | <b>Second Alternate</b> |
|---------------------------------------------------|--------------------------|------------------------|-------------------------|
| Shixing Glass (Fujian) Co., Ltd.                  | Zou Xiangjun             |                        |                         |
| Shower Doors & More Inc.                          | Page Giacin              | Larry Giacin           |                         |
| Sierra Glass Distributors                         | Jack Baum                |                        |                         |
| SIGCO, Inc.                                       | David A. McElhinny       |                        |                         |
| Simonton Windows                                  | Tina Seese               | Steven Saffell         |                         |
| Sky Land Tempering Glass Corp                     | Ricky Zeng               |                        |                         |
| Skyline Design                                    | David Wildfield          |                        |                         |
| Solar Seal Company-CT                             | Luis Ramos               | Eric Shaw              |                         |
| Solar Seal Company-MA                             | Eric Shaw                |                        |                         |
| Solar Seal Company-VA                             | Eric Shaw                |                        |                         |
| 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                |                        |                         |
| 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               |                        |                         |
| Techni-Glass, Inc.                                | Pat Murphy               | Jason Hooven           |                         |
| Tecnoglass S.A.                                   | Christian Daes           | Diana Lohrer           |                         |
| 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 Changjiang Glass Co., Ltd                      | Ms. Chen Mi              |                        |                         |
| 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              |                         |
| Thermoseal Industries, LLC                        | Richard Chubb            | Chris Cerchairo        |                         |
| 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           |                        |                         |
| Triview Glass Industries                          | Alex Kastaniuk           |                        |                         |
| Troy Systems LLC                                  | Ali Guney                |                        |                         |
| Trulite Glass and Aluminum Solutions              | Jeff Haberer             | Adrian Casas           |                         |
| TVITEC                                            | David Lopez              | Ms. Alexandra Gonzalez |                         |
| Tweddell's Inc.                                   | Corey Myer               | Ed Blair               |                         |
| U.S. Glass Distributors Inc.                      | Franco Alfano            | David Jaskulski        |                         |
| United Plate Glass Co., Inc.                      | Darin Vietmeier          |                        |                         |
| Unitex Glass Chengdu Co., Ltd                     | Andy Yu                  | Chen Xinhua            |                         |
| Upstate Glass Tempering Inc.                      | David Chavoly            | Allen Gottlieb         |                         |
| Valentini Glass & Components srl                  | Claudio Valentini        |                        |                         |
| Verre Concept Novatech                            | Nadine Tardif            |                        |                         |
| Vetzeria F. Illi Paci                             | Maurilio Paci            |                        |                         |
| Vidrio Bisel S.A. de C.V.                         | Ignacio Flores Suarez    |                        |                         |

**SGCC Certification Committee**

| <b>Licensee</b>                                       | <b>Primary Member</b>   | <b>First Alternate</b> | <b>Second Alternate</b> |
|-------------------------------------------------------|-------------------------|------------------------|-------------------------|
| Vidrios el Castillo SC del RL de CV                   | Carlos Benet Trad       | Gabriel Howerton       |                         |
| View Inc.                                             | Joe Crouson             |                        |                         |
| Viracon Inc.                                          | Brian Louks             | Don Boutelle           |                         |
| Virginia Glass Products Corp.                         | W. Chris Beeler         | Rodney Keatts          |                         |
| VistaGlass Direct                                     | Kevin Roth              |                        |                         |
| 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 Glass Group                                    | Dave Buck               |                        |                         |
| 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 Golden Glass Technologies, Ltd.               | Wu Cong Zhen            |                        |                         |
| Xianning CSG Energy Conservation Glass Co., LTD.      | Ms. Yu Jiao             | Steven Shung           |                         |
| 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        | Steven Shung           |                         |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Ms. Meng Qingxian       | Steven Shung           |                         |

**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 |

July 1, 2017

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-M90

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.

July 1, 2017

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.

## **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 must include the location and appropriate signatures of their manufacturer for each location.

July 1, 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. **Test reports are valid for initial certification if the report date is within 60 days.** (Revised 7/1/2016)
- c) The applicant sends to SGCC® the certification fee for each item to be certified. (Revised 11/4/2015)
- d) (Deleted 10/21/07)

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 10/12/2006)**

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 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

### **HOW THE CERTIFICATION PROGRAM WORKS**

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

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



July 1, 2017

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 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),

July 1, 2017

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.

## **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.

July 1, 2017

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;

July 1, 2017

- 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 (ANSI ONLY)

Safety glazing materials for which certification is requested for indoor use only shall be subjected to the provisions of section 5.1 (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.

G.8 (Deleted 4/29/2010)

G. 9 (Deleted 7/1/2016)

G.10

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.
- 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:

July 1, 2017

- 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. A letter will follow the phone call.
- c) For all overdue invoices, as of May 15 and November 15, an overnight letter, return receipt requested, will be sent warning of de-certification if payment is not received within 15 days.
- d) Letters of de-certification will be sent certified mail fifteen (15) days from the mailing of the overnight letter if payment is not received. With de-certification, a licensee will no longer be an SGCC® participant and its certified products 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, wired 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.

July 1, 2017

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:

| Patterned Depth Class   | Ratio             |
|-------------------------|-------------------|
| 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**

For the 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 "SGCC® Proposal for the Certification of Laminated Glass" dated November 5, 2007 available at [www.sgcc.org](http://www.sgcc.org)) (Added 4/2/2008)

L.1

Certification of clear laminated glass will also cover tinted, heat absorbing, and coated glasses, clear or tinted interlayer, flat, patterned, and bent laminates of the same nominal thickness. (Revised 10/14/2016)

L.2

In cases where certified laminated 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 weeks.

L.3 (Deleted 4/2/2008)

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. (Revised 4/2/2008)

L.5

Laminated safety glass shall be identified by type of base glass, per Guideline L.8, and certified in 1 of 3 product type codes (A, HS, T). In consideration of Guideline L.1, Laminated Transparent Glass (LTG) is defined as 2 or more lites of glass with the same family of polymer (interlayer(s)) between the lites. Laminated Patterned glass (LPG) shall be defined the same as LTG except that at least one lite shall be patterned glass. Laminated Specialty Product (LSP) shall be defined as 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 LSP, changes in material of plies or insert and changes in thickness of insert shall require separate certification. Changes in coatings, color or decorative pattern shall be included in the same certification. (Revised 10/2/2014)

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                     | .115-.148         |
| 4.0       | 3.79-4.57          | 5/32                    | .149-.179         |
| 5.0       | 4.58-5.56          | 3/16                    | .180-.218         |
| 6.0       | 5.57-7.41          | 1/4                     | .219-.291         |
| 8.0       | 7.42-9.01          | 5/16                    | .292-.354         |
| 10.0      | 9.02-11.91         | 3/8                     | .355-.468         |
| 12.0      | 11.92-15.11        | 1/2                     | .469-.594         |
| 16.0      | 15.12- and greater | 5/8                     | .595- and greater |

L.8

Laminated glass shall be certified by its base glass heat treating (A= annealed, HS= heat strengthened, T= tempered). When a laminated annealed glass (A) is tested and certified, other laminated glasses having the same nominal thickness or thicknesses of heat strengthened (HS) or tempered glass (T) 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). (Revised 9/17/2013)

L.9

When laminated glass is not available for routine sampling, the licensee submitted specimens must contain the identical nominal thickness interlayer that was contained in the prototype specimens. (Revised 4/2/2008)

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)

| Generic Code | Description                                 | Generic Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Description                                | In order for a laminated glass product to become or remain SGCC Certified, the interlayer used by the manufacturer must be on this list.                                       |
|--------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (b)          | Poly Vinyl Butral                           | (p)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Polyethylene Terephthalate                 | 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. |
| (ip)         | Ionoplast                                   | (f)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Fluorinated Ethylene Propylene             |                                                                                                                                                                                |
| (lc)         | Liquid Resin - Multi Component              | (u)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Polyurethane                               |                                                                                                                                                                                |
| (lu)         | Liquid Resin - UV Cure                      | (ev)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ethylene-Vinyl Acetate                     |                                                                                                                                                                                |
| (el)         | Epoxy-Liquid Crystal Polymer                | 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. <u>All Indoor use only products must submit Indoor Use Only Weathering requirements to ANSI Z97.1-2015 by 12/31/2016 to maintain approval on this list. Interlayer suppliers not providing weathering data to SGCC by 12/31/16, will no longer be available for manufacturers to use in SGCC certified products. (7/1/16)</u> |                                            |                                                                                                                                                                                |
| Generic Code | Supplier                                    | Interlayer Brand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Interlayer Formulations                    | Weathering Data                                                                                                                                                                |
| (b)          | Eastman Chemical Company (formerly Solutia) | Saflex IIIG/Vanceva                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Series A, C, D, F, H, M, N, P, R, S, W     | Solutia Report 8/11                                                                                                                                                            |
| (b)          | Eastman Chemical Company (formerly Solutia) | Saflex Specialty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Saflex Q, AG, DB/DS                        | Solutia Report 8/11                                                                                                                                                            |
| (b)          | Eastman Chemical Company (formerly Solutia) | Saflex Composite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Saflex V, K series                         | Solutia Report 8/11                                                                                                                                                            |
| (b)          | Kuraray (formerly DuPont)                   | SentryGlas Expressions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            | DuPont Report 3/11                                                                                                                                                             |
| (b)          | Kuraray (formerly DuPont)                   | Butacite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50-56, 551-553                             | DuPont Report 3/11                                                                                                                                                             |
| (b)          | Kuraray                                     | Trosifol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BG, AF, SC, VG, XT90, Solar R40, HR100, ES | Kuraray Report 5/23/12                                                                                                                                                         |
| (b)          | Chang Chun                                  | Winlite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (0.015)                                    | Guardian Report ALR 13-266                                                                                                                                                     |
| (b)          | Sekisui S-Lec America LLC                   | Sekisui S-LEC Film & Sekisui S-LEC Acoustic Film                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (0.03)                                     | ATI Report C0265.02-122-37 & C0265.01-122-37 6/12/12                                                                                                                           |
| (b)          | Everlam S.A.                                | EVERLAM™ NC 010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (0.015)                                    | Intertek report E1130.-02-106-31 2/18/16                                                                                                                                       |
| (ip)         | Kuraray (formerly DuPont)                   | SentryGlas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (0.035)                                    | DuPont Report 3/11                                                                                                                                                             |
| (lu)         | Bestroom Co. Ltd.                           | UVLAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (0.040)                                    | Bestroom Laboratory Report 1/17/11                                                                                                                                             |
| (lu)         | ALLNEX                                      | UVEKOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (0.040)                                    | Allnex Statement 3/14/14                                                                                                                                                       |
| (ev)         | Interlayer Solutions, inc.                  | EVALAYER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (0.015)                                    | Interlayer Solutions Inc. Performance Report 7/8/15                                                                                                                            |
| (ev)         | Bridgestone                                 | EVASAFE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (0.015)                                    | Intertek/ATI Report 3/2/15                                                                                                                                                     |
| (ev)(p)      | Folienwerk Wolfen GmbH                      | Evguard® and Hybrid MPE Interlayers                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (.015)(.008)(.015)                         | Blackwater Testing 11/15                                                                                                                                                       |
| (ev)         | Folienwerk Wolfen GmbH                      | Evguard® Film only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (.015) & (.030)                            | Blackwater Testing 11/15                                                                                                                                                       |
| (ev)         | Hornos Industriales Pujol, S.A.             | EVALAM Crystal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (0.015)                                    | Pujol 8/11/16                                                                                                                                                                  |
| (ev)         | Hornos Industriales Pujol, S.A.             | EVALAM Visual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (0.015)                                    | Pujol 8/11/16                                                                                                                                                                  |
| (el)(p)      | Polytronix, Inc.                            | Polyvision Film                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (0.075)                                    | INDOOR USE ONLY – NO WEATHERING DATA ON FILE <b>MUST RECEIVE WEATHERING DATA BY 12/31/16 OR WILL BE REMOVED SEE NOTE ABOVE</b>                                                 |

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-D4802-88, Table 2 and Table 3.
- Outdoor use plastic materials Categories M-1 and M-2 extruded Acrylic: As specified in ASTM-D4802-88 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 (paragraph 5.3) 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 5.3 of ANSI Z97.1 (UV Weathering), but must comply with paragraph 5.4.

### **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). For organic coated - hybrid, reference memorandum 940329-1.

### **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)

**~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/CSGB) 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/CSGB 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/CSGB 12.1-2017             | CAN/CSGB 12.1-2017             | CAN/CSGB 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)**

"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)**

"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 KD)

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    |      |      |      |     |     |      |     |     |     |     |  |
| Listral F         | Saint Gobain |                           | M    |      |      |      |     |     |      |     |     |     |     |  |
| Listral K         | Saint Gobain |                           | S    |      |      |      |     |     |      |     |     |     |     |  |

| 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 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    |      |      |      |     |     |      |     |     |     |     |
| Wired 1/2"      | Saint Gobain   |                           |      |      |      |      | S   |     |      |     |     |     |     |
| Wired 1/2"      | Saint Gobain   |                           |      |      |      |      |     | S   |      |     |     |     |     |
| Wired Abstract  | Saint Gobain   |                           |      |      |      |      |     | M   |      |     |     |     |     |
| Wired Listral   | Saint Gobain   |                           |      |      |      |      | S   |     |      |     |     |     |     |
| Wired Waterdrop | Saint Gobain   |                           |      |      |      |      |     | M   |      |     |     |     |     |
| Yacare*         | Pilkington     |                           | M    |      |      |      |     |     |      |     |     |     |     |
| Zefiro Weiss    | Saint Gobain   |                           | M    |      |      |      |     |     |      |     |     |     |     |

*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                      | <i>SGCC No.</i> |                                       | <i>SGCC No.</i> |                                         |
|-----------------|--------------------------------------|-----------------|---------------------------------------|-----------------|-----------------------------------------|
| 12              | Virginia Glass Products Corp.        | 1416            | Nashville Tempered Glass Corp.        | 1806            | Cardinal TG                             |
| 14              | Virginia Glass Products Corp.        | 1417            | Nashville Tempered Glass Corp.        | 1807            | Cardinal TG                             |
| 89              | AGC Flat Glass North America         | 1422            | SCHOTT Gemtron - Sweetwater           | 1826            | Guardian Glass, LLC                     |
| 90              | AGC Flat Glass North America         | 1424            | SCHOTT Gemtron - Sweetwater           | 1827            | Cardinal IG                             |
| 93              | Virginia Glass Products Corp.        | 1467            | Nashville Tempered Glass Corp.        | 1828            | Cardinal IG                             |
| 94              | Virginia Glass Products Corp.        | 1477            | SCHOTT Gemtron - Sweetwater           | 1829            | Cardinal IG                             |
| 95              | Virginia Glass Products Corp.        | 1508            | Viracon Inc.                          | 1830            | Cardinal IG                             |
| 131             | Guardian Glass, LLC                  | 1509            | Viracon Inc.                          | 1831            | Cardinal IG                             |
| 220             | AGC Flat Glass North America         | 1546            | Oldcastle BuildingEnvelope®           | 1834            | Cardinal IG                             |
| 249             | Vitro Flat Glass, LLC (formerly PPG) | 1547            | Oldcastle BuildingEnvelope®           | 1841            | Cardinal IG                             |
| 250             | Vitro Flat Glass, LLC (formerly PPG) | 1548            | Oldcastle BuildingEnvelope®           | 1842            | Cardinal IG                             |
| 300             | Saand Webster                        | 1549            | Oldcastle BuildingEnvelope®           | 1843            | Cardinal IG                             |
| 382             | Vitro Flat Glass, LLC (formerly PPG) | 1550            | Oldcastle BuildingEnvelope®           | 1844            | Cardinal IG                             |
| 471             | Saand Webster                        | 1551            | Oldcastle BuildingEnvelope®           | 1845            | Cardinal IG                             |
| 514             | Oldcastle BuildingEnvelope®          | 1555            | Swift Glass Co., Inc.                 | 1865            | Guardian Glass, LLC                     |
| 515             | Oldcastle BuildingEnvelope®          | 1556            | Swift Glass Co., Inc.                 | 1871            | Solar Seal Massachusetts                |
| 516             | Oldcastle BuildingEnvelope®          | 1557            | Swift Glass Co., Inc.                 | 1882            | Guardian Glass, LLC                     |
| 520             | Anthony International                | 1558            | Swift Glass Co., Inc.                 | 1889            | Commercial Insulating Glass Co.         |
| 587             | AGC Flat Glass North America         | 1559            | Swift Glass Co., Inc.                 | 1890            | Commercial Insulating Glass Co.         |
| 598             | AGC Flat Glass North America         | 1575            | Custom Glass Solutions Millbury Corp. | 1891            | Commercial Insulating Glass Co.         |
| 630             | Oldcastle BuildingEnvelope®          |                 |                                       | 1901            | EFCO Corporation                        |
| 631             | Guardian Glass, LLC                  | 1576            | Custom Glass Solutions Millbury Corp. | 1902            | EFCO Corporation                        |
| 662             | Saand Webster                        |                 |                                       | 1910            | Coral Industries Glass Division         |
| 675             | Vitro Flat Glass, LLC (formerly PPG) | 1577            | Custom Glass Solutions Millbury Corp. | 1911            | Coral Industries Glass Division         |
| 933             | Guardian Glass, LLC                  | 1607            | Saand Webster                         | 1921            | Cardinal CG                             |
| 934             | Guardian Glass, LLC                  | 1608            | Oldcastle BuildingEnvelope®           | 1922            | Cardinal CG                             |
| 935             | Oldcastle BuildingEnvelope®          | 1609            | Oldcastle BuildingEnvelope®           | 1923            | Cardinal CG                             |
| 955             | AGC Flat Glass North America         | 1630            | Guardian Glass, LLC                   | 1924            | Cardinal CG                             |
| 968             | Guardian Glass, LLC                  | 1631            | Guardian Glass, LLC                   | 1939            | Solar Seal Massachusetts                |
| 969             | Guardian Glass, LLC                  | 1632            | Guardian Glass, LLC                   | 1964            | Coral Industries Glass Division         |
| 970             | Guardian Glass, LLC                  | 1633            | Guardian Glass, LLC                   | 1979            | Kohler Company                          |
| 971             | Guardian Glass, LLC                  | 1634            | Guardian Glass, LLC                   | 1980            | Kohler Company                          |
| 999             | Anthony International                | 1635            | Guardian Glass, LLC                   | 1981            | Kohler Company                          |
| 1000            | Anthony International                | 1637            | Viracon Inc.                          | 1982            | Kohler Company                          |
| 1035            | Solar Seal Massachusetts             | 1677            | Contour Industries, Inc.              | 1983            | Kohler Company                          |
| 1036            | Solar Seal Massachusetts             | 1678            | Contour Industries, Inc.              | 1984            | Kohler Company                          |
| 1037            | Solar Seal Massachusetts             | 1680            | Contour Industries, Inc.              | 1985            | Cardinal CG                             |
| 1110            | Vitro Flat Glass, LLC                | 1683            | Guardian Glass, LLC                   | 1986            | Cardinal CG                             |
| 1111            | Vitro Flat Glass, LLC                | 1702            | AGC Flat Glass North America          | 1987            | Cardinal CG                             |
| 1112            | Vitro Flat Glass, LLC                | 1703            | AGC Flat Glass North America          | 1988            | Cardinal CG                             |
| 1113            | Vitro Flat Glass, LLC                | 1704            | AGC Flat Glass North America          | 1991            | Berkowitz, J.E.                         |
| 1139            | AGC Flat Glass North America         | 1705            | AGC Flat Glass North America          | 1993            | Tecnoglass S.A.                         |
| 1201            | SCHOTT Gemtron - Sweetwater          | 1754            | All Team Glass & Mirror, Ltd.         | 1994            | Tecnoglass S.A.                         |
| 1216            | Saand Webster                        | 1755            | All Team Glass & Mirror, Ltd.         | 1995            | Tecnoglass S.A.                         |
| 1235            | Saand Webster                        | 1756            | All Team Glass & Mirror, Ltd.         | 1997            | Oldcastle BuildingEnvelope® Canada Inc. |
| 1248            | Guardian Glass, LLC                  | 1757            | All Team Glass & Mirror, Ltd.         |                 |                                         |
| 1249            | Guardian Glass, LLC                  | 1758            | All Team Glass & Mirror, Ltd.         | 1998            | Consolidated Glass Corp.                |
| 1250            | Guardian Glass, LLC                  |                 |                                       | 1999            | Consolidated Glass Corp.                |
| 1251            | Guardian Glass, LLC                  | 1784            | Trulite Glass and Aluminum Solutions  | 2002            | Consolidated Glass Corp.                |
| 1253            | Guardian Glass, LLC                  | 1785            | Trulite Glass and Aluminum Solutions  | 2003            | Consolidated Glass Corp.                |
| 1301            | Guardian Glass, LLC                  | 1786            | Trulite Glass and Aluminum Solutions  | 2004            | Consolidated Glass Corp.                |
| 1303            | Guardian Glass, LLC                  | 1787            | Trulite Glass and Aluminum Solutions  | 2005            | Consolidated Glass Corp.                |
| 1304            | Guardian Glass, LLC                  | 1788            | Trulite Glass and Aluminum Solutions  | 2007            | Cardinal CG                             |
| 1332            | SCHOTT Gemtron - Sweetwater          | 1790            | Trulite Glass and Aluminum Solutions  | 2008            | Cardinal CG                             |
| 1334            | SCHOTT Gemtron - Sweetwater          | 1803            | Guardian Glass, LLC                   | 2009            | Cardinal CG                             |
| 1403            | Viracon Inc.                         | 1804            | Cardinal TG                           | 2010            | Cardinal CG                             |
| 1404            | Viracon Inc.                         | 1805            | Cardinal TG                           | 2011            | Cardinal CG                             |

*Certified Products-Numerical Sequence*

| SGCC No. |                                            | SGCC No. |                                  | SGCC No. |                                             |
|----------|--------------------------------------------|----------|----------------------------------|----------|---------------------------------------------|
| 2012     | Cardinal CG                                | 2228     | GGI Glass Distributors Corp.     | 2445     | Goldray Industries Ltd.                     |
| 2013     | Cardinal CG                                | 2231     | Cardinal IG                      | 2446     | Goldray Industries Ltd.                     |
| 2015     | Prelco Inc.                                | 2232     | Cardinal IG                      | 2447     | Goldray Industries Ltd.                     |
| 2020     | Guardian Glass, LLC                        | 2233     | Cardinal IG                      | 2448     | Goldray Industries Ltd.                     |
| 2021     | Guardian Glass, LLC                        | 2234     | Cardinal IG                      | 2449     | Goldray Industries Ltd.                     |
| 2022     | Guardian Glass, LLC                        | 2235     | Cardinal IG                      | 2451     | Saand Webster                               |
| 2023     | Guardian Glass, LLC                        | 2259     | Guardian Glass, LLC              | 2453     | Anthony International                       |
| 2024     | Guardian Glass, LLC                        | 2260     | Guardian Glass, LLC              | 2455     | Cameron Glass, Inc.                         |
| 2032     | Cameron Glass, Inc.                        | 2261     | Guardian Glass, LLC              | 2458     | Guardian Glass, LLC                         |
| 2033     | Cameron Glass, Inc.                        | 2262     | Guardian Glass, LLC              | 2459     | Guardian Glass, LLC                         |
| 2034     | Prelco Inc.                                | 2282     | GGI Glass Distributors Corp.     | 2460     | Guardian Glass, LLC                         |
| 2035     | Prelco Inc.                                | 2285     | Cardinal IG                      | 2462     | Cardinal LG                                 |
| 2048     | Prelco Inc.                                | 2286     | Cardinal IG                      | 2467     | United Plate Glass Co., Inc.                |
| 2050     | Intigral                                   | 2287     | Tecnoglass S.A.                  | 2468     | United Plate Glass Co., Inc.                |
| 2051     | Intigral                                   | 2289     | Anthony International            | 2469     | United Plate Glass Co., Inc.                |
| 2052     | Intigral                                   | 2293     | Cardinal CG                      | 2470     | United Plate Glass Co., Inc.                |
| 2055     | Intigral                                   | 2294     | Cardinal CG                      | 2471     | United Plate Glass Co., Inc.                |
| 2057     | Patio Enclosures                           | 2295     | Cardinal CG                      | 2481     | SAAND Toronto                               |
| 2062     | Oldcastle BuildingEnvelope®<br>Canada Inc. | 2296     | Cardinal CG                      | 2482     | SAAND Toronto                               |
| 2063     | Oldcastle BuildingEnvelope®<br>Canada Inc. | 2306     | Anthony International            | 2484     | SAAND Toronto                               |
| 2067     | Cardinal CG                                | 2307     | Anthony International            | 2488     | Kawneer - (Cranberry) an Arconic<br>Company |
| 2068     | Cardinal CG                                | 2310     | Viracon Inc.                     | 2489     | Kawneer - (Cranberry) an Arconic<br>Company |
| 2069     | Cardinal CG                                | 2311     | Viracon Inc.                     | 2490     | Kawneer - (Cranberry) an Arconic<br>Company |
| 2070     | Cardinal CG                                | 2314     | Viracon Inc.                     | 2494     | Nashville Tempered Glass Corp.              |
| 2071     | Cardinal CG                                | 2317     | Cardinal IG                      | 2497     | Nashville Tempered Glass Corp.              |
| 2074     | Oldcastle BuildingEnvelope®                | 2318     | Cardinal IG                      | 2498     | Multiver                                    |
| 2133     | Tecnoglass S.A.                            | 2319     | Cardinal IG                      | 2499     | Multiver                                    |
| 2134     | Tecnoglass S.A.                            | 2320     | Cardinal IG                      | 2501     | Cameron Glass, Inc.                         |
| 2135     | Tecnoglass S.A.                            | 2321     | Cardinal IG                      | 2507     | AGC-Poma Glass Co. N.A.                     |
| 2143     | EFCO Corporation                           | 2322     | Cardinal IG                      | 2509     | AGC-Poma Glass Co. N.A.                     |
| 2144     | Coral Industries Glass Division            | 2323     | Cardinal IG                      | 2510     | AGC-Poma Glass Co. N.A.                     |
| 2145     | Coral Industries Glass Division            | 2328     | Cardinal IG                      | 2519     | Guardian Glass, LLC                         |
| 2146     | Cardinal CG                                | 2329     | Cardinal IG                      | 2543     | Oldcastle BuildingEnvelope®<br>Canada Inc.  |
| 2176     | Cardinal IG                                | 2330     | Cardinal IG                      | 2544     | Oldcastle BuildingEnvelope®<br>Canada Inc.  |
| 2177     | Cardinal IG                                | 2331     | Cardinal IG                      | 2545     | Guardian Glass, LLC                         |
| 2178     | Cardinal IG                                | 2352     | Anthony International            | 2547     | Techni-Glass, Inc.                          |
| 2179     | Cardinal IG                                | 2353     | Anthony International            | 2548     | Techni-Glass, Inc.                          |
| 2182     | Virginia Glass Products Corp.              | 2354     | Consolidated Glass Corp.         | 2549     | Techni-Glass, Inc.                          |
| 2185     | Glaz-Tech Industries, Inc.                 | 2355     | Consolidated Glass Corp.         | 2550     | Techni-Glass, Inc.                          |
| 2186     | Glaz-Tech Industries, Inc.                 | 2357     | Cardinal CG                      | 2569     | Bendheim Wall Systems                       |
| 2187     | Glaz-Tech Industries, Inc.                 | 2358     | Cardinal CG                      | 2570     | Bendheim Wall Systems                       |
| 2189     | Glaz-Tech Industries, Inc.                 | 2359     | Cardinal CG                      | 2572     | Intex Glass (Xiamen) Co., Ltd.              |
| 2193     | Glaz-Tech Industries, Inc.                 | 2360     | Cardinal CG                      | 2573     | Intex Glass (Xiamen) Co., Ltd.              |
| 2203     | Cardinal IG                                | 2365     | Tecnoglass S.A.                  | 2574     | Intex Glass (Xiamen) Co., Ltd.              |
| 2204     | Cardinal IG                                | 2381     | Prelco Inc.                      | 2575     | Intex Glass (Xiamen) Co., Ltd.              |
| 2205     | Cardinal IG                                | 2382     | Guardian Glass, LLC              | 2576     | Intex Glass (Xiamen) Co., Ltd.              |
| 2210     | Oldcastle BuildingEnvelope®                | 2389     | PGT Industries                   | 2577     | Intex Glass (Xiamen) Co., Ltd.              |
| 2211     | Oldcastle BuildingEnvelope®                | 2390     | PGT Industries                   | 2578     | Amsco Windows                               |
| 2212     | Oldcastle BuildingEnvelope®                | 2391     | PGT Industries                   | 2580     | Amsco Windows                               |
| 2213     | Oldcastle BuildingEnvelope®                | 2397     | Cardinal IG                      | 2581     | Amsco Windows                               |
| 2214     | Oldcastle BuildingEnvelope®                | 2399     | Cardinal IG                      | 2582     | Amsco Windows                               |
| 2215     | Oldcastle BuildingEnvelope®                | 2417     | Nashville Tempered Glass Corp.   | 2584     | Amsco Windows                               |
| 2216     | Oldcastle BuildingEnvelope®                | 2420     | Nashville Tempered Glass Corp.   |          |                                             |
| 2226     | GGI Glass Distributors Corp.               | 2423     | Valentini Glass & Components srl |          |                                             |
| 2227     | GGI Glass Distributors Corp.               | 2426     | PGT Industries                   |          |                                             |
|          |                                            | 2432     | Changshu Zhongxin Bldg. Mat. Co. |          |                                             |
|          |                                            | 2434     | Kohler Company                   |          |                                             |

*Certified Products-Numerical Sequence*

| SGCC No. |                                          | SGCC No. |                                      | SGCC No. |                                     |
|----------|------------------------------------------|----------|--------------------------------------|----------|-------------------------------------|
| 2589     | Engineered Glass Products, L.L.C.        | 2840     | Trulite Glass and Aluminum Solutions | 2983     | Quality Glass & Mirror, Inc.        |
| 2603     | Saand Webster                            | 2842     | Milgard Tempering                    | 2984     | Quality Glass & Mirror, Inc.        |
| 2629     | Multiver                                 | 2850     | Eckelt Glas GmbH                     | 2985     | Quaker Window Products, Inc.        |
| 2644     | Coral Industries Glass Division          | 2851     | Eckelt Glas GmbH                     | 2986     | Quaker Window Products, Inc.        |
| 2646     | Berkowitz, J.E.                          | 2852     | Eckelt Glas GmbH                     | 2987     | Changshu Hard Glass Co., Ltd.       |
| 2647     | Berkowitz, J.E.                          | 2853     | Eckelt Glas GmbH                     | 2988     | Changshu Hard Glass Co., Ltd.       |
| 2649     | Guardian Glass, LLC                      | 2854     | Eckelt Glas GmbH                     | 3001     | Solar Seal Massachusetts            |
| 2654     | Syracuse Glass Co., Inc.                 | 2855     | Eckelt Glas GmbH                     | 3002     | Guardian Glass, LLC                 |
| 2656     | Syracuse Glass Co., Inc.                 | 2857     | Cardinal IG                          | 3003     | Guardian Glass, LLC                 |
| 2657     | Syracuse Glass Co., Inc.                 | 2858     | Cardinal IG                          | 3017     | Diubak Corporation                  |
| 2661     | Downey Glass Industries, LLC             | 2859     | Cardinal IG                          | 3018     | Diubak Corporation                  |
| 2662     | Downey Glass Industries, LLC             | 2878     | Cardinal IG                          | 3019     | Diubak Corporation                  |
| 2663     | Downey Glass Industries, LLC             | 2879     | Cardinal IG                          | 3023     | SAAND Toronto                       |
| 2664     | Downey Glass Industries, LLC             | 2880     | Cardinal IG                          | 3024     | Saand Webster                       |
| 2665     | Downey Glass Industries, LLC             | 2881     | Cardinal IG                          | 3025     | Intex Glass (Xiamen) Co., Ltd.      |
| 2666     | AGC-Poma Glass Co. N.A.                  | 2884     | Oldcastle BuildingEnvelope®          | 3027     | Anthony International               |
| 2678     | Kawneer - (Cranberry) an Arconic Company |          | Canada Inc.                          | 3028     | SIGCO, Inc.                         |
| 2684     | Paragon Tempered Glass                   | 2885     | Oldcastle BuildingEnvelope®          | 3039     | American Shower Door                |
| 2685     | Paragon Tempered Glass                   |          | Canada Inc.                          | 3040     | American Shower Door                |
| 2686     | Paragon Tempered Glass                   | 2887     | Simonton Windows                     | 3041     | American Shower Door                |
| 2687     | Paragon Tempered Glass                   | 2888     | Simonton Windows                     | 3042     | American Shower Door                |
| 2688     | Paragon Tempered Glass                   | 2894     | Tecnoglass S.A.                      | 3043     | American Shower Door                |
| 2691     | Nashville Tempered Glass LLC             | 2898     | Valentini Glass & Components srl     | 3053     | Xinyi Group (Glass) Co., Ltd.       |
| 2692     | Nashville Tempered Glass LLC             | 2904     | Changshu Hard Glass Co., Ltd.        | 3054     | Xinyi Group (Glass) Co., Ltd.       |
| 2693     | Nashville Tempered Glass LLC             | 2909     | Cardinal FG                          | 3055     | Xinyi Group (Glass) Co., Ltd.       |
| 2694     | Nashville Tempered Glass LLC             | 2910     | Cardinal FG                          | 3056     | Xinyi Group (Glass) Co., Ltd.       |
| 2699     | Cardinal CG                              | 2911     | Cardinal FG                          | 3060     | Techni-Glass, Inc.                  |
| 2700     | Cardinal CG                              | 2912     | Cardinal FG                          | 3061     | Techni-Glass, Inc.                  |
| 2701     | Cardinal CG                              | 2918     | Kohler Company                       | 3062     | Techni-Glass, Inc.                  |
| 2702     | Cardinal CG                              | 2919     | Cardinal IG                          | 3067     | SCHOTT Gemtron (Canada) Corporation |
| 2705     | Cardinal CG                              | 2920     | Cardinal IG                          | 3068     | Cardinal IG                         |
| 2713     | Prelco Inc.                              | 2921     | Cardinal IG                          | 3069     | Cardinal IG                         |
| 2715     | Kawneer - (Cranberry) an Arconic Company | 2922     | Cardinal IG                          | 3070     | Cardinal IG                         |
| 2716     | Kawneer - (Cranberry) an Arconic Company | 2923     | Cardinal IG                          | 3071     | Cardinal IG                         |
| 2719     | Kawneer - (Cranberry) an Arconic Company | 2924     | Cardinal IG                          | 3072     | Cardinal IG                         |
| 2728     | Glass Dynamics, Inc.                     | 2928     | GGI Glass Distributors Corp.         | 3073     | Cardinal IG                         |
| 2729     | Glass Dynamics, Inc.                     | 2944     | Coral Industries Glass Division      | 3074     | Viwinco, Inc.                       |
| 2730     | Glass Dynamics, Inc.                     | 2945     | Coral Industries Glass Division      | 3085     | Xinyi Group (Glass) Co., Ltd.       |
| 2731     | Glass Dynamics, Inc.                     | 2954     | Cardinal CG                          | 3086     | Chicago Tempered Glass, Inc.        |
| 2732     | Glass Dynamics, Inc.                     | 2956     | Cardinal CG                          | 3087     | Chicago Tempered Glass, Inc.        |
| 2733     | Glass Dynamics, Inc.                     | 2957     | Syracuse Glass Co., Inc.             | 3088     | Chicago Tempered Glass, Inc.        |
| 2734     | Glass Dynamics, Inc.                     | 2958     | Syracuse Glass Co., Inc.             | 3089     | Chicago Tempered Glass, Inc.        |
| 2748     | Kawneer - (Cranberry) an Arconic Company | 2961     | SIGCO, Inc.                          | 3090     | Chicago Tempered Glass, Inc.        |
| 2751     | Prelco Inc.                              | 2962     | SIGCO, Inc.                          | 3095     | Oldcastle BuildingEnvelope®         |
| 2780     | Shanghai SYP Building Glass              | 2963     | SIGCO, Inc.                          | 3096     | Oldcastle BuildingEnvelope®         |
| 2787     | Trulite Glass and Aluminum Solutions     | 2964     | SIGCO, Inc.                          | 3097     | Oldcastle BuildingEnvelope®         |
| 2788     | Trulite Glass and Aluminum Solutions     | 2965     | SIGCO, Inc.                          | 3098     | Oldcastle BuildingEnvelope®         |
| 2789     | Trulite Glass and Aluminum Solutions     | 2966     | SIGCO, Inc.                          | 3099     | Oldcastle BuildingEnvelope®         |
| 2790     | All Team Glass & Mirror, Ltd.            | 2967     | SIGCO, Inc.                          | 3100     | Oldcastle BuildingEnvelope®         |
| 2831     | Cardinal IG                              | 2968     | Quaker Window Products, Inc.         | 3101     | Oldcastle BuildingEnvelope®         |
| 2833     | Cardinal IG                              | 2969     | Quaker Window Products, Inc.         | 3102     | Oldcastle BuildingEnvelope®         |
| 2834     | Cardinal IG                              | 2970     | Quaker Window Products, Inc.         | 3103     | Oldcastle BuildingEnvelope®         |
|          |                                          | 2975     | Techni-Glass, Inc.                   | 3104     | Oldcastle BuildingEnvelope®         |
|          |                                          | 2976     | Cardinal LG                          | 3105     | Oldcastle BuildingEnvelope®         |
|          |                                          | 2980     | AGC Flat Glass North America         | 3106     | Oldcastle BuildingEnvelope®         |
|          |                                          | 2981     | Quality Glass & Mirror, Inc.         | 3107     | Oldcastle BuildingEnvelope®         |
|          |                                          | 2982     | Quality Glass & Mirror, Inc.         |          |                                     |

Page 37

*Certified Products-Numerical Sequence*

| SGCC No. |                                      | SGCC No. |                                                   | SGCC No. |                                           |
|----------|--------------------------------------|----------|---------------------------------------------------|----------|-------------------------------------------|
| 3338     | Oldcastle BuildingEnvelope®          | 3501     | Oldcastle BuildingEnvelope®                       | 3698     | AGC-Poma Glass Co. N.A.                   |
| 3339     | Oldcastle BuildingEnvelope®          | 3502     | Oldcastle BuildingEnvelope®                       | 3701     | Dallas Flat Glass                         |
| 3340     | Oldcastle BuildingEnvelope®          | 3503     | Oldcastle BuildingEnvelope®                       | 3711     | PFG Glass                                 |
| 3392     | Oldcastle BuildingEnvelope®          | 3505     | Cardinal IG                                       | 3714     | Insulite Glass Co., Inc.                  |
| 3405     | Viwinco, Inc.                        | 3506     | Cardinal IG                                       | 3715     | Insulite Glass Co., Inc.                  |
| 3407     | Trulite Glass and Aluminum Solutions | 3507     | Cardinal IG                                       | 3716     | Insulite Glass Co., Inc.                  |
| 3408     | Viwinco, Inc.                        | 3508     | Cardinal IG                                       | 3717     | Insulite Glass Co., Inc.                  |
| 3418     | Industrial Tempering Glass           | 3509     | Cardinal IG                                       | 3718     | Insulite Glass Co., Inc.                  |
| 3419     | Industrial Tempering Glass           | 3510     | Cardinal IG                                       | 3720     | Insulite Glass Co., Inc.                  |
| 3420     | Coral Industries Glass Division      | 3532     | Kohler Company                                    | 3729     | Oldcastle BuildingEnvelope®               |
| 3421     | AGC-Poma Glass Co. N.A.              | 3538     | PFG Glass                                         | 3730     | Qinhuangdao Kunping Safety Glass Co. Ltd. |
| 3425     | Oldcastle BuildingEnvelope®          | 3539     | PFG Glass                                         | 3736     | Yao Xiang Glass Product Co. Ltd.          |
| 3426     | Oldcastle BuildingEnvelope®          | 3540     | PFG Glass                                         | 3737     | Yao Xiang Glass Product Co. Ltd.          |
| 3427     | Oldcastle BuildingEnvelope®          | 3541     | PFG Glass                                         | 3738     | Yao Xiang Glass Product Co. Ltd.          |
| 3428     | Oldcastle BuildingEnvelope®          | 3542     | PFG Glass                                         | 3739     | Yao Xiang Glass Product Co. Ltd.          |
| 3430     | Trulite Glass and Aluminum Solutions | 3543     | PFG Glass                                         | 3740     | Yao Xiang Glass Product Co. Ltd.          |
| 3439     | Oldcastle BuildingEnvelope®          | 3544     | PFG Glass                                         | 3741     | Yao Xiang Glass Product Co. Ltd.          |
| 3440     | Oldcastle BuildingEnvelope®          | 3547     | PFG Glass                                         | 3741     | Yao Xiang Glass Product Co. Ltd.          |
| 3441     | Oldcastle BuildingEnvelope®          | 3548     | PFG Glass                                         | 3742     | Yao Xiang Glass Product Co. Ltd.          |
| 3442     | Oldcastle BuildingEnvelope®          | 3549     | PFG Glass                                         | 3743     | Yao Xiang Glass Product Co. Ltd.          |
| 3443     | Oldcastle BuildingEnvelope®          | 3555     | Cardinal CG                                       | 3745     | Ready Glass & Mirror, Inc.                |
| 3444     | Oldcastle BuildingEnvelope®          | 3556     | Al Abbar Architectural Glass                      | 3746     | Ready Glass & Mirror, Inc.                |
| 3445     | Oldcastle BuildingEnvelope®          | 3557     | Al Abbar Architectural Glass                      | 3747     | Ready Glass & Mirror, Inc.                |
| 3446     | Oldcastle BuildingEnvelope®          | 3558     | Al Abbar Architectural Glass                      | 3748     | Ready Glass & Mirror, Inc.                |
| 3447     | Oldcastle BuildingEnvelope®          | 3560     | Al Abbar Architectural Glass                      | 3750     | Berkowitz, J.E.                           |
| 3448     | Oldcastle BuildingEnvelope®          | 3561     | Oldcastle BuildingEnvelope®                       | 3787     | Tai Shan City Da Heng Art Glass Ltd.      |
| 3455     | Cardinal TG                          | 3577     | Vitro Flat Glass, LLC                             | 3788     | Tai Shan City Da Heng Art Glass Ltd.      |
| 3456     | Cardinal TG                          | 3578     | Vitro Flat Glass, LLC                             | 3789     | Tai Shan City Da Heng Art Glass Ltd.      |
| 3458     | Cardinal TG                          | 3579     | Cardinal CG                                       | 3793     | Oldcastle BuildingEnvelope®               |
| 3459     | Cardinal TG                          | 3580     | Cardinal CG                                       | 3796     | Oldcastle BuildingEnvelope®               |
| 3461     | Trulite Glass and Aluminum Solutions | 3581     | Cardinal CG                                       | 3805     | Quality Glass & Mirror, Inc.              |
| 3462     | Oldcastle BuildingEnvelope®          | 3583     | Arlene Stained Glass & Door                       | 3806     | Commercial Insulating Glass Co.           |
| 3464     | Contractors Wardrobe                 | 3584     | Arlene Stained Glass & Door                       | 3807     | Commercial Insulating Glass Co.           |
| 3465     | Contractors Wardrobe                 | 3585     | Arlene Stained Glass & Door                       | 3808     | Commercial Insulating Glass Co.           |
| 3466     | Contractors Wardrobe                 | 3599     | Cardinal CG                                       | 3810     | Basco Engineered Products                 |
| 3467     | Contractors Wardrobe                 | 3601     | Cardinal CG                                       | 3811     | Basco Engineered Products                 |
| 3468     | Contractors Wardrobe                 | 3603     | Trulite Glass and Aluminum Solutions              | 3812     | Basco Engineered Products                 |
| 3469     | Contractors Wardrobe                 | 3604     | Saand Webster                                     | 3818     | Trulite Glass and Aluminum Solutions      |
| 3470     | Contractors Wardrobe                 | 3619     | Cardinal IG                                       | 3822     | Flat Glass Distributors                   |
| 3472     | Contractors Wardrobe                 | 3631     | Intigral                                          | 3823     | Flat Glass Distributors                   |
| 3473     | Contractors Wardrobe                 | 3635     | Consolidated Glass Corp.                          | 3824     | Flat Glass Distributors                   |
| 3474     | Contractors Wardrobe                 | 3636     | SCHOTT Gemtron (Canada) Corporation               | 3825     | Flat Glass Distributors                   |
| 3475     | Contractors Wardrobe                 | 3637     | SCHOTT Gemtron (Canada) Corporation               | 3826     | Flat Glass Distributors                   |
| 3476     | Contractors Wardrobe                 |          |                                                   | 3828     | Flat Glass Distributors                   |
| 3477     | Contractors Wardrobe                 |          |                                                   | 3830     | Flat Glass Distributors                   |
| 3482     | PGT Industries                       | 3645     | Trulite Glass and Aluminum Solutions              | 3831     | Flat Glass Distributors                   |
| 3485     | Quaker Window Products, Inc.         | 3646     | Trulite Glass and Aluminum Solutions              | 3839     | Trulite Glass and Aluminum Solutions      |
| 3486     | Quaker Window Products, Inc.         | 3647     | Trulite Glass and Aluminum Solutions              | 3841     | Glenny Glass Co.                          |
| 3487     | Downey Glass Industries, LLC         | 3656     | All Team Glass & Mirror, Ltd.                     | 3843     | Glenny Glass Co.                          |
| 3489     | Xinyi Group (Glass) Co., Ltd.        | 3659     | SCHOTT Gemtron (Canada) Corporation               | 3844     | Glenny Glass Co.                          |
| 3492     | Oldcastle BuildingEnvelope®          |          |                                                   | 3845     | Glenny Glass Co.                          |
| 3495     | Trulite Glass and Aluminum Solutions | 3661     | Galaxy Glass & Stone                              | 3846     | Glenny Glass Co.                          |
| 3496     | Oldcastle BuildingEnvelope®          | 3672     | Guardian Glass, LLC                               | 3857     | GGI Glass Distributors Corp.              |
| 3497     | Oldcastle BuildingEnvelope®          | 3673     | Guardian Glass, LLC                               | 3858     | GGI Glass Distributors Corp.              |
| 3498     | Oldcastle BuildingEnvelope®          | 3689     | Viracon Inc.                                      | 3859     | Innovative Glass of America, Inc.         |
| 3499     | Oldcastle BuildingEnvelope®          | 3690     | QinHuangDao Tianrui Tempered Technology Glass Co. | 3860     | Innovative Glass of America, Inc.         |
| 3500     | Oldcastle BuildingEnvelope®          |          |                                                   | 3861     | Innovative Glass of America, Inc.         |



*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                            | <i>SGCC No.</i> |                                                | <i>SGCC No.</i> |                                                |
|-----------------|--------------------------------------------|-----------------|------------------------------------------------|-----------------|------------------------------------------------|
| 3862            | Innovative Glass of America, Inc.          | 3945            | Guangdong Golden Glass Technologies            | 4023            | Tianjin CSG Energy Conservation Glass Co., Ltd |
| 3863            | Innovative Glass of America, Inc.          | 3946            | Guangdong Golden Glass Technologies            | 4024            | Tianjin CSG Energy Conservation Glass Co., Ltd |
| 3864            | Innovative Glass of America, Inc.          | 3947            | Guangdong Golden Glass Technologies            | 4025            | Tianjin CSG Energy Conservation Glass Co., Ltd |
| 3865            | Denver Glass Interiors, Inc.               | 3948            | United Plate Glass Company of Charlotte        | 4026            | Tianjin CSG Energy Conservation Glass Co., Ltd |
| 3866            | Denver Glass Interiors, Inc.               | 3949            | United Plate Glass Company of Charlotte        | 4027            | Tianjin CSG Energy Conservation Glass Co., Ltd |
| 3867            | Denver Glass Interiors, Inc.               | 3950            | United Plate Glass Company of Charlotte        | 4028            | Tianjin CSG Energy Conservation Glass Co., Ltd |
| 3868            | Denver Glass Interiors, Inc.               | 3951            | United Plate Glass Company of Charlotte        | 4030            | Tianjin CSG Energy Conservation Glass Co., Ltd |
| 3871            | Cardinal Tempering                         | 3952            | United Plate Glass Company of Charlotte        | 4031            | General Glass                                  |
| 3872            | Cardinal Tempering                         | 3954            | United Plate Glass Company of Charlotte        | 4032            | General Glass                                  |
| 3873            | Cardinal Tempering                         | 3955            | United Plate Glass Company of Charlotte        | 4033            | General Glass                                  |
| 3874            | Cardinal Tempering                         | 3957            | JYC Glass Co. Ltd.                             | 4034            | General Glass                                  |
| 3875            | Cardinal Tempering                         | 3958            | JYC Glass Co. Ltd.                             | 4046            | AGC Flat Glass North America                   |
| 3880            | PGT Industries                             | 3959            | JYC Glass Co. Ltd.                             | 4047            | Cardinal CG                                    |
| 3881            | PGT Industries                             | 3960            | JYC Glass Co. Ltd.                             | 4048            | WSD Glass, Inc.                                |
| 3886            | Taiwan Glass Industry Corp.                | 3961            | JYC Glass Co. Ltd.                             | 4049            | WSD Glass, Inc.                                |
| 3887            | Taiwan Glass Industry Corp.                | 3962            | JYC Glass Co. Ltd.                             | 4050            | WSD Glass, Inc.                                |
| 3888            | Taiwan Glass Industry Corp.                | 3963            | JYC Glass Co. Ltd.                             | 4051            | WSD Glass, Inc.                                |
| 3889            | Taiwan Glass Industry Corp.                | 3970            | GGI Glass Distributors Corp.                   | 4052            | WSD Glass, Inc.                                |
| 3890            | Taiwan Glass Industry Corp.                | 3971            | GGI Glass Distributors Corp.                   | 4054            | Oldcastle BuildingEnvelope®                    |
| 3891            | Taiwan Glass Industry Corp.                | 3972            | GGI Glass Distributors Corp.                   | 4055            | Deqing Sanxing Plastic Chemical Co. Ltd.       |
| 3893            | Taiwan Glass Industry Corp.                | 3973            | GGI Glass Distributors Corp.                   | 4056            | Deqing Sanxing Plastic Chemical Co. Ltd.       |
| 3905            | PT Abebersa Pratama                        | 3974            | GGI Glass Distributors Corp.                   | 4057            | Deqing Sanxing Plastic Chemical Co. Ltd.       |
| 3906            | PT Abebersa Pratama                        | 3976            | AI Abbar Architectural Glass                   | 4061            | Troy Systems LLC                               |
| 3907            | Oldcastle BuildingEnvelope®                | 3977            | AI Abbar Architectural Glass                   | 4062            | Troy Systems LLC                               |
| 3912            | Dillmeier Enterprise, Inc.                 | 3978            | SAAND London                                   | 4063            | Troy Systems LLC                               |
| 3913            | Dillmeier Enterprise, Inc.                 | 3979            | SAAND London                                   | 4067            | Shanghai SYP Engineering Glass                 |
| 3914            | Dillmeier Enterprise, Inc.                 | 3980            | SAAND London                                   | 4068            | Shanghai SYP Engineering Glass                 |
| 3915            | Dillmeier Enterprise, Inc.                 | 3981            | SAAND London                                   | 4069            | Shanghai SYP Engineering Glass                 |
| 3916            | Dillmeier Enterprise, Inc.                 | 3991            | JYC Glass Co. Ltd.                             | 4070            | Shanghai SYP Engineering Glass                 |
| 3917            | Dillmeier Enterprise, Inc.                 | 3992            | JYC Glass Co. Ltd.                             | 4071            | Shanghai SYP Engineering Glass                 |
| 3918            | Pennsylvania Insulating Glass              | 3993            | JYC Glass Co. Ltd.                             | 4072            | Shanghai SYP Engineering Glass                 |
| 3925            | Trulite Glass and Aluminum Solutions       | 3994            | JYC Glass Co. Ltd.                             | 4073            | Shanghai SYP Engineering Glass                 |
| 3927            | Trulite Glass and Aluminum Solutions       | 3999            | Oldcastle BuildingEnvelope®                    | 4074            | Shanghai SYP Engineering Glass                 |
| 3928            | Trulite Glass and Aluminum Solutions       | 4001            | Oldcastle BuildingEnvelope®                    | 4075            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3931            | Trulite Glass and Aluminum Solutions       | 4002            | Custom Glass Products Inc.                     | 4076            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3932            | Dongguan CSG Architectural Glass Co., Ltd. | 4003            | Tecnoglass S.A.                                | 4077            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3933            | Dongguan CSG Architectural Glass Co., Ltd. | 4004            | Tristar Glass, Inc.                            | 4078            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3934            | Dongguan CSG Architectural Glass Co., Ltd. | 4005            | Tristar Glass, Inc.                            | 4079            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3935            | Dongguan CSG Architectural Glass Co., Ltd. | 4006            | Tristar Glass, Inc.                            | 4080            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3936            | Dongguan CSG Architectural Glass Co., Ltd. | 4007            | Tristar Glass, Inc.                            | 4081            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3937            | Dongguan CSG Architectural Glass Co., Ltd. | 4008            | Tristar Glass, Inc.                            | 4084            | Tianjin SYP Engineering Glass Co., Ltd.        |
| 3938            | Dongguan CSG Architectural Glass Co., Ltd. | 4009            | Tristar Glass, Inc.                            | 4091            | Cardinal IG                                    |
| 3939            | Dongguan CSG Architectural Glass Co., Ltd. | 4010            | Tristar Glass, Inc.                            |                 |                                                |
| 3941            | Guangdong Golden Glass Technologies        | 4011            | Tristar Glass, Inc.                            |                 |                                                |
| 3942            | Guangdong Golden Glass Technologies        | 4012            | Kohler Company                                 |                 |                                                |
| 3943            | Guangdong Golden Glass Technologies        | 4021            | Tianjin CSG Energy Conservation Glass Co., Ltd |                 |                                                |
| 3944            | Guangdong Golden Glass Technologies        | 4022            | Tianjin CSG Energy Conservation Glass Co., Ltd |                 |                                                |

*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                                | <i>SGCC No.</i> |                                         | <i>SGCC No.</i> |                                         |
|-----------------|------------------------------------------------|-----------------|-----------------------------------------|-----------------|-----------------------------------------|
| 4103            | Cardinal IG                                    | 4189            | Trulite Glass and Aluminum Solutions    | 4308            | Jiangmen SYP Engineering Glass Co, Ltd. |
| 4104            | Cardinal IG                                    | 4197            | United Plate Glass Company of Charlotte | 4309            | Jiangmen SYP Engineering Glass Co, Ltd. |
| 4105            | Cardinal IG                                    | 4198            | Glass & Mirror Craft                    | 4310            | Jiangmen SYP Engineering Glass Co, Ltd. |
| 4106            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4199            | Glass & Mirror Craft                    | 4312            | Jiangmen SYP Engineering Glass Co, Ltd. |
| 4107            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4200            | Glass & Mirror Craft                    | 4318            | Maryland Glass & Mirror                 |
| 4108            | Tianjin CSG Energy Conservation Glass Co., Ltd | 4202            | Glass & Mirror Craft                    | 4319            | Maryland Glass & Mirror                 |
| 4120            | Cardinal LG                                    | 4203            | Glass & Mirror Craft                    | 4320            | Maryland Glass & Mirror                 |
| 4121            | EFCO Corporation                               | 4204            | Glass & Mirror Craft                    | 4321            | Maryland Glass & Mirror                 |
| 4123            | Dongguan Dongfa Glass Product Co., Ltd         | 4206            | SIGCO, Inc.                             | 4322            | Maryland Glass & Mirror                 |
| 4124            | Dongguan Dongfa Glass Product Co., Ltd         | 4207            | Trulite Glass and Aluminum Solutions    | 4326            | SIGCO, Inc.                             |
| 4125            | Dongguan Dongfa Glass Product Co., Ltd         | 4209            | Trulite Glass and Aluminum Solutions    | 4327            | SIGCO, Inc.                             |
| 4126            | Dongguan Dongfa Glass Product Co., Ltd         | 4210            | Trulite Glass and Aluminum Solutions    | 4328            | Aldora Aluminum and Glass Products Inc. |
| 4132            | Dongguan Dongfa Glass Product Co., Ltd         | 4212            | Trulite Glass and Aluminum Solutions    | 4329            | Aldora Aluminum and Glass Products Inc. |
| 4133            | Oldcastle BuildingEnvelope®                    | 4213            | Trulite Glass and Aluminum Solutions    | 4330            | Aldora Aluminum and Glass Products Inc. |
| 4134            | Trulite Glass and Aluminum Solutions           | 4214            | Trulite Glass and Aluminum Solutions    | 4331            | Aldora Aluminum and Glass Products Inc. |
| 4135            | Trulite Glass and Aluminum Solutions           | 4215            | Trulite Glass and Aluminum Solutions    | 4332            | Aldora Aluminum and Glass Products Inc. |
| 4137            | Cardinal CG                                    | 4216            | Trulite Glass and Aluminum Solutions    | 4333            | Aldora Aluminum and Glass Products Inc. |
| 4139            | Basco Engineered Products                      | 4217            | Trulite Glass and Aluminum Solutions    | 4335            | Aldora Aluminum and Glass Products Inc. |
| 4146            | Deqing Sanxing Plastic Chemical Co. Ltd.       | 4219            | Trulite Glass and Aluminum Solutions    | 4336            | Aldora Aluminum and Glass Products Inc. |
| 4147            | Deqing Sanxing Plastic Chemical Co. Ltd.       | 4220            | Trulite Glass and Aluminum Solutions    | 4337            | Aldora Aluminum and Glass Products Inc. |
| 4148            | Nashville Tempered Glass LLC                   | 4221            | Trulite Glass and Aluminum Solutions    | 4338            | Aldora Aluminum and Glass Products Inc. |
| 4152            | Trulite Glass and Aluminum Solutions           | 4225            | Trulite Glass and Aluminum Solutions    | 4339            | Aldora Aluminum and Glass Products Inc. |
| 4153            | Trulite Glass and Aluminum Solutions           | 4226            | Trulite Glass and Aluminum Solutions    | 4340            | Oldcastle BuildingEnvelope®             |
| 4154            | EFCO Corporation                               | 4227            | Trulite Glass and Aluminum Solutions    | 4342            | Trulite Glass and Aluminum Solutions    |
| 4156            | Qinhuangdao Detai Tempered Glass Co., Ltd.     | 4233            | Trulite Glass and Aluminum Solutions    | 4343            | Cardinal CG                             |
| 4158            | Trulite Glass and Aluminum Solutions           | 4240            | Industrial Tempering Glass              | 4344            | Cardinal CG                             |
| 4159            | Trulite Glass and Aluminum Solutions           | 4246            | Valentini Glass & Components srl        | 4345            | Cardinal CG                             |
| 4160            | Trulite Glass and Aluminum Solutions           | 4247            | Oldcastle BuildingEnvelope® Canada Inc. | 4346            | Oldcastle BuildingEnvelope®             |
| 4161            | JYC Glass Co. Ltd.                             | 4248            | GGI Glass Distributors Corp.            | 4347            | Cardinal CG                             |
| 4167            | Dongguan CSG Architectural Glass Co., Ltd.     | 4249            | Viracon Inc.                            | 4350            | Cardinal LG                             |
| 4169            | W. A. Wilson Inc.                              | 4250            | Viracon Inc.                            | 4351            | Cardinal LG                             |
| 4170            | W. A. Wilson Inc.                              | 4254            | Mercer Glass Fab LLC                    | 4353            | Shanghai SYP Building Glass             |
| 4171            | W. A. Wilson Inc.                              | 4255            | Mercer Glass Fab LLC                    | 4354            | Viracon Inc.                            |
| 4172            | W. A. Wilson Inc.                              | 4256            | Mercer Glass Fab LLC                    | 4355            | All Team Glass & Mirror, Ltd.           |
| 4173            | W. A. Wilson Inc.                              | 4257            | Mercer Glass Fab LLC                    | 4356            | SAAND Toronto                           |
| 4175            | W. A. Wilson Inc.                              | 4258            | Mercer Glass Fab LLC                    | 4357            | SAAND Toronto                           |
| 4176            | W. A. Wilson Inc.                              | 4277            | Trulite Glass and Aluminum Solutions    | 4358            | SAAND Toronto                           |
| 4179            | Xinyi Group (Glass) Co., Ltd.                  | 4278            | SAAND London                            | 4362            | Cardinal IG                             |
| 4180            | Oldcastle BuildingEnvelope®                    | 4280            | M&M Tempering Inc.                      | 4363            | Changshu Zhongxin Bldg. Mat. Co.        |
| 4181            | Oldcastle BuildingEnvelope®                    | 4281            | M&M Tempering Inc.                      | 4371            | Trulite Glass and Aluminum Solutions    |
| 4182            | Trulite Glass and Aluminum Solutions           | 4282            | M&M Tempering Inc.                      | 4372            | Trulite Glass and Aluminum Solutions    |
| 4183            | Trulite Glass and Aluminum Solutions           | 4285            | Contour Industries, Inc.                | 4373            | Trulite Glass and Aluminum Solutions    |
| 4184            | Trulite Glass and Aluminum Solutions           | 4290            | Thermo BSL                              | 4374            | Trulite Glass and Aluminum Solutions    |
| 4185            | Trulite Glass and Aluminum Solutions           | 4291            | Thermo BSL                              | 4375            | Glass Dynamics, Inc.                    |
| 4186            | Trulite Glass and Aluminum Solutions           | 4292            | Thermo BSL                              |                 |                                         |
| 4187            | Trulite Glass and Aluminum Solutions           | 4293            | Thermo BSL                              |                 |                                         |
| 4188            | Trulite Glass and Aluminum Solutions           | 4303            | Jiangmen SYP Engineering Glass Co, Ltd. |                 |                                         |
|                 |                                                | 4304            | Jiangmen SYP Engineering Glass Co, Ltd. |                 |                                         |
|                 |                                                | 4305            | Jiangmen SYP Engineering Glass Co, Ltd. |                 |                                         |
|                 |                                                | 4306            | Jiangmen SYP Engineering Glass Co, Ltd. |                 |                                         |
|                 |                                                | 4307            | Jiangmen SYP Engineering Glass Co, Ltd. |                 |                                         |

*Certified Products-Numerical Sequence*

| SGCC No. |                                          | SGCC No. |                                         | SGCC No. |                                                     |
|----------|------------------------------------------|----------|-----------------------------------------|----------|-----------------------------------------------------|
| 4376     | Glass Dynamics, Inc.                     | 4474     | Insulite Glass Co., Inc.                | 4593     | New Angle Beveling                                  |
| 4379     | Wholesale Glass Dist.                    | 4475     | Oldcastle BuildingEnvelope®             | 4594     | New Angle Beveling                                  |
| 4380     | Wholesale Glass Dist.                    | 4476     | Oldcastle BuildingEnvelope®             | 4595     | New Angle Beveling                                  |
| 4381     | Wholesale Glass Dist.                    | 4477     | Oldcastle BuildingEnvelope®             | 4597     | White Aluminum Enterprises LLC                      |
| 4382     | Wholesale Glass Dist.                    | 4499     | Diamond Sea Glaze                       | 4598     | White Aluminum Enterprises LLC                      |
| 4384     | Oldcastle BuildingEnvelope®              | 4500     | Diamond Sea Glaze                       | 4599     | Cardinal CG                                         |
| 4387     | Oldcastle BuildingEnvelope®              | 4501     | Diamond Sea Glaze                       | 4604     | Guardian Industries Corp.                           |
| 4388     | Engineered Glass Products, L.L.C.        | 4502     | Diamond Sea Glaze                       | 4605     | Guardian Industries Corp.                           |
| 4390     | Oldcastle BuildingEnvelope®              | 4503     | Diamond Sea Glaze                       | 4606     | Guardian Industries Corp.                           |
| 4392     | Oldcastle BuildingEnvelope®              | 4504     | Diamond Sea Glaze                       | 4607     | Guardian Industries Corp.                           |
| 4393     | Oldcastle BuildingEnvelope®              | 4505     | Diamond Sea Glaze                       | 4608     | Guardian Industries Corp.                           |
| 4394     | Kawneer - (Cranberry) an Arconic Company | 4506     | Diamond Sea Glaze                       | 4609     | Guardian Industries Corp.                           |
| 4395     | Kawneer - (Cranberry) an Arconic Company | 4507     | Denver Glass Interiors, Inc.            | 4610     | Guardian Industries Corp.                           |
| 4396     | Oldcastle BuildingEnvelope®              | 4508     | Denver Glass Interiors, Inc.            | 4611     | Guardian Industries Corp.                           |
| 4397     | Oldcastle BuildingEnvelope®              | 4509     | Techni-Glass, Inc.                      | 4612     | Guardian Industries Corp.                           |
| 4398     | Oldcastle BuildingEnvelope®              | 4510     | Techni-Glass, Inc.                      | 4613     | Guardian Industries Corp.                           |
| 4399     | Oldcastle BuildingEnvelope®              | 4512     | Perficom S.A. DE C.V.                   | 4616     | American Shower Door                                |
| 4400     | Oldcastle BuildingEnvelope®              | 4517     | Blue Star Glass Inc.                    | 4618     | Oldcastle BuildingEnvelope®                         |
| 4401     | Oldcastle BuildingEnvelope®              | 4518     | Blue Star Glass Inc.                    | 4620     | Cardinal CT                                         |
| 4402     | Oldcastle BuildingEnvelope®              | 4519     | Blue Star Glass Inc.                    | 4621     | Cardinal CT                                         |
| 4411     | Tristar Glass, Inc.                      | 4520     | Blue Star Glass Inc.                    | 4622     | Cardinal CT                                         |
| 4413     | Glass Dynamics, Inc.                     | 4521     | Blue Star Glass Inc.                    | 4623     | Cardinal CT                                         |
| 4414     | Glass Dynamics, Inc.                     | 4522     | Trulite Glass and Aluminum Solutions    | 4624     | Cardinal CT                                         |
| 4419     | Garibaldi Glass Ind. Inc.                | 4523     | Solar Seal Connecticut                  | 4625     | Cardinal CT                                         |
| 4420     | Garibaldi Glass Ind. Inc.                | 4524     | Multiver                                | 4626     | Downey Glass Industries, LLC                        |
| 4421     | Garibaldi Glass Ind. Inc.                | 4526     | Oldcastle BuildingEnvelope®             | 4627     | Guardian Industries Corp.                           |
| 4422     | Garibaldi Glass Ind. Inc.                | 4527     | Oldcastle BuildingEnvelope®             | 4628     | Glass Enterprises, Inc.                             |
| 4424     | Oldcastle BuildingEnvelope®              | 4528     | Oldcastle BuildingEnvelope®             | 4629     | Glass Enterprises, Inc.                             |
| 4425     | Fairis C.A.                              | 4529     | Oldcastle BuildingEnvelope®             | 4633     | Guardian Industries Corp.                           |
| 4426     | Fairis C.A.                              | 4530     | Mercer Glass Fab LLC                    | 4636     | United Plate Glass Company of Charlotte             |
| 4427     | Fairis C.A.                              | 4533     | Oldcastle BuildingEnvelope®             | 4638     | Flat Glass Distributors                             |
| 4428     | Fairis C.A.                              | 4535     | Guangdong Golden Glass Technologies     | 4639     | Productos De Valor Agregado en Cristal S.A. de C.V. |
| 4429     | Fairis C.A.                              | 4546     | Cleer Vision Tempered Glass             | 4640     | Productos De Valor Agregado en Cristal S.A. de C.V. |
| 4430     | Fairis C.A.                              | 4547     | Cleer Vision Tempered Glass             | 4641     | Productos De Valor Agregado en Cristal S.A. de C.V. |
| 4432     | Oldcastle BuildingEnvelope® Canada Inc.  | 4558     | Oldcastle BuildingEnvelope®             | 4642     | Productos De Valor Agregado en Cristal S.A. de C.V. |
| 4433     | Oldcastle BuildingEnvelope® Canada Inc.  | 4561     | Oldcastle BuildingEnvelope®             | 4643     | Amsco Windows                                       |
| 4435     | Oldcastle BuildingEnvelope® Canada Inc.  | 4563     | Oldcastle BuildingEnvelope®             | 4645     | Productos De Valor Agregado en Cristal S.A. de C.V. |
| 4437     | Trulite Glass and Aluminum Solutions     | 4566     | Dallas Flat Glass                       | 4648     | Xinyi Group (Glass) Co., Ltd.                       |
| 4443     | Oldcastle BuildingEnvelope®              | 4567     | Dallas Flat Glass                       | 4651     | Vitra Vidrios Transformados SA de CV                |
| 4444     | Oldcastle BuildingEnvelope®              | 4571     | Architectural Glass Products, LLC.      | 4652     | Vitra Vidrios Transformados SA de CV                |
| 4446     | Oldcastle BuildingEnvelope®              | 4572     | Architectural Glass Products, LLC.      | 4653     | Vitra Vidrios Transformados SA de CV                |
| 4448     | Oldcastle BuildingEnvelope®              | 4573     | Architectural Glass Products, LLC.      | 4654     | Vitra Vidrios Transformados SA de CV                |
| 4449     | Oldcastle BuildingEnvelope®              | 4574     | Architectural Glass Products, LLC.      | 4655     | Vitra Vidrios Transformados SA de CV                |
| 4452     | Trulite Glass and Aluminum Solutions     | 4575     | Jiangmen SYP Engineering Glass Co, Ltd. | 4657     | Changshu Xingfu Glass Building Material Co., LTD    |
| 4453     | Trulite Glass and Aluminum Solutions     | 4578     | Cardinal CT                             | 4658     | Guardian Industries Corp.                           |
| 4454     | Oldcastle BuildingEnvelope®              | 4579     | Cardinal CT                             | 4662     | The Original Frameless Shower Door                  |
| 4458     | Oldcastle BuildingEnvelope®              | 4580     | Cardinal CT                             | 4663     | The Original Frameless Shower Door                  |
| 4460     | Oldcastle BuildingEnvelope®              | 4581     | Cardinal CT                             |          |                                                     |
| 4461     | Oldcastle BuildingEnvelope®              | 4582     | Cardinal CT                             |          |                                                     |
| 4470     | Thermoseal Industries, LLC               | 4584     | Cardinal IG                             |          |                                                     |
| 4471     | Thermoseal Industries, LLC               | 4587     | Cardinal IG                             |          |                                                     |
| 4473     | Insulite Glass Co., Inc.                 | 4588     | Intigral                                |          |                                                     |
|          |                                          | 4590     | Al Abbar Architectural Glass            |          |                                                     |
|          |                                          | 4591     | New Angle Beveling                      |          |                                                     |
|          |                                          | 4592     | New Angle Beveling                      |          |                                                     |

*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                                   | <i>SGCC No.</i> |                                                        | <i>SGCC No.</i> |                                                                   |
|-----------------|---------------------------------------------------|-----------------|--------------------------------------------------------|-----------------|-------------------------------------------------------------------|
| 4668            | Kohler Company                                    | 4750            | Trulite Glass and Aluminum Solutions                   | 4839            | Dillmeier Enterprise, Inc.                                        |
| 4669            | Foshan Nanhai Gangsheng<br>Tempered Glass Factory | 4753            | Trulite Glass and Aluminum Solutions                   | 4841            | Cardinal LG                                                       |
| 4670            | Foshan Nanhai Gangsheng<br>Tempered Glass Factory | 4754            | Trulite Glass and Aluminum Solutions                   | 4842            | Cardinal LG                                                       |
| 4671            | Foshan Nanhai Gangsheng<br>Tempered Glass Factory | 4756            | Cardinal CT                                            | 4843            | Cardinal LG                                                       |
| 4672            | Foshan Nanhai Gangsheng<br>Tempered Glass Factory | 4757            | Cardinal CT                                            | 4844            | Cardinal LG                                                       |
| 4673            | Foshan Nanhai Gangsheng<br>Tempered Glass Factory | 4758            | Cardinal CT                                            | 4846            | Al Abbar Architectural Glass                                      |
| 4675            | Reem Emirates Aluminum & Glass                    | 4759            | Cardinal CT                                            | 4847            | Texas Tempered, a Trulite Glass and<br>Aluminum Solutions Company |
| 4676            | Reem Emirates Aluminum & Glass                    | 4760            | Cardinal CT                                            | 4848            | Texas Tempered, a Trulite Glass and<br>Aluminum Solutions Company |
| 4677            | Reem Emirates Aluminum & Glass                    | 4763            | Dallas Flat Glass                                      | 4851            | Texas Tempered, a Trulite Glass and<br>Aluminum Solutions Company |
| 4682            | Integral Seal Mfg. Inc.                           | 4764            | Global Security Glazing                                | 4870            | Tai Sheng (Dong Guan) Glass<br>Co.,Ltd                            |
| 4683            | Integral Seal Mfg. Inc.                           | 4765            | Global Security Glazing                                | 4872            | Tai Sheng (Dong Guan) Glass<br>Co.,Ltd                            |
| 4684            | Integral Seal Mfg. Inc.                           | 4766            | Global Security Glazing                                | 4873            | Tai Sheng (Dong Guan) Glass<br>Co.,Ltd                            |
| 4688            | Basco Engineered Products                         | 4767            | Global Security Glazing                                | 4881            | Cardinal TG                                                       |
| 4689            | Basco Engineered Products                         | 4768            | Global Security Glazing                                | 4882            | Oldcastle BuildingEnvelope®                                       |
| 4700            | Oldcastle BuildingEnvelope®                       | 4769            | Global Security Glazing                                | 4883            | AGNORA (Architectural Glass North<br>America)                     |
| 4701            | Contour Industries, Inc.                          | 4770            | Global Security Glazing                                | 4884            | AGNORA (Architectural Glass North<br>America)                     |
| 4702            | Contour Industries, Inc.                          | 4774            | GGI Glass Distributors Corp.                           | 4885            | AGNORA (Architectural Glass North<br>America)                     |
| 4703            | Contour Industries, Inc.                          | 4775            | Cardinal CG                                            | 4886            | AGNORA (Architectural Glass North<br>America)                     |
| 4704            | Contour Industries, Inc.                          | 4779            | Viracon Inc.                                           | 4889            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4705            | Contour Industries, Inc.                          | 4780            | Cardinal CG                                            | 4890            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4710            | Oldcastle BuildingEnvelope®                       | 4781            | Cardinal CG                                            | 4891            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4711            | Pulp Studio Inc.                                  | 4783            | Cardinal CG                                            | 4892            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4714            | Consolidated Glass Corp.                          | 4784            | Viracon Inc.                                           | 4893            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4716            | Aldora Aluminum and Glass<br>Products, Inc.       | 4785            | Consolidated Glass Corp.                               | 4894            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4717            | Aldora Aluminum and Glass<br>Products, Inc.       | 4787            | Oldcastle BuildingEnvelope®                            | 4895            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4718            | Aldora Aluminum and Glass<br>Products, Inc.       | 4788            | Productos De Valor Agregado en<br>Cristal S.A. de C.V. | 4896            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4719            | Aldora Aluminum and Glass<br>Products, Inc.       | 4789            | Aldora Aluminum and Glass<br>Products, Inc.            | 4897            | GlassFab Tempering Services, Inc.<br>Mariani Ct.                  |
| 4720            | Viracon Inc.                                      | 4790            | Dallas Flat Glass                                      | 4900            | NY Tempering LLC                                                  |
| 4722            | Fairis C.A.                                       | 4792            | D3 Glass, LLC                                          | 4901            | NY Tempering LLC                                                  |
| 4723            | Guangdong Golden Glass<br>Technologies            | 4793            | D3 Glass, LLC                                          | 4902            | NY Tempering LLC                                                  |
| 4724            | Basco Engineered Products                         | 4795            | D3 Glass, LLC                                          | 4903            | NY Tempering LLC                                                  |
| 4725            | View Inc.                                         | 4796            | Gulf Glass Industries, LLC                             | 4904            | Prelco Inc.                                                       |
| 4726            | View Inc.                                         | 4797            | Gulf Glass Industries, LLC                             | 4905            | Prelco Inc.                                                       |
| 4727            | View Inc.                                         | 4798            | Gulf Glass Industries, LLC                             | 4906            | Prelco Inc.                                                       |
| 4728            | View Inc.                                         | 4799            | Gulf Glass Industries, LLC                             | 4911            | Prelco Inc.                                                       |
| 4729            | Dolphin Glass Specialists, LLC                    | 4800            | Guardian Industries Corp.                              | 4912            | Prelco Inc.                                                       |
| 4730            | Tacoma Glass Mfg. Inc.                            | 4804            | Glasswerks GWLA                                        | 4913            | Prelco Inc.                                                       |
| 4731            | Tacoma Glass Mfg. Inc.                            | 4805            | Glasswerks GWLA                                        | 4914            | Prelco Inc.                                                       |
| 4732            | Tacoma Glass Mfg. Inc.                            | 4806            | Glasswerks GWLA                                        | 4915            | Prelco Inc.                                                       |
| 4735            | Tacoma Glass Mfg. Inc.                            | 4807            | Shanghai SYP Building Glass                            | 4916            | Prelco Inc.                                                       |
| 4742            | Cardinal CT                                       | 4811            | Paragon Tempered Glass                                 | 4917            | Prelco Inc.                                                       |
| 4743            | Trulite Glass and Aluminum Solutions              | 4813            | McGrory Glass                                          |                 |                                                                   |
| 4744            | Trulite Glass and Aluminum Solutions              | 4814            | McGrory Glass                                          |                 |                                                                   |
| 4745            | Trulite Glass and Aluminum Solutions              | 4815            | McGrory Glass                                          |                 |                                                                   |
| 4746            | Trulite Glass and Aluminum Solutions              | 4816            | McGrory Glass                                          |                 |                                                                   |
| 4747            | Trulite Glass and Aluminum Solutions              | 4817            | McGrory Glass                                          |                 |                                                                   |
| 4748            | Trulite Glass and Aluminum Solutions              | 4818            | McGrory Glass                                          |                 |                                                                   |
| 4749            | Trulite Glass and Aluminum Solutions              | 4819            | McGrory Glass                                          |                 |                                                                   |
|                 |                                                   | 4820            | McGrory Glass                                          |                 |                                                                   |
|                 |                                                   | 4827            | Trulite Glass and Aluminum Solutions                   |                 |                                                                   |
|                 |                                                   | 4829            | Guardian Industries Corp.                              |                 |                                                                   |
|                 |                                                   | 4832            | Cameron Glass, Inc.                                    |                 |                                                                   |
|                 |                                                   | 4836            | Cardinal IG                                            |                 |                                                                   |
|                 |                                                   | 4837            | Berkowitz, J.E.                                        |                 |                                                                   |
|                 |                                                   | 4838            | Dillmeier Enterprise, Inc.                             |                 |                                                                   |

**Certified Products-Numerical Sequence**

| <b>SGCC No.</b> |                                         | <b>SGCC No.</b> |                                                       | <b>SGCC No.</b> |                                                           |
|-----------------|-----------------------------------------|-----------------|-------------------------------------------------------|-----------------|-----------------------------------------------------------|
| 4918            | Troy Systems LLC                        | 5026            | EFI                                                   | 5096            | Cardinal CT                                               |
| 4921            | Columbia Commercial Bldg Prod.          | 5027            | Interglass Corp                                       | 5097            | Cardinal CT                                               |
| 4922            | Trulite Glass and Aluminum Solutions    | 5032            | Interglass Corp                                       | 5098            | Cardinal CT                                               |
| 4923            | Trulite Glass and Aluminum Solutions    | 5033            | Interglass Corp                                       | 5099            | Cardinal CT                                               |
| 4924            | Glass & Mirror Craft                    | 5034            | Interglass Corp                                       | 5100            | Cardinal CT                                               |
| 4925            | McGrory Glass                           | 5035            | Interglass Corp                                       | 5101            | Cardinal CT - S                                           |
| 4926            | Upstate Glass Tempering Inc.            | 5036            | Interglass Corp                                       | 5102            | Cardinal CT - S                                           |
| 4927            | Upstate Glass Tempering Inc.            | 5037            | Vitra Vidrios Transformados SA de CV                  | 5103            | Cardinal CT - S                                           |
| 4928            | JM Glass                                |                 |                                                       | 5104            | Cardinal CT - S                                           |
| 4929            | JM Glass                                | 5039            | Triview Glass Industries                              | 5105            | Cardinal CT - S                                           |
| 4930            | JM Glass                                | 5040            | Triview Glass Industries                              | 5106            | Cardinal CT - S                                           |
| 4931            | JM Glass                                | 5041            | Triview Glass Industries                              | 5109            | Tristar Glass, Inc.                                       |
| 4936            | Changshu Zhouxing Glass Co. Ltd.        | 5042            | Triview Glass Industries                              | 5112            | Tacoma Glass Mfg. Inc.                                    |
| 4949            | SAAND Ottawa                            | 5043            | Triview Glass Industries                              | 5116            | Glass & Mirror Craft                                      |
| 4950            | SAAND Ottawa                            | 5044            | Triview Glass Industries                              | 5121            | Downey Glass Industries, LLC                              |
| 4951            | SAAND Ottawa                            | 5045            | Triview Glass Industries                              | 5122            | Downey Glass Industries, LLC                              |
| 4952            | SAAND Ottawa                            | 5046            | Triview Glass Industries                              | 5123            | Troy Systems LLC                                          |
| 4953            | SAAND Ottawa                            | 5047            | Triview Glass Industries                              | 5124            | Garibaldi Glass Ind. Inc.                                 |
| 4954            | SAAND Ottawa                            | 5048            | Triview Glass Industries                              | 5125            | Garibaldi Glass Ind. Inc.                                 |
| 4966            | Vidrio Bisel S.A. de C.V.               | 5050            | Techni-Glass, Inc.                                    | 5127            | Arlene Stained Glass & Door                               |
| 4967            | Vidrio Bisel S.A. de C.V.               | 5051            | Oldcastle BuildingEnvelope®                           | 5128            | GlassFab Tempering Services, Inc.                         |
| 4968            | Vidrio Bisel S.A. de C.V.               | 5052            | Jiangmen SYP Engineering Glass Co., Ltd.              |                 | Mariani Ct.                                               |
| 4969            | Vidrio Bisel S.A. de C.V.               |                 |                                                       | 5129            | Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd |
| 4970            | Contract Glass                          | 5053            | Jiangmen SYP Engineering Glass Co., Ltd.              | 5130            | Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd |
| 4971            | Contract Glass                          | 5054            | Jiangmen SYP Engineering Glass Co., Ltd.              | 5133            | Guardian Glass, LLC                                       |
| 4972            | Contract Glass                          |                 |                                                       | 5134            | Trulite Glass and Aluminum Solutions                      |
| 4973            | Contract Glass                          | 5055            | Jiangmen SYP Engineering Glass Co., Ltd.              | 5135            | Inkan Ltd                                                 |
| 4974            | Contract Glass                          |                 |                                                       | 5136            | Inkan Ltd                                                 |
| 4975            | Contract Glass                          | 5067            | Tai Sheng (Dong Guan) Glass Co.,Ltd                   | 5137            | Inkan Ltd                                                 |
| 4978            | Simonton Windows                        |                 |                                                       | 5138            | Inkan Ltd                                                 |
| 4979            | Simonton Windows                        | 5068            | Tai Sheng (Dong Guan) Glass Co.,Ltd                   | 5139            | Inkan Ltd                                                 |
| 4980            | Trulite Glass and Aluminum Solutions    |                 |                                                       | 5140            | Inkan Ltd                                                 |
| 4981            | Trulite Glass and Aluminum Solutions    | 5076            | Basco Engineered Products                             | 5141            | Qinhuangdao Qicaishi Glass Processing Co., Ltd.           |
| 4993            | Tweddells Inc.                          | 5077            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5142            | Guardian Glass, LLC                                       |
| 4995            | SAAND Rexdale                           | 5078            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5143            | Glaz-Tech Industries, Inc.                                |
| 4996            | SAAND Rexdale                           |                 |                                                       | 5144            | Bendheim Wall Systems                                     |
| 4997            | SAAND Rexdale                           | 5079            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5145            | Bendheim Wall Systems                                     |
| 4998            | SAAND Rexdale                           |                 |                                                       | 5151            | Changshu Xingfu Glass Building Material Co., LTD          |
| 4999            | SAAND Rexdale                           | 5080            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5152            | Changshu Xingfu Glass Building Material Co., LTD          |
| 5000            | SAAND Rexdale                           |                 |                                                       | 5157            | Upstate Glass Tempering Inc.                              |
| 5001            | SAAND Rexdale                           | 5081            | Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | 5158            | Upstate Glass Tempering Inc.                              |
| 5002            | SAAND Rexdale                           |                 |                                                       | 5159            | Classy Glass Specialties Co., Ltd                         |
| 5008            | SAAND Rexdale                           | 5084            | Aluminum Technology Auxiliary Industries              | 5160            | Classy Glass Specialties Co., Ltd                         |
| 5010            | Tempco Glass                            | 5085            | Cardinal CT                                           | 5161            | Classy Glass Specialties Co., Ltd                         |
| 5011            | Tempco Glass                            | 5086            | Cardinal CT                                           | 5162            | Classy Glass Specialties Co., Ltd                         |
| 5012            | Tempco Glass                            | 5087            | Cardinal CT                                           | 5163            | Classy Glass Specialties Co., Ltd                         |
| 5013            | Tempco Glass                            | 5088            | Cardinal CT                                           | 5164            | Classy Glass Specialties Co., Ltd                         |
| 5014            | EFI                                     | 5089            | Cardinal CT                                           | 5165            | Tacoma Glass Mfg. Inc.                                    |
| 5016            | SAGE Electrochromics Inc.               | 5090            | Fujian Xihe Sanitary Ware Technology Co., Ltd         | 5166            | Tacoma Glass Mfg. Inc.                                    |
| 5017            | Viracon Inc.                            |                 |                                                       | 5167            | Tacoma Glass Mfg. Inc.                                    |
| 5019            | S.F. Tempering                          | 5091            | Fujian Xihe Sanitary Ware Technology Co., Ltd         | 5169            | Classy Glass Specialties Co., Ltd                         |
| 5020            | S.F. Tempering                          |                 |                                                       | 5170            | Classy Glass Specialties Co., Ltd                         |
| 5021            | S.F. Tempering                          | 5092            | Fujian Xihe Sanitary Ware Technology Co., Ltd         | 5173            | W. A. Wilson Inc.                                         |
| 5024            | Oldcastle BuildingEnvelope® Canada Inc. | 5093            | Louisville Plate Glass                                |                 |                                                           |
| 5025            | Oldcastle BuildingEnvelope® Canada Inc. | 5095            | Cardinal CT                                           |                 |                                                           |

*Certified Products-Numerical Sequence*

| SGCC No. |                                                  | SGCC No. |                                            | SGCC No. |                                                                |
|----------|--------------------------------------------------|----------|--------------------------------------------|----------|----------------------------------------------------------------|
| 5174     | Blue Star Glass Inc.                             | 5246     | Cardinal CT - W                            | 5311     | ClearEdge Glass                                                |
| 5175     | Blue Star Glass Inc.                             | 5247     | Cardinal CT - W                            | 5317     | Trulite Glass and Aluminum Solutions                           |
| 5176     | TG Changjiang Glass Co., Ltd                     | 5248     | Cardinal CT - W                            | 5318     | Trulite Glass and Aluminum Solutions                           |
| 5177     | TG Changjiang Glass Co., Ltd                     | 5249     | Cardinal CT - W                            | 5320     | Trulite Glass and Aluminum Solutions                           |
| 5178     | TG Changjiang Glass Co., Ltd                     | 5250     | Cardinal CT - W                            | 5321     | Trulite Glass and Aluminum Solutions                           |
| 5179     | TG Changjiang Glass Co., Ltd                     | 5251     | Wujiang Golden Glass Technologies, Ltd.    | 5322     | Trulite Glass and Aluminum Solutions                           |
| 5183     | Trulite Glass and Aluminum Solutions             | 5252     | Wujiang Golden Glass Technologies, Ltd.    | 5335     | Cardinal CG                                                    |
| 5184     | Trulite Glass and Aluminum Solutions             | 5253     | Wujiang Golden Glass Technologies, Ltd.    | 5336     | Cardinal CG                                                    |
| 5185     | Trulite Glass and Aluminum Solutions             | 5254     | Wujiang Golden Glass Technologies, Ltd.    | 5337     | Trulite Glass and Aluminum Solutions                           |
| 5186     | Trulite Glass and Aluminum Solutions             | 5255     | Wujiang Golden Glass Technologies, Ltd.    | 5338     | Trulite Glass and Aluminum Solutions                           |
| 5187     | Trulite Glass and Aluminum Solutions             | 5256     | Wujiang Golden Glass Technologies, Ltd.    | 5339     | Trulite Glass and Aluminum Solutions                           |
| 5188     | Trulite Glass and Aluminum Solutions             | 5257     | Wujiang Golden Glass Technologies, Ltd.    | 5340     | Trulite Glass and Aluminum Solutions                           |
| 5189     | Trulite Glass and Aluminum Solutions             | 5258     | Wujiang Golden Glass Technologies, Ltd.    | 5341     | Trulite Glass and Aluminum Solutions                           |
| 5190     | Trulite Glass and Aluminum Solutions             | 5259     | Glass Dynamics, Inc.                       | 5343     | Trulite Glass and Aluminum Solutions                           |
| 5191     | Trulite Glass and Aluminum Solutions             | 5260     | Dalian Huaying Glass Limited Liability Co. | 5344     | Trulite Glass and Aluminum Solutions                           |
| 5192     | Trulite Glass and Aluminum Solutions             | 5261     | Dalian Huaying Glass Limited Liability Co. | 5345     | Trulite Glass and Aluminum Solutions                           |
| 5193     | Cardinal LG                                      | 5263     | McGrory Glass                              | 5346     | Trulite Glass and Aluminum Solutions                           |
| 5194     | Virginia Glass Products Corp.                    | 5265     | Colorkote CT, LLC                          | 5347     | Trulite Glass and Aluminum Solutions                           |
| 5199     | Robover Inc.                                     | 5272     | Trulite Glass and Aluminum Solutions       | 5348     | Trulite Glass and Aluminum Solutions                           |
| 5200     | Robover Inc.                                     | 5273     | Trulite Glass and Aluminum Solutions       | 5349     | Trulite Glass and Aluminum Solutions                           |
| 5201     | Robover Inc.                                     | 5274     | Trulite Glass and Aluminum Solutions       | 5350     | Trulite Glass and Aluminum Solutions                           |
| 5202     | Robover Inc.                                     | 5275     | Trulite Glass and Aluminum Solutions       | 5351     | Changshu Weier Glass Products Co. Ltd.                         |
| 5203     | Basco Engineered Products                        | 5276     | Trulite Glass and Aluminum Solutions       | 5352     | Changshu Weier Glass Products Co. Ltd.                         |
| 5204     | Vitro Architectural Glass                        | 5277     | Trulite Glass and Aluminum Solutions       | 5353     | Changshu Weier Glass Products Co. Ltd.                         |
| 5205     | Vitro Architectural Glass                        | 5279     | Trulite Glass and Aluminum Solutions       | 5354     | Changshu Weier Glass Products Co. Ltd.                         |
| 5206     | Vitro Architectural Glass                        | 5280     | Qinhuangdao Jingxin Glass Co., Ltd.        | 5355     | Oldcastle BuildingEnvelope®                                    |
| 5207     | Vitro Architectural Glass                        | 5281     | Cardinal CG                                | 5364     | Cardinal CT                                                    |
| 5208     | EFI                                              | 5283     | American Insulated Glass Inc.              | 5365     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |
| 5210     | EFI                                              | 5284     | American Insulated Glass Inc.              | 5366     | Bronco Industries, Inc.                                        |
| 5211     | EFI                                              | 5285     | American Insulated Glass Inc.              | 5367     | Bronco Industries, Inc.                                        |
| 5212     | Aluminum Technology Auxiliary Industries         | 5286     | American Insulated Glass Inc.              | 5368     | Bronco Industries, Inc.                                        |
| 5213     | SIGCO, Inc.                                      | 5287     | American Insulated Glass Inc.              | 5369     | Kawneer - (Cranberry) an Arconic Company                       |
| 5216     | Fujian Xihe Sanitary Ware Technology Co., Ltd    | 5288     | American Insulated Glass Inc.              | 5384     | Tweddells Inc.                                                 |
| 5217     | Fujian Xihe Sanitary Ware Technology Co., Ltd    | 5289     | American Insulated Glass Inc.              | 5385     | Tweddells Inc.                                                 |
| 5218     | Fujian Xihe Sanitary Ware Technology Co., Ltd    | 5290     | Phoenicia Flat Glass Industries            | 5386     | Tweddells Inc.                                                 |
| 5219     | Garibaldi Glass Ind. Inc.                        | 5295     | Simonton Windows                           | 5387     | Oldcastle BuildingEnvelope®                                    |
| 5220     | Tianjin Northglass Industrial Technical Co., Ltd | 5296     | Simonton Windows                           | 5388     | Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.                |
| 5221     | Tianjin Northglass Industrial Technical Co., Ltd | 5297     | Quaker Window Products, Inc.               | 5389     | Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.                |
| 5222     | Berkowitz, J.E.                                  | 5298     | Thompson I.G. LLC.                         | 5390     | Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.                |
| 5223     | Tianjin Northglass Industrial Technical Co., Ltd | 5299     | Thompson I.G. LLC.                         | 5391     | Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.                |
| 5224     | Cardinal LG Northeast                            | 5301     | Thompson I.G. LLC.                         | 5392     | Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.                |
| 5225     | Cardinal LG Northeast                            | 5302     | Thompson I.G. LLC.                         | 5393     | Vitemex                                                        |
| 5226     | Multiver                                         | 5303     | Thompson I.G. LLC.                         | 5394     | Vitemex                                                        |
| 5227     | Multiver                                         | 5304     | Thompson I.G. LLC.                         | 5395     | Vitemex                                                        |
| 5228     | Multiver                                         | 5305     | Thompson I.G. LLC.                         | 5396     | Trulite Glass and Aluminum Solutions                           |
| 5229     | Nashville Tempered Glass LLC                     | 5306     | Cardinal CG                                | 5397     | Trulite Glass and Aluminum Solutions                           |
| 5230     | Nashville Tempered Glass LLC                     | 5308     | ClearEdge Glass                            | 5398     | Trulite Glass and Aluminum Solutions                           |
| 5231     | Nashville Tempered Glass LLC                     | 5310     | ClearEdge Glass                            | 5399     | Trulite Glass and Aluminum Solutions                           |
| 5234     | Anthony International                            |          |                                            |          |                                                                |
| 5242     | Paragon Tempered Glass                           |          |                                            |          |                                                                |
| 5245     | Cardinal CT - W                                  |          |                                            |          |                                                                |

*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                                 | <i>SGCC No.</i> |                                                | <i>SGCC No.</i> |                                                |
|-----------------|-------------------------------------------------|-----------------|------------------------------------------------|-----------------|------------------------------------------------|
| 5400            | Trulite Glass and Aluminum Solutions            | 5473            | AGC/Poma Glass Co. N.A.                        | 5552            | Foshan Nanhai Gangsheng Tempered Glass Factory |
| 5401            | Trulite Glass and Aluminum Solutions            | 5474            | AGC/Poma Glass Co. N.A.                        | 5554            | Downey Glass Industries, LLC                   |
| 5404            | Trulite Glass and Aluminum Solutions            | 5475            | AGC/Poma Glass Co. N.A.                        | 5555            | Viracon Inc.                                   |
| 5405            | Trulite Glass and Aluminum Solutions            | 5476            | AGC/Poma Glass Co. N.A.                        | 5556            | Viracon Inc.                                   |
| 5407            | Unitex Glass Chengdu Co., Ltd                   | 5477            | Trulite Glass and Aluminum Solutions           | 5557            | Viracon Inc.                                   |
| 5408            | Unitex Glass Chengdu Co., Ltd                   | 5478            | Trulite Glass and Aluminum Solutions           | 5558            | Beijing Wuhua Tianbao Glass Co.                |
| 5410            | M Industria S.A. DE C.V.                        | 5479            | Cardinal CT                                    | 5559            | Beijing Wuhua Tianbao Glass Co.                |
| 5411            | M Industria S.A. DE C.V.                        | 5480            | Glasswerks GWA                                 | 5560            | Beijing Wuhua Tianbao Glass Co.                |
| 5412            | M Industria S.A. DE C.V.                        | 5481            | Glasswerks GWA                                 | 5561            | Beijing Wuhua Tianbao Glass Co.                |
| 5413            | M Industria S.A. DE C.V.                        | 5482            | Glasswerks GWA                                 | 5562            | Beijing Wuhua Tianbao Glass Co.                |
| 5414            | Unitex Glass Chengdu Co., Ltd                   | 5483            | Trulite Glass and Aluminum Solutions           | 5563            | Beijing Wuhua Tianbao Glass Co.                |
| 5418            | Consolidated Armor Products, LLC                | 5484            | Trulite Glass and Aluminum Solutions           | 5564            | Industrial Tempering Glass                     |
| 5419            | Consolidated Armor Products, LLC                | 5485            | Trulite Glass and Aluminum Solutions           | 5565            | Industrial Tempering Glass                     |
| 5425            | Wolverine Glass Products, Inc.                  | 5486            | Tai Sheng (Dong Guan) Glass Co.,Ltd            | 5566            | Rizhao Huaye Glass Co., Ltd.                   |
| 5426            | Wolverine Glass Products, Inc.                  | 5487            | Tai Sheng (Dong Guan) Glass Co.,Ltd            | 5567            | Rizhao Huaye Glass Co., Ltd.                   |
| 5427            | Wolverine Glass Products, Inc.                  | 5488            | Tai Sheng (Dong Guan) Glass Co.,Ltd            | 5568            | Rizhao Huaye Glass Co., Ltd.                   |
| 5428            | Wolverine Glass Products, Inc.                  | 5490            | Taiwan Glass Industry Corp.                    | 5569            | Rizhao Huaye Glass Co., Ltd.                   |
| 5429            | Wolverine Glass Products, Inc.                  | 5498            | Produits Verrier International Inc.            | 5570            | Rizhao Huaye Glass Co., Ltd.                   |
| 5430            | Wolverine Glass Products, Inc.                  | 5499            | Produits Verrier International Inc.            | 5571            | Rizhao Huaye Glass Co., Ltd.                   |
| 5431            | Wolverine Glass Products, Inc.                  | 5500            | Produits Verrier International Inc.            | 5572            | Rizhao Huaye Glass Co., Ltd.                   |
| 5432            | Trulite Glass and Aluminum Solutions            | 5501            | Produits Verrier International Inc.            | 5574            | Aldora Aluminum and Glass Products, Inc.       |
| 5433            | Trulite Glass and Aluminum Solutions            | 5502            | Produits Verrier International Inc.            | 5575            | Aldora Aluminum and Glass Products, Inc.       |
| 5434            | Trulite Glass and Aluminum Solutions            | 5503            | Produits Verrier International Inc.            | 5576            | Aldora Aluminum and Glass Products, Inc.       |
| 5435            | Cardinal IG                                     | 5504            | Produits Verrier International Inc.            | 5577            | Aldora Aluminum and Glass Products, Inc.       |
| 5441            | Tristar Glass, Inc.                             | 5505            | Produits Verrier International Inc.            | 5579            | Aldora Aluminum and Glass Products, Inc.       |
| 5442            | Oldcastle BuildingEnvelope®                     | 5507            | Trulite Glass and Aluminum Solutions           | 5580            | Rizhao Huaye Glass Co., Ltd.                   |
| 5443            | Trulite Glass and Aluminum Solutions            | 5508            | Trulite Glass and Aluminum Solutions           | 5581            | Rizhao Huaye Glass Co., Ltd.                   |
| 5444            | Trulite Glass and Aluminum Solutions            | 5509            | Trulite Glass and Aluminum Solutions           | 5582            | Viracon Inc.                                   |
| 5445            | Trulite Glass and Aluminum Solutions            | 5510            | Trulite Glass and Aluminum Solutions           | 5584            | GlassFab Tempering Services, Inc. Mariani Ct.  |
| 5446            | Trulite Glass and Aluminum Solutions            | 5511            | Trulite Glass and Aluminum Solutions           | 5585            | Wisconsin Shower Door & Supply Corp            |
| 5447            | Trulite Glass and Aluminum Solutions            | 5513            | Insulite Glass Co., Inc.                       | 5587            | Wisconsin Shower Door & Supply Corp            |
| 5448            | Trulite Glass and Aluminum Solutions            | 5517            | Trulite Glass and Aluminum Solutions           | 5588            | Wisconsin Shower Door & Supply Corp            |
| 5449            | Trulite Glass and Aluminum Solutions            | 5518            | Trulite Glass and Aluminum Solutions           | 5589            | Wisconsin Shower Door & Supply Corp            |
| 5450            | Trulite Glass and Aluminum Solutions            | 5519            | TVITEC                                         | 5590            | Wisconsin Shower Door & Supply Corp            |
| 5451            | Trulite Glass and Aluminum Solutions            | 5521            | Flat Glass Group Co., Ltd.                     | 5592            | Wisconsin Shower Door & Supply Corp            |
| 5452            | S.F. Tempering                                  | 5522            | Flat Glass Group Co., Ltd.                     | 5593            | Wisconsin Shower Door & Supply Corp            |
| 5453            | Nashville Tempered Glass LLC                    | 5523            | Flat Glass Group Co., Ltd.                     | 5594            | Wisconsin Shower Door & Supply Corp            |
| 5454            | Nashville Tempered Glass LLC                    | 5524            | Flat Glass Group Co., Ltd.                     | 5595            | Wisconsin Shower Door & Supply Corp            |
| 5455            | New Century Glass & Aluminum LLC                | 5525            | Flat Glass Group Co., Ltd.                     | 5596            | Wisconsin Shower Door & Supply Corp            |
| 5456            | New Century Glass & Aluminum LLC                | 5526            | Flat Glass Group Co., Ltd.                     | 5597            | Wisconsin Shower Door & Supply Corp            |
| 5457            | New Century Glass & Aluminum LLC                | 5527            | Solar Seal Massachusetts                       | 5598            | Glass & Mirror Craft                           |
| 5458            | New Century Glass & Aluminum LLC                | 5532            | Xinyi Glass (Tianjin) Co. Ltd.                 |                 |                                                |
| 5459            | Oldcastle BuildingEnvelope®                     | 5533            | Xinyi Glass (Tianjin) Co. Ltd.                 |                 |                                                |
| 5462            | Unitex Glass Chengdu Co., Ltd                   | 5534            | Xinyi Glass (Tianjin) Co. Ltd.                 |                 |                                                |
| 5463            | Unitex Glass Chengdu Co., Ltd                   | 5535            | Xinyi Glass (Tianjin) Co. Ltd.                 |                 |                                                |
| 5464            | Zhangjiagang City Daming Glass Product Co., Ltd | 5536            | Xinyi Glass (Tianjin) Co. Ltd.                 |                 |                                                |
| 5465            | Zhangjiagang City Daming Glass Product Co., Ltd | 5538            | Xinyi Glass (Tianjin) Co. Ltd.                 |                 |                                                |
| 5466            | Zhangjiagang City Daming Glass Product Co., Ltd | 5539            | Xinyi Glass (Tianjin) Co. Ltd.                 |                 |                                                |
| 5467            | Sky Land Tempering Glass Corp                   | 5549            | Foshan Nanhai Gangsheng Tempered Glass Factory |                 |                                                |
| 5468            | Sky Land Tempering Glass Corp                   | 5550            | Foshan Nanhai Gangsheng Tempered Glass Factory |                 |                                                |
| 5469            | Sky Land Tempering Glass Corp                   | 5551            | Foshan Nanhai Gangsheng Tempered Glass Factory |                 |                                                |
| 5470            | Sky Land Tempering Glass Corp                   |                 |                                                |                 |                                                |
| 5471            | AGC/Poma Glass Co. N.A.                         |                 |                                                |                 |                                                |
| 5472            | AGC/Poma Glass Co. N.A.                         |                 |                                                |                 |                                                |

*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                       | <i>SGCC No.</i> |                                                   | <i>SGCC No.</i> |                                      |
|-----------------|---------------------------------------|-----------------|---------------------------------------------------|-----------------|--------------------------------------|
| 5604            | Tai Sheng (Dong Guan) Glass Co.,Ltd   | 5695            | Cristec Vipla SL                                  | 5764            | Robover Inc.                         |
| 5605            | PRL Glass Systems                     | 5696            | Cristec Vipla SL                                  | 5765            | AVIC Sanxin Co. Ltd.                 |
| 5606            | Clinton Glass Company                 | 5697            | Cristec Vipla SL                                  | 5766            | AVIC Sanxin Co. Ltd.                 |
| 5607            | Clinton Glass Company                 | 5698            | Cristec Vipla SL                                  | 5767            | AVIC Sanxin Co. Ltd.                 |
| 5608            | Clinton Glass Company                 | 5699            | Cristec Vipla SL                                  | 5768            | AVIC Sanxin Co. Ltd.                 |
| 5609            | Prelco Inc.                           | 5700            | Trulite Glass and Aluminum Solutions              | 5769            | AVIC Sanxin Co. Ltd.                 |
| 5610            | Prelco Inc.                           | 5701            | Trulite Glass and Aluminum Solutions              | 5770            | AVIC Sanxin Co. Ltd.                 |
| 5611            | Prelco Inc.                           | 5702            | Trulite Glass and Aluminum Solutions              | 5771            | AVIC Sanxin Co. Ltd.                 |
| 5613            | Qingdao Jinjing Co., Ltd.             | 5703            | Trulite Glass and Aluminum Solutions              | 5772            | New Angle Beveling                   |
| 5615            | Columbia Commercial Bldg Prod.        | 5704            | Trulite Glass and Aluminum Solutions              | 5773            | New Angle Beveling                   |
| 5616            | Columbia Commercial Bldg Prod.        | 5705            | Trulite Glass and Aluminum Solutions              | 5774            | New Angle Beveling                   |
| 5617            | Qingdao Jinjing Co., Ltd.             | 5706            | Trulite Glass and Aluminum Solutions              | 5775            | New Angle Beveling                   |
| 5621            | DDG Glass Manufacturing SDN BHD       | 5707            | Trulite Glass and Aluminum Solutions              | 5776            | New Angle Beveling                   |
| 5622            | DDG Glass Manufacturing SDN BHD       | 5709            | Jiaxing Joinbath Corporation                      | 5777            | Jiangyin Mingyang Glass Production   |
| 5623            | DDG Glass Manufacturing SDN BHD       | 5710            | Jiaxing Joinbath Corporation                      | 5778            | Jiangyin Mingyang Glass Production   |
| 5624            | DDG Glass Manufacturing SDN BHD       | 5711            | Jiaxing Joinbath Corporation                      | 5779            | Jiangyin Mingyang Glass Production   |
| 5625            | DDG Glass Manufacturing SDN BHD       | 5713            | Jiaxing Joinbath Corporation                      | 5780            | Jiangyin Mingyang Glass Production   |
| 5626            | DDG Glass Manufacturing SDN BHD       | 5719            | Quest Window Systems                              | 5781            | Vidrios el Castillo SC de RL de CV   |
| 5627            | DDG Glass Manufacturing SDN BHD       | 5720            | Cardinal CG                                       | 5782            | Trulite Glass and Aluminum Solutions |
| 5628            | DDG Glass Manufacturing SDN BHD       | 5722            | Solar Seal Virginia                               | 5783            | Trulite Glass and Aluminum Solutions |
| 5629            | Phoenicia Flat Glass Industries       | 5723            | Solar Seal Virginia                               | 5784            | Trulite Glass and Aluminum Solutions |
| 5630            | Oldcastle BuildingEnvelope®           | 5724            | Solar Seal Virginia                               | 5785            | Nashville Tempered Glass Corp.       |
| 5631            | Trulite Glass and Aluminum Solutions  | 5725            | Solar Seal Virginia                               | 5786            | Phoenicia Flat Glass Industries      |
| 5632            | Trulite Glass and Aluminum Solutions  | 5726            | Solar Seal Virginia                               | 5788            | GnT Glass Co., Ltd.                  |
| 5634            | Ready Glass & Mirror, Inc.            | 5728            | Trulite Glass and Aluminum Solutions              | 5789            | GnT Glass Co., Ltd.                  |
| 5635            | ATI Windows                           | 5729            | Nashville Tempered Glass Corp.                    | 5790            | GnT Glass Co., Ltd.                  |
| 5636            | ATI Windows                           | 5730            | Thermal Seal Insulating Glass                     | 5791            | GnT Glass Co., Ltd.                  |
| 5637            | ATI Windows                           | 5731            | Thermal Seal Insulating Glass                     | 5792            | Trulite Glass and Aluminum Solutions |
| 5638            | ATI Windows                           | 5732            | Thermal Seal Insulating Glass                     | 5793            | Trulite Glass and Aluminum Solutions |
| 5639            | ATI Windows                           | 5733            | Thermal Seal Insulating Glass                     | 5794            | Trulite Glass and Aluminum Solutions |
| 5640            | Guardian IG LLC                       | 5734            | Thermal Seal Insulating Glass                     | 5795            | Trulite Glass and Aluminum Solutions |
| 5641            | Guardian IG LLC                       | 5735            | Thermal Seal Insulating Glass                     | 5796            | Trulite Glass and Aluminum Solutions |
| 5642            | Guardian IG LLC                       | 5736            | Thermal Seal Insulating Glass                     | 5797            | Trulite Glass and Aluminum Solutions |
| 5643            | Guardian IG LLC                       | 5737            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd.      | 5798            | Trulite Glass and Aluminum Solutions |
| 5644            | Guardian IG LLC                       | 5738            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd.      | 5800            | Trulite Glass and Aluminum Solutions |
| 5645            | Guardian IG LLC                       | 5739            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd.      | 5801            | Trulite Glass and Aluminum Solutions |
| 5646            | Guardian IG LLC                       | 5740            | Zhangjiagang Weiyu Fabricated Glass Co. Ltd.      | 5802            | Trulite Glass and Aluminum Solutions |
| 5647            | Guardian IG LLC                       | 5746            | Trulite Glass and Aluminum Solutions              | 5803            | Trulite Glass and Aluminum Solutions |
| 5661            | Beijing Wuhua Tianbao Glass Co.       | 5747            | Trulite Glass and Aluminum Solutions              | 5804            | Trulite Glass and Aluminum Solutions |
| 5662            | Beijing Wuhua Tianbao Glass Co.       | 5748            | General Glass                                     | 5805            | Trulite Glass and Aluminum Solutions |
| 5663            | Beijing Wuhua Tianbao Glass Co.       | 5750            | General Glass                                     | 5807            | Trulite Glass and Aluminum Solutions |
| 5664            | Beijing Wuhua Tianbao Glass Co.       | 5751            | General Glass                                     | 5808            | Trulite Glass and Aluminum Solutions |
| 5673            | Thermo BSL                            | 5752            | Galaxy Glass & Stone                              | 5809            | Trulite Glass and Aluminum Solutions |
| 5674            | Thermo BSL                            | 5755            | Cat-I Manufacturing, Inc.                         | 5810            | Trulite Glass and Aluminum Solutions |
| 5680            | Trulite Glass and Aluminum Solutions  | 5756            | Shower Doors & More Inc.                          | 5812            | Trulite Glass and Aluminum Solutions |
| 5684            | Jin Yao Chang Tempered Glass Co., Ltd | 5757            | Shower Doors & More Inc.                          | 5813            | Trulite Glass and Aluminum Solutions |
| 5686            | Trulite Glass and Aluminum Solutions  | 5758            | Shower Doors & More Inc.                          | 5815            | Trulite Glass and Aluminum Solutions |
| 5687            | Trulite Glass and Aluminum Solutions  | 5759            | Shower Doors & More Inc.                          | 5816            | Trulite Glass and Aluminum Solutions |
| 5688            | Trulite Glass and Aluminum Solutions  | 5760            | Ningbo XinShuGuang Safety Glass Limited Co., Ltd. | 5817            | Trulite Glass and Aluminum Solutions |
| 5689            | Qingdao Laurel Enterprise Co., Ltd.   | 5761            | M Industria S.A. DE C.V.                          | 5818            | Trulite Glass and Aluminum Solutions |
| 5690            | Triton Glass LLC                      | 5762            | Tristar Glass, Inc.                               | 5820            | Trulite Glass and Aluminum Solutions |
| 5691            | Triton Glass LLC                      | 5763            | Robover Inc.                                      | 5821            | Trulite Glass and Aluminum Solutions |
| 5692            | Triton Glass LLC                      |                 |                                                   | 5822            | Trulite Glass and Aluminum Solutions |
| 5693            | Triton Glass LLC                      |                 |                                                   | 5823            | Trulite Glass and Aluminum Solutions |
| 5694            | Triton Glass LLC                      |                 |                                                   | 5825            | Trulite Glass and Aluminum Solutions |
|                 |                                       |                 |                                                   | 5826            | Trulite Glass and Aluminum Solutions |
|                 |                                       |                 |                                                   | 5828            | Trulite Glass and Aluminum Solutions |



*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                            | <i>SGCC No.</i> |                                               | <i>SGCC No.</i> |                                                  |
|-----------------|--------------------------------------------|-----------------|-----------------------------------------------|-----------------|--------------------------------------------------|
| 5829            | Trulite Glass and Aluminum Solutions       | 5886            | Glasswerks GWLA                               | 5946            | M3 Glass Technologies                            |
| 5830            | Trulite Glass and Aluminum Solutions       | 5887            | ATN Holding Inc.                              | 5947            | M3 Glass Technologies                            |
| 5831            | Trulite Glass and Aluminum Solutions       | 5888            | ATN Holding Inc.                              | 5965            | Dlubak Corporation                               |
| 5832            | Trulite Glass and Aluminum Solutions       | 5890            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5973            | Kensington Glass Arts                            |
| 5834            | View Inc.                                  | 5891            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5974            | Kensington Glass Arts                            |
| 5835            | Allglass Tempering Inc.                    | 5892            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5975            | Kensington Glass Arts                            |
| 5836            | Allglass Tempering Inc.                    | 5893            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5976            | Kensington Glass Arts                            |
| 5837            | Allglass Tempering Inc.                    | 5894            | Yong Feng Tai Foshan City Glas Co., LTD.      | 5977            | Kensington Glass Arts                            |
| 5838            | Allglass Tempering Inc.                    | 5896            | Trulite Glass and Aluminum Solutions          | 5978            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5839            | Allglass Tempering Inc.                    | 5897            | Trulite Glass and Aluminum Solutions          | 5979            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5840            | Vidrios el Castillo SC de RL de CV         | 5898            | Trulite Glass and Aluminum Solutions          | 5980            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5841            | View Inc.                                  | 5899            | Qinhuangdao Ampac Building Products Co., Ltd. | 5981            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5842            | Cardinal CT                                | 5900            | Qinhuangdao Ampac Building Products Co., Ltd. | 5982            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5843            | Huahui Glass (China) Co., LD               | 5901            | Qinhuangdao Ampac Building Products Co., Ltd. | 5983            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5845            | PRESS GLASS SA                             | 5902            | Qinhuangdao Ampac Building Products Co., Ltd. | 5984            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5846            | PRESS GLASS SA                             | 5903            | Qinhuangdao Ampac Building Products Co., Ltd. | 5985            | Trulite Glass and Aluminum Solutions             |
| 5847            | PRESS GLASS SA                             | 5904            | Oldcastle BuildingEnvelope®                   | 5986            | GlassFab Tempering Services Inc. Holly Drive     |
| 5848            | PRESS GLASS SA                             | 5905            | Saint Gobain Mexico, S.A. de C.V.             | 5987            | GlassFab Tempering Services Inc. Holly Drive     |
| 5849            | PRESS GLASS SA                             | 5906            | Saint Gobain Mexico, S.A. de C.V.             | 5988            | GlassFab Tempering Services Inc. Holly Drive     |
| 5850            | PRESS GLASS SA                             | 5907            | Saint Gobain Mexico, S.A. de C.V.             | 5989            | GlassFab Tempering Services Inc. Holly Drive     |
| 5851            | PRESS GLASS SA                             | 5908            | Saint Gobain Mexico, S.A. de C.V.             | 5990            | GlassFab Tempering Services Inc. Holly Drive     |
| 5852            | PRESS GLASS SA                             | 5909            | Saint Gobain Mexico, S.A. de C.V.             | 5991            | Cardinal CT                                      |
| 5853            | PRESS GLASS SA                             | 5910            | Cardinal IG                                   | 5998            | Carey Glass International                        |
| 5854            | PRESS GLASS SA                             | 5911            | Cardinal IG                                   | 5999            | Carey Glass International                        |
| 5855            | PRESS GLASS SA                             | 5912            | Cardinal IG                                   | 6000            | Carey Glass International                        |
| 5856            | PRESS GLASS SA                             | 5913            | Multiver Inc.                                 | 6001            | Carey Glass International                        |
| 5857            | PRESS GLASS SA                             | 5914            | Multiver Inc.                                 | 6003            | Hanwood Enterprises Limited                      |
| 5858            | PRESS GLASS SA                             | 5915            | Multiver Inc.                                 | 6004            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5859            | Trulite Glass and Aluminum Solutions       | 5916            | Multiver Inc.                                 | 6005            | Xianning CSG Energy Conservation Glass Co., LTD. |
| 5860            | Trulite Glass and Aluminum Solutions       | 5917            | U.S. Glass Distributors Inc.                  | 6006            | Trulite Glass and Aluminum Solutions             |
| 5861            | Dongguan Trillion Aluminum Glass Co., Ltd  | 5918            | U.S. Glass Distributors Inc.                  | 6007            | Trulite Glass and Aluminum Solutions             |
| 5862            | Dongguan Trillion Aluminum Glass Co., Ltd  | 5919            | U.S. Glass Distributors Inc.                  | 6008            | Trulite Glass and Aluminum Solutions             |
| 5863            | Dongguan Trillion Aluminum Glass Co., Ltd  | 5920            | U.S. Glass Distributors Inc.                  | 6009            | Trulite Glass and Aluminum Solutions             |
| 5864            | Dongguan Trillion Aluminum Glass Co., Ltd  | 5921            | U.S. Glass Distributors Inc.                  | 6010            | Trulite Glass and Aluminum Solutions             |
| 5865            | Ascent Glass Products (Zhong Shan) Limited | 5922            | U.S. Glass Distributors Inc.                  | 6011            | Trulite Glass and Aluminum Solutions             |
| 5866            | Ascent Glass Products (Zhong Shan) Limited | 5923            | U.S. Glass Distributors Inc.                  | 6012            | SIGCO, Inc.                                      |
| 5867            | Ascent Glass Products (Zhong Shan) Limited | 5924            | U.S. Glass Distributors Inc.                  | 6013            | SIGCO, Inc.                                      |
| 5868            | Ascent Glass Products (Zhong Shan) Limited | 5925            | U.S. Glass Distributors Inc.                  | 6014            | SIGCO, Inc.                                      |
| 5869            | Ascent Glass Products (Zhong Shan) Limited | 5926            | U.S. Glass Distributors Inc.                  | 6015            | VistaGlass Direct                                |
| 5870            | Bronco Industries, Inc.                    | 5927            | U.S. Glass Distributors Inc.                  | 6016            | All Glass (Suqian) Limited                       |
| 5871            | Bronco Industries, Inc.                    | 5936            | Trulite Glass and Aluminum Solutions          | 6019            | Templados Del Centro SA DE C.V.                  |
| 5872            | Bronco Industries, Inc.                    | 5937            | Trulite Glass and Aluminum Solutions          | 6020            | SCHOTT Gemtron (Canada) Corporation              |
| 5876            | Trulite Glass and Aluminum Solutions       | 5938            | Comercial Dialum S.A.                         | 6021            | SCHOTT Gemtron (Canada) Corporation              |
| 5877            | Trulite Glass and Aluminum Solutions       | 5939            | Strong Tempering Glass Industry LLC           |                 |                                                  |
| 5878            | Cristec Vipla SL                           | 5940            | Strong Tempering Glass Industry LLC           |                 |                                                  |
| 5882            | Glasswerks GWLA                            | 5941            | Strong Tempering Glass Industry LLC           |                 |                                                  |
| 5883            | Glasswerks GWLA                            | 5942            | Strong Tempering Glass Industry LLC           |                 |                                                  |
| 5884            | Glasswerks GWLA                            | 5945            | M3 Glass Technologies                         |                 |                                                  |
| 5885            | Glasswerks GWLA                            |                 |                                               |                 |                                                  |

*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                                                | <i>SGCC No.</i> |                                              | <i>SGCC No.</i> |                                           |
|-----------------|----------------------------------------------------------------|-----------------|----------------------------------------------|-----------------|-------------------------------------------|
| 6022            | Patio Enclosures                                               | 6079            | Sfera SRL                                    | 6131            | Intex Glass (Xiamen) Co., Ltd.            |
| 6023            | Benge Custom Specialties, LLC                                  | 6082            | VistaGlass Direct                            | 6132            | Intex Glass (Xiamen) Co., Ltd.            |
| 6024            | Benge Custom Specialties, LLC                                  | 6083            | Vidrios el Castillo SC de RL de CV           | 6133            | Intex Glass (Xiamen) Co., Ltd.            |
| 6025            | Benge Custom Specialties, LLC                                  | 6084            | W.C.P., Inc dba West Coast                   | 6134            | BVGLAZING SYSTEMS                         |
| 6026            | Benge Custom Specialties, LLC                                  |                 | Insulated Glass Products                     | 6135            | BVGLAZING SYSTEMS                         |
| 6027            | Midwest Glass Fabricators Inc.                                 | 6085            | W.C.P., Inc dba West Coast                   | 6136            | BVGLAZING SYSTEMS                         |
| 6028            | Midwest Glass Fabricators Inc.                                 |                 | Insulated Glass Products                     | 6137            | BVGLAZING SYSTEMS                         |
| 6029            | Midwest Glass Fabricators Inc.                                 | 6086            | W.C.P., Inc dba West Coast                   | 6138            | BVGLAZING SYSTEMS                         |
| 6030            | Midwest Glass Fabricators Inc.                                 |                 | Insulated Glass Products                     | 6139            | BVGLAZING SYSTEMS                         |
| 6031            | Midwest Glass Fabricators Inc.                                 | 6087            | W.C.P., Inc dba West Coast                   | 6140            | Tai Sheng (Dong Guan) Glass Co.,Ltd       |
| 6032            | Midwest Glass Fabricators Inc.                                 |                 | Insulated Glass Products                     |                 |                                           |
| 6033            | Midwest Glass Fabricators Inc.                                 | 6088            | W.C.P., Inc dba West Coast                   | 6141            | Tai Sheng (Dong Guan) Glass Co.,Ltd       |
| 6034            | Midwest Glass Fabricators Inc.                                 |                 | Insulated Glass Products                     |                 |                                           |
| 6035            | Midwest Glass Fabricators Inc.                                 | 6089            | W.C.P., Inc dba West Coast                   | 6142            | Tai Sheng (Dong Guan) Glass Co.,Ltd       |
| 6036            | Midwest Glass Fabricators Inc.                                 |                 | Insulated Glass Products                     |                 |                                           |
| 6037            | Midwest Glass Fabricators Inc.                                 | 6090            | W.C.P., Inc dba West Coast                   | 6143            | Cardinal CT                               |
| 6039            | Texas Tempered, a Trulite Glass and Aluminum Solutions Company |                 | Insulated Glass Products                     | 6144            | A.L. Smith Glass Co. Inc.                 |
| 6040            | Global Security Glazing                                        | 6091            | W.C.P., Inc dba West Coast                   | 6145            | A.L. Smith Glass Co. Inc.                 |
| 6041            | Huachuang Longfei Glass Co., Ltd.                              |                 | Insulated Glass Products                     | 6146            | M Industria S.A. DE C.V.                  |
| 6042            | ATI Windows                                                    | 6092            | W.C.P., Inc dba West Coast                   | 6147            | M Industria S.A. DE C.V.                  |
| 6044            | Tianjin Northglass Industrial Technical Co., Ltd               |                 | Insulated Glass Products                     | 6151            | Aluminum Manufacturers Co. Ltd - ALUMATEC |
| 6047            | GLASPRO                                                        | 6095            | Glasswerks GWT                               | 6152            | Aluminum Manufacturers Co. Ltd - ALUMATEC |
| 6048            | GLASPRO                                                        | 6096            | Glasswerks GWT                               | 6153            | Standard Bent Glass                       |
| 6050            | GLASPRO                                                        | 6097            | Glasswerks GWT                               | 6154            | Standard Bent Glass                       |
| 6053            | Tai Sheng (Dong Guan) Glass Co.,Ltd                            | 6098            | Glasswerks GWT                               | 6155            | Standard Bent Glass                       |
| 6054            | Tai Sheng (Dong Guan) Glass Co.,Ltd                            | 6099            | Anthony International                        | 6156            | Standard Bent Glass                       |
| 6055            | Tai Sheng (Dong Guan) Glass Co.,Ltd                            | 6100            | Cardinal IG                                  | 6157            | U.S. Glass Distributors Inc.              |
| 6056            | Oldcastle BuildingEnvelope®                                    | 6102            | Trulite Glass and Aluminum Solutions         | 6159            | Trulite Glass and Aluminum Solutions      |
| 6057            | Glasswerks GWLA                                                | 6103            | Trulite Glass and Aluminum Solutions         | 6160            | Trulite Glass and Aluminum Solutions      |
| 6058            | Vidrios el Castillo SC de RL de CV                             | 6104            | Trulite Glass and Aluminum Solutions         | 6161            | Trulite Glass and Aluminum Solutions      |
| 6059            | Wolverine Glass Products, Inc.                                 | 6105            | Trulite Glass and Aluminum Solutions         | 6162            | Trulite Glass and Aluminum Solutions      |
| 6060            | Wolverine Glass Products, Inc.                                 | 6106            | Trulite Glass and Aluminum Solutions         | 6163            | Trulite Glass and Aluminum Solutions      |
| 6061            | GroupeVFG, a Trulite Glass and Aluminum Solutions Company      | 6107            | Trulite Glass and Aluminum Solutions         | 6164            | Trulite Glass and Aluminum Solutions      |
| 6062            | GroupeVFG, a Trulite Glass and Aluminum Solutions Company      | 6108            | Trulite Glass and Aluminum Solutions         | 6165            | Trulite Glass and Aluminum Solutions      |
| 6063            | GroupeVFG, a Trulite Glass and Aluminum Solutions Company      | 6109            | Trulite Glass and Aluminum Solutions         | 6166            | Trulite Glass and Aluminum Solutions      |
| 6064            | GroupeVFG, a Trulite Glass and Aluminum Solutions Company      | 6110            | Trulite Glass and Aluminum Solutions         | 6167            | Trulite Glass and Aluminum Solutions      |
| 6065            | GroupeVFG, a Trulite Glass and Aluminum Solutions Company      | 6111            | Trulite Glass and Aluminum Solutions         | 6168            | Trulite Glass and Aluminum Solutions      |
| 6066            | GroupeVFG, a Trulite Glass and Aluminum Solutions Company      | 6113            | Trulite Glass and Aluminum Solutions         | 6169            | Trulite Glass and Aluminum Solutions      |
| 6067            | GroupeVFG, a Trulite Glass and Aluminum Solutions Company      | 6114            | Trulite Glass and Aluminum Solutions         | 6170            | Templados Del Centro SA DE C.V.           |
| 6068            | Upstate Glass Tempering Inc.                                   | 6115            | Trulite Glass and Aluminum Solutions         | 6172            | Cardinal CT                               |
| 6069            | Cardinal IG                                                    | 6116            | Viracon Inc.                                 | 6173            | Cardinal CT                               |
| 6070            | Louisville Plate Glass                                         | 6117            | Viracon Inc.                                 | 6174            | Cardinal CT                               |
| 6072            | Louisville Plate Glass                                         | 6118            | GlassFab Tempering Services Inc. Holly Drive | 6182            | Sierra Glass Distributors                 |
| 6073            | Louisville Plate Glass                                         | 6119            | Foshan Gaoming Yaqi Toughened Glass          | 6183            | Sterling Mirror Company, LLC              |
| 6074            | Louisville Plate Glass                                         | 6120            | Foshan Gaoming Yaqi Toughened Glass          | 6184            | Sterling Mirror Company, LLC              |
| 6075            | Louisville Plate Glass                                         | 6121            | Foshan Gaoming Yaqi Toughened Glass          | 6185            | Sterling Mirror Company, LLC              |
| 6077            | Louisville Plate Glass                                         | 6122            | Foshan Gaoming Yaqi Toughened Glass          | 6186            | Sierra Glass Distributors                 |
|                 |                                                                | 6123            | Foshan Gaoming Yaqi Toughened Glass          | 6187            | Trulite Glass and Aluminum Solutions      |
|                 |                                                                | 6124            | Foshan Gaoming Yaqi Toughened Glass          | 6188            | Trulite Glass and Aluminum Solutions      |
|                 |                                                                | 6125            | Shanghai Zhenzhen Glassware Co., LTD.        | 6189            | Trulite Glass and Aluminum Solutions      |
|                 |                                                                | 6126            | Shanghai Zhenzhen Glassware Co., LTD.        | 6190            | Trulite Glass and Aluminum Solutions      |
|                 |                                                                |                 |                                              | 6191            | Changshu Zhongxin Bldg. Mat. Co.          |
|                 |                                                                |                 |                                              | 6192            | Saudi American Glass Company              |
|                 |                                                                |                 |                                              | 6193            | Saudi American Glass Company              |
|                 |                                                                |                 |                                              | 6194            | Glenny Glass Co.                          |

***Certified Products-Numerical Sequence***

| <b>SGCC No.</b> |                                      | <b>SGCC No.</b> |                                                           | <b>SGCC No.</b> |                                        |
|-----------------|--------------------------------------|-----------------|-----------------------------------------------------------|-----------------|----------------------------------------|
| 6195            | Oldcastle BuildingEnvelope®          | 6266            | Thermalsun Glass Products                                 | 6332            | Templado USA Glass & Aluminum Products |
| 6198            | Qingdao Jinjing Co., Ltd.            | 6267            | Thermalsun Glass Products                                 | 6333            | Templado USA Glass & Aluminum Products |
| 6199            | Qingdao Jinjing Co., Ltd.            | 6268            | Thermalsun Glass Products                                 | 6334            | Templado USA Glass & Aluminum Products |
| 6200            | Intus Windows LLC                    | 6269            | Thermalsun Glass Products                                 | 6335            | Templado USA Glass & Aluminum Products |
| 6201            | Intus Windows LLC                    | 6270            | Thermalsun Glass Products                                 | 6336            | Templado USA Glass & Aluminum Products |
| 6202            | Intus Windows LLC                    | 6271            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6337            | Templado USA Glass & Aluminum Products |
| 6203            | Jiangyin Mingyang Glass Production   | 6272            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6338            | Templado USA Glass & Aluminum Products |
| 6204            | Stargrup Cam A.S.                    | 6273            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6339            | Skyline Design                         |
| 6205            | Stargrup Cam A.S.                    | 6274            | Ningbo Xinxin Glass Technology Co., Ltd                   | 6340            | Skyline Design                         |
| 6206            | Stargrup Cam A.S.                    | 6286            | Manko Windows                                             | 6341            | Skyline Design                         |
| 6207            | Stargrup Cam A.S.                    | 6287            | Manko Windows                                             | 6342            | Skyline Design                         |
| 6208            | Stargrup Cam A.S.                    | 6288            | Manko Windows                                             | 6343            | Skyline Design                         |
| 6209            | Crystal Tempering, Inc.              | 6289            | Manko Windows                                             | 6344            | Skyline Design                         |
| 6210            | Crystal Tempering, Inc.              | 6290            | Manko Windows                                             | 6345            | Skyline Design                         |
| 6211            | Crystal Tempering, Inc.              | 6291            | Manko Windows                                             | 6346            | Skyline Design                         |
| 6212            | Crystal Tempering, Inc.              | 6292            | Manko Windows                                             | 6347            | Skyline Design                         |
| 6213            | Crystal Tempering, Inc.              | 6293            | Manko Windows                                             | 6348            | Skyline Design                         |
| 6214            | Crystal Tempering, Inc.              | 6294            | Manko Windows                                             | 6349            | Skyline Design                         |
| 6215            | Crystal Tempering, Inc.              | 6295            | Manko Windows                                             | 6350            | Skyline Design                         |
| 6216            | Crystal Tempering, Inc.              | 6296            | Manko Windows                                             | 6351            | Skyline Design                         |
| 6217            | Verre Concept Novatech               | 6297            | Edge Tempering                                            | 6352            | Skyline Design                         |
| 6218            | Verre Concept Novatech               | 6298            | Edge Tempering                                            | 6353            | Custom Glass Solutions Millbury Corp.  |
| 6219            | Verre Concept Novatech               | 6299            | Edge Tempering                                            | 6354            | Custom Glass Solutions Millbury Corp.  |
| 6220            | Verre Concept Novatech               | 6300            | Standard Bent Glass                                       | 6355            | Custom Glass Solutions Millbury Corp.  |
| 6221            | Verre Concept Novatech               | 6301            | Standard Bent Glass                                       | 6356            | SG Glass Industries L.L.C.             |
| 6222            | Verre Concept Novatech               | 6302            | Standard Bent Glass                                       | 6357            | SG Glass Industries L.L.C.             |
| 6224            | United Plate Glass Co., Inc.         | 6303            | Standard Bent Glass                                       | 6358            | SG Glass Industries L.L.C.             |
| 6225            | United Plate Glass Co., Inc.         | 6304            | Standard Bent Glass                                       | 6359            | SG Glass Industries L.L.C.             |
| 6226            | Whalley Glass Co                     | 6305            | Standard Bent Glass                                       | 6360            | SG Glass Industries L.L.C.             |
| 6227            | Whalley Glass Co                     | 6306            | Standard Bent Glass                                       | 6361            | SG Glass Industries L.L.C.             |
| 6228            | Whalley Glass Co                     | 6307            | Solar Seal Connecticut                                    | 6362            | SG Glass Industries L.L.C.             |
| 6229            | Whalley Glass Co                     | 6308            | Solar Seal Connecticut                                    | 6363            | SG Glass Industries L.L.C.             |
| 6230            | Custom Industries, Inc.              | 6309            | Solar Seal Connecticut                                    | 6364            | WGM Fabricators, LLC                   |
| 6231            | Custom Industries, Inc.              | 6310            | Solar Seal Connecticut                                    | 6365            | WGM Fabricators, LLC                   |
| 6234            | Dlubak Corporation                   | 6311            | Solar Seal Connecticut                                    | 6366            | WGM Fabricators, LLC                   |
| 6237            | Fujian Guangyao Glass Co., LTD.      | 6312            | Solar Seal Connecticut                                    | 6367            | WGM Fabricators, LLC                   |
| 6238            | Fujian Guangyao Glass Co., LTD.      | 6313            | Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd | 6368            | WGM Fabricators, LLC                   |
| 6239            | Fujian Guangyao Glass Co., LTD.      | 6314            | Echols Glass and Mirror, Inc.                             | 6369            | WGM Fabricators, LLC                   |
| 6240            | Fujian Guangyao Glass Co., LTD.      | 6315            | Echols Glass and Mirror, Inc.                             | 6370            | WGM Fabricators, LLC                   |
| 6241            | Fujian Guangyao Glass Co., LTD.      | 6316            | Echols Glass and Mirror, Inc.                             | 6371            | WGM Fabricators, LLC                   |
| 6242            | Fujian Guangyao Glass Co., LTD.      | 6317            | Echols Glass and Mirror, Inc.                             | 6372            | Portland Glass Manufacturing           |
| 6243            | Quality Enclosures Tempering, Inc.   | 6318            | Echols Glass and Mirror, Inc.                             | 6373            | Portland Glass Manufacturing           |
| 6244            | Quality Enclosures Tempering, Inc.   | 6319            | Echols Glass and Mirror, Inc.                             | 6374            | Vivinco, Inc.                          |
| 6245            | Quality Enclosures Tempering, Inc.   | 6320            | Bel Pre Glassworks Inc.                                   | 6375            | United Plate Glass Co., Inc.           |
| 6246            | Quality Enclosures Tempering, Inc.   | 6321            | Bel Pre Glassworks Inc.                                   | 6376            | Trulite Glass and Aluminum Solutions   |
| 6247            | Quality Enclosures Tempering, Inc.   | 6322            | Bel Pre Glassworks Inc.                                   | 6377            | All Weather Tempering of Arizona, LLC. |
| 6248            | Quality Enclosures Tempering, Inc.   | 6324            | Bel Pre Glassworks Inc.                                   | 6378            | All Weather Tempering of Arizona, LLC. |
| 6249            | Quality Enclosures Tempering, Inc.   | 6325            | Bel Pre Glassworks Inc.                                   |                 |                                        |
| 6250            | United Plate Glass Co., Inc.         | 6326            | Gulf Glass Industries, LLC                                |                 |                                        |
| 6251            | United Plate Glass Co., Inc.         | 6328            | Solar Seal Virginia                                       |                 |                                        |
| 6259            | Trulite Glass and Aluminum Solutions | 6329            | Xinyi Glass (Tianjin) Co. Ltd.                            |                 |                                        |
| 6260            | Trulite Glass and Aluminum Solutions | 6331            | Templado USA Glass & Aluminum Products                    |                 |                                        |
| 6261            | ATN Holding Inc.                     |                 |                                                           |                 |                                        |
| 6262            | ATN Holding Inc.                     |                 |                                                           |                 |                                        |
| 6263            | ATN Holding Inc.                     |                 |                                                           |                 |                                        |
| 6264            | ATN Holding Inc.                     |                 |                                                           |                 |                                        |
| 6265            | Thermalsun Glass Products            |                 |                                                           |                 |                                        |

*Certified Products-Numerical Sequence*

| SGCC No. |                                                                | SGCC No. |                                                   | SGCC No. |                                                    |
|----------|----------------------------------------------------------------|----------|---------------------------------------------------|----------|----------------------------------------------------|
| 6379     | All Weather Tempering of Arizona, LLC.                         | 6429     | Aldora Aluminum and Glass Products, Inc.          | 6487     | Shixing Glass (Fujian) Co., Ltd.                   |
| 6380     | All Weather Tempering of Arizona, LLC.                         | 6430     | U.S. Glass Distributors Inc.                      | 6488     | Shixing Glass (Fujian) Co., Ltd.                   |
| 6381     | All Weather Tempering of Arizona, LLC.                         | 6431     | U.S. Glass Distributors Inc.                      | 6489     | Shixing Glass (Fujian) Co., Ltd.                   |
| 6382     | All Weather Tempering of Arizona, LLC.                         | 6432     | Manko Windows                                     | 6490     | Shixing Glass (Fujian) Co., Ltd.                   |
| 6383     | Vitrum Glass Group                                             | 6433     | WinTech                                           | 6491     | Shixing Glass (Fujian) Co., Ltd.                   |
| 6384     | Vitrum Glass Group                                             | 6434     | WinTech                                           | 6492     | Shixing Glass (Fujian) Co., Ltd.                   |
| 6385     | Vitrum Glass Group                                             | 6435     | Northwestern Inds, Inc.                           | 6493     | Shixing Glass (Fujian) Co., Ltd.                   |
| 6386     | Vitrum Glass Group                                             | 6436     | Northwestern Inds, Inc.                           | 6499     | Changshu Zhongxin Bldg. Mat. Co.                   |
| 6387     | Vitrum Glass Group                                             | 6437     | Northwestern Inds, Inc.                           | 6500     | Changshu Zhongxin Bldg. Mat. Co.                   |
| 6388     | Trulite Glass and Aluminum Solutions                           | 6438     | Northwestern Inds, Inc.                           | 6501     | Changshu Zhongxin Bldg. Mat. Co.                   |
| 6389     | Trulite Glass and Aluminum Solutions                           | 6439     | Asahi Glass Co., LTD.                             | 6502     | Shape Products LLC.                                |
| 6390     | View Inc.                                                      | 6440     | Quality Enclosures                                | 6503     | Shape Products LLC.                                |
| 6391     | Syracuse Glass Co., Inc.                                       | 6441     | Quality Enclosures                                | 6504     | Shape Products LLC.                                |
| 6392     | Syracuse Glass Co., Inc.                                       | 6442     | Quality Enclosures                                | 6505     | Shape Products LLC.                                |
| 6393     | Syracuse Glass Co., Inc.                                       | 6443     | Quality Enclosures                                | 6506     | Shape Products LLC.                                |
| 6394     | Oldcastle BuildingEnvelope®                                    | 6444     | Quality Enclosures                                | 6507     | Shape Products LLC.                                |
| 6395     | All Weather Architectural Aluminum                             | 6445     | Quality Enclosures                                | 6508     | PRL Glass Systems                                  |
| 6396     | All Weather Architectural Aluminum                             | 6446     | Quality Enclosures                                | 6509     | Vetreteria F. Illi Paci                            |
| 6397     | All Weather Architectural Aluminum                             | 6447     | Trulite Glass and Aluminum Solutions              | 6510     | Portland Glass Manufacturing                       |
| 6398     | All Weather Architectural Aluminum                             | 6448     | PRL Glass Systems                                 | 6512     | D3 Glass, LLC                                      |
| 6399     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 6452     | Yitian (Cattis) Glass Product Co., Ltd            | 6513     | Right Away Glass, Inc.                             |
| 6400     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 6453     | Yitian (Cattis) Glass Product Co., Ltd            | 6514     | Right Away Glass, Inc.                             |
| 6401     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 6454     | Yitian (Cattis) Glass Product Co., Ltd            | 6515     | Right Away Glass, Inc.                             |
| 6402     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 6455     | Yitian (Cattis) Glass Product Co., Ltd            | 6516     | Cardinal CT                                        |
| 6403     | Texas Tempered, a Trulite Glass and Aluminum Solutions Company | 6456     | Yitian (Cattis) Glass Product Co., Ltd            | 6517     | Productora y Distribuidora de Espejos S.A. de C.V. |
| 6404     | PRESS GLASS SA                                                 | 6457     | Yitian (Cattis) Glass Product Co., Ltd            | 6518     | Productora y Distribuidora de Espejos S.A. de C.V. |
| 6405     | Trulite Glass and Aluminum Solutions                           | 6458     | Yitian (Cattis) Glass Product Co., Ltd            | 6521     | VistaGlass Direct                                  |
| 6407     | Blue Star Glass Inc.                                           | 6459     | Dalian Dongsong Tempered Glass Products Co., Ltd. | 6522     | Cardinal IG                                        |
| 6408     | GlassFab Tempering Services, Inc. Mariani Ct.                  | 6460     | Shandong Kingtom Glass Co., Ltd.                  | 6523     | Cardinal IG                                        |
| 6409     | All Counties Glass Distributors                                | 6461     | Shandong Kingtom Glass Co., Ltd.                  | 6524     | Cardinal IG                                        |
| 6410     | All Counties Glass Distributors                                | 6462     | Shandong Kingtom Glass Co., Ltd.                  | 6525     | Cardinal IG                                        |
| 6411     | All Counties Glass Distributors                                | 6463     | Shandong Kingtom Glass Co., Ltd.                  | 6534     | Cardinal CG                                        |
| 6412     | All Counties Glass Distributors                                | 6464     | Multiver Inc.                                     | 6535     | VistaGlass Direct                                  |
| 6413     | All Counties Glass Distributors                                | 6465     | Multiver Inc.                                     | 6536     | VistaGlass Direct                                  |
| 6414     | All Counties Glass Distributors                                | 6466     | Multiver Inc.                                     | 6537     | VistaGlass Direct                                  |
| 6415     | All Counties Glass Distributors                                | 6467     | Multiver Inc.                                     | 6538     | VistaGlass Direct                                  |
| 6416     | Pulp Studio Inc.                                               | 6468     | Multiver Inc.                                     | 6539     | VistaGlass Direct                                  |
| 6418     | Tengzhou Fenghua Glass Co., LTD                                | 6469     | Bel Shower Door Corporation                       | 6540     | GnT Glass Co., Ltd.                                |
| 6419     | Tengzhou Fenghua Glass Co., LTD                                | 6470     | Bel Shower Door Corporation                       | 6547     | Arrow Mirror & Glass, Inc.                         |
| 6420     | Tengzhou Fenghua Glass Co., LTD                                | 6471     | Bel Shower Door Corporation                       | 6548     | Arrow Mirror & Glass, Inc.                         |
| 6421     | Tengzhou Fenghua Glass Co., LTD                                | 6472     | Bel Shower Door Corporation                       | 6549     | Arrow Mirror & Glass, Inc.                         |
| 6422     | Tengzhou Fenghua Glass Co., LTD                                | 6473     | Bel Shower Door Corporation                       | 6550     | Thermo BSL                                         |
| 6423     | Tengzhou Fenghua Glass Co., LTD                                | 6474     | Bel Shower Door Corporation                       | 6551     | Sanshiba                                           |
| 6424     | Tengzhou Fenghua Glass Co., LTD                                | 6475     | Changshu Zhongxin Bldg. Mat. Co.                  | 6552     | Cardinal CG                                        |
| 6425     | Tengzhou Fenghua Glass Co., LTD                                | 6476     | LandGlass Technology Co., LTD                     | 6553     | Cardinal CG                                        |
| 6426     | Tengzhou Fenghua Glass Co., LTD                                | 6477     | Aldora Aluminum and Glass Products, Inc.          | 6554     | Cardinal CG                                        |
| 6427     | Tengzhou Fenghua Glass Co., LTD                                | 6478     | Jiangyin Mingyang Glass Production                | 6555     | Cardinal CG                                        |
| 6428     | Aldora Aluminum and Glass Products, Inc.                       | 6479     | Jiangyin Mingyang Glass Production                | 6556     | Cardinal IG                                        |
|          |                                                                | 6480     | M Industria S.A. DE C.V.                          | 6557     | Cardinal IG                                        |
|          |                                                                | 6481     | M Industria S.A. DE C.V.                          | 6558     | Cardinal IG                                        |
|          |                                                                | 6482     | M Industria S.A. DE C.V.                          | 6559     | Cardinal IG                                        |
|          |                                                                | 6483     | M Industria S.A. DE C.V.                          | 6570     | Guardian IG LLC                                    |
|          |                                                                | 6485     | Shixing Glass (Fujian) Co., Ltd.                  | 6571     | Guardian IG LLC                                    |
|          |                                                                | 6486     | Shixing Glass (Fujian) Co., Ltd.                  | 6573     | Jiaxing Joinbath Corporation                       |
|          |                                                                |          |                                                   | 6574     | Glaz-Tech Industries, Inc.                         |

*Certified Products-Numerical Sequence*

| <i>SGCC No.</i> |                                       | <i>SGCC No.</i> |                                           | <i>SGCC No.</i> |  |
|-----------------|---------------------------------------|-----------------|-------------------------------------------|-----------------|--|
| 6575            | Glaz-Tech Industries, Inc.            | 6640            | Henan Longwang Tempered Vacuum Glass Ltd. |                 |  |
| 6576            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6577            | Glaz-Tech Industries, Inc.            | 6667            | Sanshiba                                  |                 |  |
| 6578            | Glaz-Tech Industries, Inc.            | 6671            | Custom Glass Products Inc.                |                 |  |
| 6579            | Glaz-Tech Industries, Inc.            | 6676            | J&C International Ltd.                    |                 |  |
| 6580            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6581            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6589            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6590            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6591            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6592            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6593            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6594            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6595            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6597            | Glass Enterprises, Inc.               |                 |                                           |                 |  |
| 6598            | Glass Enterprises, Inc.               |                 |                                           |                 |  |
| 6599            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6600            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6601            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6602            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6603            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6604            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6605            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6606            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 6607            | Glaz-Tech Industries, Inc.            |                 |                                           |                 |  |
| 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  |                 |                                           |                 |  |
| 6614            | Oldcastle BuildingEnvelope®           |                 |                                           |                 |  |
| 6615            | Trulite Glass and Aluminum Solutions  |                 |                                           |                 |  |
| 6616            | Tristar Glass, Inc.                   |                 |                                           |                 |  |
| 6617            | Cardinal LG Northeast                 |                 |                                           |                 |  |
| 6618            | Cardinal LG Northeast                 |                 |                                           |                 |  |
| 6619            | JYC Glass Co. Ltd.                    |                 |                                           |                 |  |
| 6620            | JYC Glass Co. Ltd.                    |                 |                                           |                 |  |
| 6621            | JYC Glass Co. Ltd.                    |                 |                                           |                 |  |
| 6622            | JYC Glass Co. Ltd.                    |                 |                                           |                 |  |
| 6623            | Jin Yao Chang Tempered Glass Co., Ltd |                 |                                           |                 |  |
| 6624            | Jin Yao Chang Tempered Glass Co., Ltd |                 |                                           |                 |  |
| 6625            | Jin Yao Chang Tempered Glass Co., Ltd |                 |                                           |                 |  |
| 6626            | Jin Yao Chang Tempered Glass Co., Ltd |                 |                                           |                 |  |
| 6627            | Jin Yao Chang Tempered Glass Co., Ltd |                 |                                           |                 |  |
| 6628            | Jin Yao Chang Tempered Glass Co., Ltd |                 |                                           |                 |  |
| 6629            | Jin Yao Chang Tempered Glass Co., Ltd |                 |                                           |                 |  |
| 6630            | FastTemp NYC LLC                      |                 |                                           |                 |  |
| 6631            | FastTemp NYC LLC                      |                 |                                           |                 |  |
| 6632            | FastTemp NYC LLC                      |                 |                                           |                 |  |

## 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>A.L. Smith Glass Co. Inc. ; Ijamsville, MD</b>                          |           |                                |      |                  |                       |               | <b>Aldora Aluminum and Glass Products Inc. ; Charleston, SC</b>  |           |                                |      |                   |                       |               |
| 6144                                                                       | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | U A           | 4328                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 6145                                                                       | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | U A           | 4329                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           |
| <b>AGC Flat Glass North America ; Greenland, TN</b>                        |           |                                |      |                  |                       |               | 4330                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 598                                                                        | COMP+CAN  | 1/8                            |      | 3.0 TTG          |                       | U A           | 4331                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 955                                                                        | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | U A           | 4335                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 220                                                                        | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | U A           | 4336                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 89                                                                         | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           | 4332                                                             | COMPOSITE | 1/8                            |      | 3.0 TPG (s)       |                       | U A           |
| 4046                                                                       | COMP+CAN  | 5/16                           |      | 8.0 TTG          |                       | U A           | 4333                                                             | COMPOSITE | 5/32                           |      | 4.0 TPG (d)       |                       | U A           |
| 90                                                                         | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | U A           | 4338                                                             | COMPOSITE | 1/4                            |      | 6.0 TPG (m)       |                       | U A           |
| 587                                                                        | COMP+CAN  | 1/8                            |      | 3.0 TPG (s)      |                       | U A           | 4339                                                             | COMPOSITE | 3/8                            |      | 10.0 TPG (s)      |                       | U A           |
| 2980                                                                       | COMP+CAN  | 5/32                           |      | 4.0 TPG (m)      |                       | U A           | 4337                                                             | COMPOSITE | (H)                            |      | 8, 12 LTG (lu)(A) | (.060)                | U A           |
| 1139                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TPG (s)      |                       | U A           | <b>Aldora Aluminum and Glass Products, Inc. ; Miramar, FL</b>    |           |                                |      |                   |                       |               |
| <b>AGC Flat Glass North America ; Spring Hill, KS</b>                      |           |                                |      |                  |                       |               | 4716                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 1702                                                                       | COMP+CAN  | 1/8                            |      | 3.0 TTG          |                       | U A           | 4717                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 1703                                                                       | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | U A           | 4718                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 1704                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | U A           | 4719                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 1705                                                                       | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           | 6477                                                             | COMPOSITE | 5/8                            |      | 16.0 TTG          |                       | U A           |
| <b>AGC/Poma Glass Co. N.A. ; Boardman, OH</b>                              |           |                                |      |                  |                       |               | 4789                                                             | COMPOSITE | (H)                            |      | 12 LTG (lu)(A)(6) | (.090)                | U A           |
| 5471                                                                       | COMP+CAN  | 1/8                            |      | 3.0 TTG          |                       | U A           | <b>Aldora Aluminum and Glass Products, Inc. ; Orlando, FL</b>    |           |                                |      |                   |                       |               |
| 5472                                                                       | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | U A           | 5574                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 5473                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | U A           | 5575                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 5474                                                                       | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           | 5576                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 5475                                                                       | COMP+CAN  | 1/8                            |      | 3.0 TPG (m)      |                       | U A           | 5579                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 5476                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TPG (m)      |                       | U A           | 5577                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           |
| <b>AGC-Poma Glass Co. N.A. ; Quakertown, PA</b>                            |           |                                |      |                  |                       |               | 6428                                                             | COMPOSITE | (H)                            |      | 8 LTG (b)(A)      | (.060)                | U A           |
| 2507                                                                       | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | U A           | 6429                                                             | COMPOSITE | (H)                            |      | 8 LTG (ip)(A)     | (.060)                | U A           |
| 3421                                                                       | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | U A           | <b>All Counties Glass Distributors ; Stockton, CA</b>            |           |                                |      |                   |                       |               |
| 2509                                                                       | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | U A           | 6409                                                             | COMP+CAN  | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 2666                                                                       | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           | 6410                                                             | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 2510                                                                       | COMPOSITE | 1/8                            |      | 3.0 TPG (s)      |                       | U A           | 6411                                                             | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 3698                                                                       | COMPOSITE | 3/16                           |      | 5.0 TPG (m)      |                       | U A           | 6412                                                             | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| <b>AGNORA (Architectural Glass North America) ; Collingwood, ON Canada</b> |           |                                |      |                  |                       |               | 6413                                                             | COMP+CAN  | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 4883                                                                       | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           | 6414                                                             | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 4885                                                                       | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | U A           | 6415                                                             | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 4884                                                                       | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | U A           | <b>All Glass (Suqian) Limited ; Suqian City, Jiangsu</b>         |           |                                |      |                   |                       |               |
| 4886                                                                       | COMP+CAN  | (H)                            |      | 12+ LTG (b)(A)   | (.030)                | U A           | 6016                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           |
| <b>AI Abbar Architectural Glass ; Dubai, United Arab Emirates</b>          |           |                                |      |                  |                       |               | <b>All Team Glass &amp; Mirror, Ltd. ; Woodbridge, ON Canada</b> |           |                                |      |                   |                       |               |
| 4846                                                                       | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | U A           | 1754                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 3556                                                                       | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           | 1755                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 3557                                                                       | COMPOSITE | 5/16                           |      | 8.0 TTG          |                       | U A           | 1756                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 3558                                                                       | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | U A           | 2790                                                             | COMPOSITE | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 4590                                                                       | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | U A           | 1757                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 3976                                                                       | COMPOSITE | *                              |      | 15.0 TTG (4)     |                       | U A           | 1758                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 3977                                                                       | COMPOSITE | 3/4                            |      | 19.0 TTG         |                       | U A           | 4355                                                             | COMPOSITE | 5/8                            |      | 16.0 TTG          |                       | U A           |
| 3560                                                                       | COMPOSITE | (H)                            |      | 8-16+ LTG (b)(A) | (.030)                | U A           | 3656                                                             | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           |
|                                                                            |           |                                |      |                  |                       |               | <b>All Weather Architectural Aluminum ; Vacaville, CA</b>        |           |                                |      |                   |                       |               |
|                                                                            |           |                                |      |                  |                       |               | 6395                                                             | COMP+CAN  | 1/8                            |      | 3.0 TTG           |                       | U A           |
|                                                                            |           |                                |      |                  |                       |               | 6396                                                             | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
|                                                                            |           |                                |      |                  |                       |               | 6397                                                             | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
|                                                                            |           |                                |      |                  |                       |               | 6398                                                             | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |

## 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>All Weather Tempering of Arizona, LLC. ; Phoenix, AZ</b>             |           |                   |              |                    |            | <b>Anthony International ; San Fernando, CA</b>                                        |           |                   |               |                    |            |
| 6377                                                                    | COMPOSITE | 1/8               | 3.0 TTG      |                    | U A        | 520                                                                                    | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        |
| 6378                                                                    | COMPOSITE | 5/32              | 4.0 TTG      |                    | U A        | 2289                                                                                   | COMPOSITE | 5/32              | 4.0 TTG       |                    | U A        |
| 6379                                                                    | COMPOSITE | 3/16              | 5.0 TTG      |                    | U A        | 999                                                                                    | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        |
| 6380                                                                    | COMPOSITE | 1/4               | 6.0 TTG      |                    | U A        | 1000                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 6381                                                                    | COMPOSITE | 1/8               | 3.0 TPG (s)  |                    | U A        | <b>Architectural Glass Products, LLC. ; St. Louis, MO</b>                              |           |                   |               |                    |            |
| 6382                                                                    | COMPOSITE | 3/16              | 5.0 TPG (m)  |                    | U A        | 4571                                                                                   | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        |
| <b>Allglass Tempering Inc. ; Schiller Park, IL</b>                      |           |                   |              |                    |            | 4572                                                                                   | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        |
| 5835                                                                    | COMPOSITE | 5/32              | 4.0 TTG      |                    | U A        | 4573                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 5836                                                                    | COMPOSITE | 3/16              | 5.0 TTG      |                    | U A        | 4574                                                                                   | COMPOSITE | 3/16              | 5.0 TPG (s)   |                    | U A        |
| 5837                                                                    | COMPOSITE | 1/4               | 6.0 TTG      |                    | U A        | <b>Arlene Stained Glass &amp; Door ; Houston, TX</b>                                   |           |                   |               |                    |            |
| 5838                                                                    | COMPOSITE | 3/8               | 10.0 TTG     |                    | U A        | 5127                                                                                   | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        |
| 5839                                                                    | COMPOSITE | 1/2               | 12.0 TTG     |                    | U A        | 3583                                                                                   | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        |
| <b>Aluminum Manufacturers Co. Ltd - ALUMATEC ; Jeddah, Saudi Arabia</b> |           |                   |              |                    |            | 3584                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 6151                                                                    | COMPOSITE | 1/4               | 6.0 TTG      |                    | U A        | 3585                                                                                   | COMPOSITE | 5/32              | 4.0 TPG (d)   |                    | U A        |
| 6152                                                                    | COMPOSITE | 5/16              | 8.0 TTG      |                    | U A        | <b>Arrow Mirror &amp; Glass, Inc. ; Houston, TX</b>                                    |           |                   |               |                    |            |
| <b>Aluminum Technology Auxiliary Industries ; Doha, Qatar</b>           |           |                   |              |                    |            | 6547                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 5084                                                                    | COMPOSITE | 3/8               | 10.0 TTG     |                    | U A        | 6548                                                                                   | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        |
| 5212                                                                    | COMPOSITE | 1/2               | 12.0 TTG     |                    | U A        | 6549                                                                                   | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        |
| <b>American Insulated Glass Inc. ; Conley, GA</b>                       |           |                   |              |                    |            | <b>Asahi Glass Co., LTD. ; Aichi, Japan</b>                                            |           |                   |               |                    |            |
| 5283                                                                    | COMPOSITE | 1/8               | 3.0 TTG      |                    | U A        | 6439                                                                                   | COMPOSITE | 1/4               | 6.0 TBG       |                    | U A        |
| 5284                                                                    | COMPOSITE | 3/16              | 5.0 TTG      |                    | U A        | <b>Ascent Glass Products (Zhong Shan) Limited ; Zhongshan City, Guangdong Province</b> |           |                   |               |                    |            |
| 5285                                                                    | COMPOSITE | 1/4               | 6.0 TTG      |                    | U A        | 5865                                                                                   | COMPOSITE | 5/32              | 4.0 TTG       |                    | U A        |
| 5286                                                                    | COMPOSITE | 3/8               | 10.0 TTG     |                    | U A        | 5866                                                                                   | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        |
| 5287                                                                    | COMPOSITE | 1/2               | 12.0 TTG     |                    | U A        | 5867                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 5288                                                                    | COMPOSITE | 1/8               | 3.0 TPG (s)  |                    | U A        | 5868                                                                                   | COMPOSITE | 5/16              | 8.0 TTG       |                    | U A        |
| 5289                                                                    | COMPOSITE | 3/16              | 5.0 TPG (m)  |                    | U A        | 5869                                                                                   | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        |
| <b>American Shower Door ; Los Angeles, CA</b>                           |           |                   |              |                    |            | <b>ATI Windows ; Riverside, CA</b>                                                     |           |                   |               |                    |            |
| 4616                                                                    | COMPOSITE | 3/16              | 5.0 TTG      |                    | U A        | 5635                                                                                   | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        |
| 3039                                                                    | COMPOSITE | 1/4               | 6.0 TTG      |                    | U A        | 5636                                                                                   | COMPOSITE | 5/32              | 4.0 TTG       |                    | U A        |
| 3040                                                                    | COMPOSITE | 3/8               | 10.0 TTG     |                    | U A        | 5637                                                                                   | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        |
| 3041                                                                    | COMPOSITE | 1/2               | 12.0 TTG     |                    | U A        | 5638                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 3042                                                                    | COMPOSITE | 1/4               | 6.0 TPG (s)  |                    | U A        | 5639                                                                                   | COMPOSITE | 1/8               | 3.0 TPG (s)   |                    | U A        |
| 3043                                                                    | COMPOSITE | 3/8               | 10.0 TPG (s) |                    | U A        | 6042                                                                                   | COMPOSITE | 3/16              | 5.0 TPG (m)   |                    | U A        |
| <b>Amsco Windows ; Salt Lake City, UT</b>                               |           |                   |              |                    |            | <b>ATN Holding Inc. ; Mira Loma, CA</b>                                                |           |                   |               |                    |            |
| 2578                                                                    | COMPOSITE | 1/8               | 3.0 TTG      |                    | U A        | 5887                                                                                   | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        |
| 4643                                                                    | COMPOSITE | 5/32              | 4.0 TTG      |                    | U A        | 5888                                                                                   | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        |
| 2580                                                                    | COMPOSITE | 3/16              | 5.0 TTG      |                    | U A        | 6262                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 2581                                                                    | COMPOSITE | 1/4               | 6.0 TTG      |                    | U A        | 6263                                                                                   | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        |
| 2582                                                                    | COMPOSITE | 1/8               | 3.0 TPG (m)  |                    | U A        | 6264                                                                                   | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        |
| 2584                                                                    | COMPOSITE | 3/16              | 5.0 TPG (m)  |                    | U A        | 6261                                                                                   | COMPOSITE | 1/8               | 3.0 TPG (s)   |                    | U A        |
| <b>Anthony International ; Madison, GA</b>                              |           |                   |              |                    |            | <b>AVIC Sanxin Co. Ltd. ; Shenzhen, Guangdong, China</b>                               |           |                   |               |                    |            |
| 3249                                                                    | COMPOSITE | 1/8               | 3.0 TTG      |                    | U A        | 5766                                                                                   | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        |
| 3027                                                                    | COMPOSITE | 5/32              | 4.0 TTG      |                    | U A        | 5767                                                                                   | COMPOSITE | 5/16              | 8.0 TTG       |                    | U A        |
| 2352                                                                    | COMPOSITE | 3/16              | 5.0 TTG      |                    | U A        | 5768                                                                                   | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        |
| 2353                                                                    | COMPOSITE | 1/4               | 6.0 TTG      |                    | U A        | 5769                                                                                   | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        |
| 5234                                                                    | COMPOSITE | 5/16              | 8.0 TTG      |                    | U A        | 5770                                                                                   | COMPOSITE | *                 | 15.0 TTG (3)  |                    | U A        |
| 2453                                                                    | COMPOSITE | 3/8               | 10.0 TTG     |                    | U A        | 5771                                                                                   | COMPOSITE | 3/4               | 19.0 TTG      |                    | U A        |
| 6099                                                                    | COMPOSITE | 5/32              | 4.0 TBG      |                    | U A        | 5765                                                                                   | COMPOSITE | (H)               | 12 LTG (b)(A) | (.060)             | U A        |
| 2306                                                                    | COMPOSITE | 3/16              | 5.0 TBG      |                    | U A        |                                                                                        |           |                   |               |                    |            |
| 2307                                                                    | COMPOSITE | 1/4               | 6.0 TBG      |                    | U A        |                                                                                        |           |                   |               |                    |            |

## 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>Basco Engineered Products ; Hamilton, OH</b>              |           |                                |      |                   |                       |               | <b>Blue Star Glass Inc. ; North Brunswick, NJ</b> |           |                                |      |             |                       |               |
| 4139                                                         | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           | 4517                                              | COMPOSITE | 1/8                            |      | 3.0 TTG     |                       | U A           |
| 4724                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           | 4518                                              | COMPOSITE | 3/16                           |      | 5.0 TTG     |                       | U A           |
| 3810                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           | 4519                                              | COMPOSITE | 1/4                            |      | 6.0 TTG     |                       | U A           |
| 3811                                                         | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           | 6407                                              | COMPOSITE | 5/16                           |      | 8.0 TTG     |                       | U A           |
| 3812                                                         | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           | 4520                                              | COMPOSITE | 3/8                            |      | 10.0 TTG    |                       | U A           |
| 5076                                                         | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           | 4521                                              | COMPOSITE | 1/2                            |      | 12.0 TTG    |                       | U A           |
| 4688                                                         | COMPOSITE | 3/16                           |      | 5.0 TPG (m)       |                       | U A           | 5174                                              | COMPOSITE | 5/8                            |      | 16.0 TTG    |                       | U A           |
| 4689                                                         | COMPOSITE | 1/4                            |      | 6.0 TPG (s)       |                       | U A           | 5175                                              | COMPOSITE | 3/4                            |      | 19.0 TTG    |                       | U A           |
| 5203                                                         | COMPOSITE | 3/8                            |      | 10.0 TPG (m)      |                       | U A           | <b>Bronco Industries, Inc. ; Delta, BC</b>        |           |                                |      |             |                       |               |
| <b>Beijing Wuhua Tianbao Glass Co. ; Beijing, China</b>      |           |                                |      |                   |                       |               | 5870                                              | COMP+CAN  | 1/8                            |      | 3.0 TTG     |                       | U A           |
| 5558                                                         | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           | 5871                                              | COMP+CAN  | 5/32                           |      | 4.0 TTG     |                       | U A           |
| 5559                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           | 5872                                              | COMP+CAN  | 3/16                           |      | 5.0 TTG     |                       | U A           |
| 5560                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           | 5366                                              | COMP+CAN  | 1/4                            |      | 6.0 TTG     |                       | U A           |
| 5561                                                         | COMPOSITE | 5/16                           |      | 8.0 TTG           |                       | U A           | 5367                                              | COMP+CAN  | 3/8                            |      | 10.0 TTG    |                       | U A           |
| 5562                                                         | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           | 5368                                              | COMP+CAN  | 1/2                            |      | 12.0 TTG    |                       | U A           |
| 5563                                                         | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           | <b>BVGLAZING SYSTEMS ; Concord, ON</b>            |           |                                |      |             |                       |               |
| 5661                                                         | COMPOSITE | *                              |      | 15.0 TTG (3)      |                       | U A           | 6134                                              | COMP+CAN  | 5/32                           |      | 4.0 TTG     |                       | U A           |
| 5662                                                         | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           | 6135                                              | COMP+CAN  | 3/16                           |      | 5.0 TTG     |                       | U A           |
| 5664                                                         | COMPOSITE | (H)                            |      | 12-16+ LTG (b)(A) | (.045)                | U A           | 6136                                              | COMP+CAN  | 1/4                            |      | 6.0 TTG     |                       | U A           |
| 5663                                                         | COMPOSITE | (H)                            |      | 20+ LTG (b)(A)    | (.030)                | U A           | 6137                                              | COMP+CAN  | 5/16                           |      | 8.0 TTG     |                       | U A           |
| <b>Bel Pre Glassworks Inc. ; Rockville, MD</b>               |           |                                |      |                   |                       |               | 6138                                              | COMP+CAN  | 3/8                            |      | 10.0 TTG    |                       | U A           |
| 6320                                                         | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           | 6139                                              | COMP+CAN  | 3/16                           |      | 5.0 TPG (s) |                       | U A           |
| 6321                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           | <b>Cameron Glass, Inc. ; Broken Arrow, OK</b>     |           |                                |      |             |                       |               |
| 6322                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           | 4832                                              | COMPOSITE | 1/8                            |      | 3.0 TTG     |                       | U A           |
| 6324                                                         | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           | 2501                                              | COMPOSITE | 3/16                           |      | 5.0 TTG     |                       | U A           |
| 6325                                                         | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           | 2455                                              | COMPOSITE | 1/4                            |      | 6.0 TTG     |                       | U A           |
| <b>Bel Shower Door Corporation ; Englewood, CO</b>           |           |                                |      |                   |                       |               | 2032                                              | COMP+CAN  | 3/8                            |      | 10.0 TTG    |                       | U A           |
| 6469                                                         | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           | 2033                                              | COMP+CAN  | 1/2                            |      | 12.0 TTG    |                       | U A           |
| 6470                                                         | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           | <b>Cardinal CG ; Buford, GA</b>                   |           |                                |      |             |                       |               |
| 6471                                                         | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           | 1921                                              | COMP+CAN  | 1/8                            |      | 3.0 TTG     |                       | U A           |
| 6472                                                         | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           | 1922                                              | COMP+CAN  | 5/32                           |      | 4.0 TTG     |                       | U A           |
| 6473                                                         | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           | 1923                                              | COMP+CAN  | 3/16                           |      | 5.0 TTG     |                       | U A           |
| 6474                                                         | COMP+CAN  | 3/16                           |      | 5.0 TPG (m)       |                       | U A           | 1924                                              | COMP+CAN  | 1/4                            |      | 6.0 TTG     |                       | U A           |
| <b>Bendheim Wall Systems ; Wunsiedel-Holenbrunn, Germany</b> |           |                                |      |                   |                       |               | 2146                                              | COMP+CAN  | 1/8                            |      | 3.0 TPG (s) |                       | U A           |
| 5145                                                         | COMPOSITE | *                              |      | 6.0 TBP (s)(2)    |                       | 20x7 A        | 4599                                              | COMP+CAN  | 3/16                           |      | 5.0 TPG (s) |                       | U A           |
| 5144                                                         | COMPOSITE | *                              |      | 7.0 TBP (s)(2)    |                       | 16x7 A        | <b>Cardinal CG ; Galt, CA</b>                     |           |                                |      |             |                       |               |
| 2570                                                         | COMPOSITE | *                              |      | 6.0 TBG (2)       |                       | 20x7 A        | 2357                                              | COMPOSITE | 1/8                            |      | 3.0 TTG     |                       | U A           |
| 2569                                                         | COMPOSITE | *                              |      | 7.0 TBG (2)       |                       | 16x7 A        | 2358                                              | COMPOSITE | 5/32                           |      | 4.0 TTG     |                       | U A           |
| <b>Benge Custom Specialties, LLC ; Yulee, FL</b>             |           |                                |      |                   |                       |               | 2359                                              | COMPOSITE | 3/16                           |      | 5.0 TTG     |                       | U A           |
| 6023                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           | 2360                                              | COMPOSITE | 1/4                            |      | 6.0 TTG     |                       | U A           |
| 6024                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           | 3599                                              | COMPOSITE | 1/8                            |      | 3.0 TPG (s) |                       | U A           |
| 6025                                                         | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           | 4347                                              | COMPOSITE | 5/32                           |      | 4.0 TPG (m) |                       | U A           |
| 6026                                                         | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           | 3601                                              | COMPOSITE | 3/16                           |      | 5.0 TPG (m) |                       | U A           |
| <b>Berkowitz, J.E. ; Pedricktown, NJ</b>                     |           |                                |      |                   |                       |               | <b>Cardinal CG ; Loveland, CO</b>                 |           |                                |      |             |                       |               |
| 4837                                                         | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           | 3579                                              | COMPOSITE | 1/8                            |      | 3.0 TTG     |                       | U A           |
| 2646                                                         | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           | 3580                                              | COMPOSITE | 5/32                           |      | 4.0 TTG     |                       | U A           |
| 1991                                                         | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           | 3581                                              | COMPOSITE | 3/16                           |      | 5.0 TTG     |                       | U A           |
| 2647                                                         | COMP+CAN  | 3/4                            |      | 19.0 TTG          |                       | U A           | 3555                                              | COMPOSITE | 1/4                            |      | 6.0 TTG     |                       | U A           |
| 5222                                                         | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U A           | 4343                                              | COMPOSITE | 1/8                            |      | 3.0 TPG (s) |                       | U A           |
| 3750                                                         | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A)  | (.030)                | U A           | 4344                                              | COMPOSITE | 5/32                           |      | 4.0 TPG (d) |                       | U A           |
|                                                              |           |                                |      |                   |                       |               | 4345                                              | COMPOSITE | 3/16                           |      | 5.0 TPG (m) |                       | U A           |
|                                                              |           |                                |      |                   |                       |               | 5720                                              | COMPOSITE | 1/4                            |      | 6.0 TPG (d) |                       | U A           |



## Certified Products-Alphabetical By Plant

| SGCC#                                  | TEST STD | INCHES (MM)       | TYPE        | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                | TEST STD  | INCHES (MM)       | TYPE         | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|----------------------------------------|----------|-------------------|-------------|-----------------------------|------|--------------------------------------|-----------|-------------------|--------------|-----------------------------|------|
|                                        |          | (THICKNESS CLASS) |             |                             |      |                                      |           | (THICKNESS CLASS) |              |                             |      |
| <b>Cardinal CG ; Mazomanie, WI</b>     |          |                   |             |                             |      | <b>Cardinal CT ; Adel, GA</b>        |           |                   |              |                             |      |
| 4780                                   | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 5095                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| 4781                                   | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 5096                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| 5306                                   | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 5097                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| 4783                                   | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 5364                                 | COMP+CAN  | 1/4               | 6.0 TTG      |                             | U A  |
| 6552                                   | COMP+CAN | 5/16              | 8.0 TTG     |                             | U A  | 6172                                 | COMP+CAN  | 3/8               | 10.0 TTG     |                             | U A  |
| 6553                                   | COMP+CAN | 3/8               | 10.0 TTG    |                             | U A  | 6173                                 | COMP+CAN  | 1/2               | 12.0 TTG     |                             | U A  |
| 6554                                   | COMP+CAN | 1/2               | 12.0 TTG    |                             | U A  | 5098                                 | COMP+CAN  | 1/8               | 3.0 TPG (d)  |                             | U A  |
| <b>Cardinal CG ; Moreno Valley, CA</b> |          |                   |             |                             |      | 5099                                 | COMP+CAN  | 5/32              | 4.0 TPG (d)  |                             | U A  |
| 2293                                   | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 5100                                 | COMP+CAN  | 3/16              | 5.0 TPG (d)  |                             | U A  |
| 2294                                   | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 6174                                 | COMP+CAN  | 1/4               | 6.0 TPG (s)  |                             | U A  |
| 2295                                   | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 6516                                 | COMP+CAN  | 3/8               | 10.0 TPG (s) |                             | U A  |
| 2296                                   | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | <b>Cardinal CT ; Easton, PA</b>      |           |                   |              |                             |      |
| 5335                                   | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | 4756                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| 5336                                   | COMP+CAN | 3/16              | 5.0 TPG (s) |                             | U A  | 4757                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| <b>Cardinal CG ; Northfield, MN</b>    |          |                   |             |                             |      | 4758                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| 1985                                   | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 5842                                 | COMP+CAN  | 1/4               | 6.0 TTG      |                             | U A  |
| 1986                                   | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 4759                                 | COMP+CAN  | 1/8               | 3.0 TPG (m)  |                             | U A  |
| 1987                                   | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 4760                                 | COMP+CAN  | 5/32              | 4.0 TPG (m)  |                             | U A  |
| 1988                                   | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 6143                                 | COMP+CAN  | 3/16              | 5.0 TPG (s)  |                             | U A  |
| 4775                                   | COMP+CAN | 5/16              | 8.0 TTG     |                             | U A  | <b>Cardinal CT ; Los Angeles, CA</b> |           |                   |              |                             |      |
| 4137                                   | COMP+CAN | 3/8               | 10.0 TTG    |                             | U A  | 5085                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| 6534                                   | COMP+CAN | 1/2               | 12.0 TTG    |                             | U A  | 5086                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| 2011                                   | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | 5087                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| 2012                                   | COMP+CAN | 5/32              | 4.0 TPG (d) |                             | U A  | 5991                                 | COMP+CAN  | 1/4               | 6.0 TTG      |                             | U A  |
| 2013                                   | COMP+CAN | 3/16              | 5.0 TPG (m) |                             | U A  | 5088                                 | COMP+CAN  | 1/8               | 3.0 TPG (s)  |                             | U A  |
| <b>Cardinal CG ; Spring Green, WI</b>  |          |                   |             |                             |      | 5089                                 | COMP+CAN  | 3/16              | 5.0 TPG (m)  |                             | U A  |
| 2067                                   | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | <b>Cardinal CT ; Mount Airy, NC</b>  |           |                   |              |                             |      |
| 2068                                   | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 4578                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| 2069                                   | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 4579                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| 2070                                   | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 4580                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| 5281                                   | COMP+CAN | 5/16              | 8.0 TTG     |                             | U A  | 4581                                 | COMP+CAN  | 1/8               | 3.0 TPG (s)  |                             | U A  |
| 2071                                   | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | 4742                                 | COMP+CAN  | 5/32              | 4.0 TPG (m)  |                             | U A  |
| <b>Cardinal CG ; Tumwater, WA</b>      |          |                   |             |                             |      | 4582                                 | COMP+CAN  | 3/16              | 5.0 TPG (s)  |                             | U A  |
| 2007                                   | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | <b>Cardinal CT ; Utica, OH</b>       |           |                   |              |                             |      |
| 2008                                   | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 4620                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| 2009                                   | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 4621                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| 2010                                   | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 4622                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| 2954                                   | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | 5479                                 | COMP+CAN  | 1/4               | 6.0 TTG      |                             | U A  |
| 2956                                   | COMP+CAN | 3/16              | 5.0 TPG (m) |                             | U A  | 4623                                 | COMP+CAN  | 1/8               | 3.0 TPG (m)  |                             | U A  |
| <b>Cardinal CG ; Waxahachie, TX</b>    |          |                   |             |                             |      | 4624                                 | COMP+CAN  | 5/32              | 4.0 TPG (m)  |                             | U A  |
| 2699                                   | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 4625                                 | COMP+CAN  | 3/16              | 5.0 TPG (m)  |                             | U A  |
| 2700                                   | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | <b>Cardinal CT - S ; Irving TX</b>   |           |                   |              |                             |      |
| 2701                                   | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 5101                                 | COMPOSITE | 1/8               | 3.0 TTG      |                             | U A  |
| 2702                                   | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 5102                                 | COMPOSITE | 5/32              | 4.0 TTG      |                             | U A  |
| 6555                                   | COMP+CAN | 1/8               | 3.0 TPG (m) |                             | U A  | 5103                                 | COMPOSITE | 3/16              | 5.0 TTG      |                             | U A  |
| 4047                                   | COMP+CAN | 5/32              | 4.0 TPG (m) |                             | U A  | 5104                                 | COMPOSITE | 1/4               | 6.0 TTG      |                             | U A  |
| 2705                                   | COMP+CAN | 3/16              | 5.0 TPG (m) |                             | U A  | 5105                                 | COMPOSITE | 1/8               | 3.0 TPG (s)  |                             | U A  |
|                                        |          |                   |             |                             |      | 5106                                 | COMPOSITE | 3/16              | 5.0 TPG (d)  |                             | U A  |
|                                        |          |                   |             |                             |      | <b>Cardinal CT - W ; Irving TX</b>   |           |                   |              |                             |      |
|                                        |          |                   |             |                             |      | 5245                                 | COMPOSITE | 1/8               | 3.0 TTG      |                             | U A  |
|                                        |          |                   |             |                             |      | 5246                                 | COMPOSITE | 5/32              | 4.0 TTG      |                             | U A  |
|                                        |          |                   |             |                             |      | 5247                                 | COMPOSITE | 3/16              | 5.0 TTG      |                             | U A  |
|                                        |          |                   |             |                             |      | 5248                                 | COMPOSITE | 1/4               | 6.0 TTG      |                             | U A  |
|                                        |          |                   |             |                             |      | 5249                                 | COMPOSITE | 1/8               | 3.0 TPG (s)  |                             | U A  |
|                                        |          |                   |             |                             |      | 5250                                 | COMPOSITE | 3/16              | 5.0 TPG (m)  |                             | U A  |

## Certified Products-Alphabetical By Plant

| SGCC#                                | TEST STD | INCHES (MM)       | TYPE        | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                 | TEST STD  | INCHES (MM)       | TYPE             | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|--------------------------------------|----------|-------------------|-------------|-----------------------------|------|---------------------------------------|-----------|-------------------|------------------|-----------------------------|------|
|                                      |          | (THICKNESS CLASS) |             |                             |      |                                       |           | (THICKNESS CLASS) |                  |                             |      |
| <b>Cardinal FG ; Durant, OK</b>      |          |                   |             |                             |      | <b>Cardinal IG ; Mountain Top, PA</b> |           |                   |                  |                             |      |
| 2909                                 | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 3068                                  | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  |
| 2910                                 | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 3069                                  | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  |
| 2911                                 | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 3070                                  | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  |
| 2912                                 | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 3071                                  | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| <b>Cardinal IG ; Buckeye, AZ</b>     |          |                   |             |                             |      | 3073                                  | COMP+CAN  | 1/8               | 3.0 TPG (m)      |                             | U A  |
| 6556                                 | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 3115                                  | COMP+CAN  | 5/32              | 4.0 TPG (s)      |                             | U A  |
| 6522                                 | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 3072                                  | COMP+CAN  | 3/16              | 5.0 TPG (m)      |                             | U A  |
| 6523                                 | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | <b>Cardinal IG ; Ocala, FL</b>        |           |                   |                  |                             |      |
| 6524                                 | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 3505                                  | COMPOSITE | 1/8               | 3.0 TTG          |                             | U A  |
| 6557                                 | COMP+CAN | 5/16              | 8.0 TTG     |                             | U A  | 3506                                  | COMPOSITE | 5/32              | 4.0 TTG          |                             | U A  |
| 6558                                 | COMP+CAN | 1/8               | 3.0 TPG (m) |                             | U A  | 3507                                  | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  |
| 6525                                 | COMP+CAN | 5/32              | 4.0 TPG (d) |                             | U A  | 3508                                  | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  |
| 6559                                 | COMP+CAN | 3/16              | 5.0 TPG (m) |                             | U A  | 4584                                  | COMPOSITE | 1/8               | 3.0 TPG (m)      |                             | U A  |
| <b>Cardinal IG ; Casa Grande, AZ</b> |          |                   |             |                             |      | 4587                                  | COMPOSITE | 1/4               | 6.0 TPG (s)      |                             | U A  |
| 2878                                 | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 3509                                  | COMPOSITE | (S)               | 6 LTG (b)(A)     | (.030)                      | U A  |
| 2879                                 | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 6100                                  | COMP+CAN  | (S)               | 6 LTG (ip)(A)    | (.035)                      | U A  |
| 2880                                 | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 4362                                  | COMPOSITE | (H)               | 8-12 LTG (ip)(A) | (.035)                      | U A  |
| 2881                                 | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 3510                                  | COMPOSITE | (H)               | 8-12 LTG (b)(A)  | (.030)                      | U A  |
| 4103                                 | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | <b>Cardinal IG ; Spring Green, WI</b> |           |                   |                  |                             |      |
| 4104                                 | COMP+CAN | 5/32              | 4.0 TPG (d) |                             | U A  | 1831                                  | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  |
| 4105                                 | COMP+CAN | 3/16              | 5.0 TPG (m) |                             | U A  | 5910                                  | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  |
| <b>Cardinal IG ; Fargo, ND</b>       |          |                   |             |                             |      | 5911                                  | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  |
| 2235                                 | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 1834                                  | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| 2234                                 | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 1844                                  | COMP+CAN  | 1/8               | 3.0 TPG (s)      |                             | U A  |
| 2233                                 | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 1845                                  | COMP+CAN  | 5/32              | 4.0 TPG (m)      |                             | U A  |
| 2232                                 | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 5912                                  | COMP+CAN  | 3/16              | 5.0 TPG (s)      |                             | U A  |
| 2231                                 | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | <b>Cardinal IG ; Tomah, WI</b>        |           |                   |                  |                             |      |
| 2285                                 | COMP+CAN | 5/32              | 4.0 TPG (m) |                             | U A  | 2317                                  | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  |
| 2286                                 | COMP+CAN | 3/16              | 5.0 TPG (s) |                             | U A  | 2318                                  | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  |
| <b>Cardinal IG ; Fremont, IN</b>     |          |                   |             |                             |      | 2319                                  | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  |
| 2176                                 | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 2320                                  | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| 2177                                 | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 6069                                  | COMP+CAN  | 5/16              | 8.0 TTG          |                             | U A  |
| 2178                                 | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 2321                                  | COMP+CAN  | 1/8               | 3.0 TPG (m)      |                             | U A  |
| 2179                                 | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 2322                                  | COMP+CAN  | 5/32              | 4.0 TPG (d)      |                             | U A  |
| 2203                                 | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | 2323                                  | COMP+CAN  | 3/16              | 5.0 TPG (d)      |                             | U A  |
| 2204                                 | COMP+CAN | 5/32              | 4.0 TPG (d) |                             | U A  | <b>Cardinal IG ; Vinton, VA</b>       |           |                   |                  |                             |      |
| 2205                                 | COMP+CAN | 3/16              | 5.0 TPG (s) |                             | U A  | 2919                                  | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  |
| <b>Cardinal IG ; Greenfield, IA</b>  |          |                   |             |                             |      | 2920                                  | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  |
| 1827                                 | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 2921                                  | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  |
| 1828                                 | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 2922                                  | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| 1829                                 | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 2923                                  | COMP+CAN  | 1/8               | 3.0 TPG (s)      |                             | U A  |
| 1830                                 | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 2924                                  | COMP+CAN  | 5/32              | 4.0 TPG (d)      |                             | U A  |
| 5435                                 | COMP+CAN | 5/16              | 8.0 TTG     |                             | U A  | 3619                                  | COMP+CAN  | 3/16              | 5.0 TPG (s)      |                             | U A  |
| 1841                                 | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  | <b>Cardinal IG ; Waxahachie, TX</b>   |           |                   |                  |                             |      |
| 1842                                 | COMP+CAN | 5/32              | 4.0 TPG (d) |                             | U A  | 2328                                  | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  |
| 1843                                 | COMP+CAN | 3/16              | 5.0 TPG (s) |                             | U A  | 2329                                  | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  |
| <b>Cardinal IG ; Hood River, OR</b>  |          |                   |             |                             |      | 2330                                  | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  |
| 2831                                 | COMP+CAN | 1/8               | 3.0 TTG     |                             | U A  | 2331                                  | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| 2858                                 | COMP+CAN | 5/32              | 4.0 TTG     |                             | U A  | 2397                                  | COMP+CAN  | 1/8               | 3.0 TPG (m)      |                             | U A  |
| 2833                                 | COMP+CAN | 3/16              | 5.0 TTG     |                             | U A  | 4091                                  | COMP+CAN  | 5/32              | 4.0 TPG (d)      |                             | U A  |
| 2834                                 | COMP+CAN | 1/4               | 6.0 TTG     |                             | U A  | 2399                                  | COMP+CAN  | 3/16              | 5.0 TPG (m)      |                             | U A  |
| 2857                                 | COMP+CAN | 1/8               | 3.0 TPG (s) |                             | U A  |                                       |           |                   |                  |                             |      |
| 4836                                 | COMP+CAN | 5/32              | 4.0 TPG (d) |                             | U A  |                                       |           |                   |                  |                             |      |
| 2859                                 | COMP+CAN | 3/16              | 5.0 TPG (m) |                             | U A  |                                       |           |                   |                  |                             |      |

## 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>Cardinal LG ; Amery, WI</b>                                           |           |                   |                   |                    |            | <b>Changshu Xingfu Glass Building Material Co., LTD ; Changshu, Jiangsu, China</b> |           |                   |                   |                    |            |
| 5193                                                                     | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        | 4657                                                                               | COMP+CAN  | 1/8               | 3.0 TTG           |                    | U A        |
| 4841                                                                     | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        | 5151                                                                               | COMP+CAN  | 5/16              | 8.0 TTG           |                    | U A        |
| 4842                                                                     | COMP+CAN  | 5/16              | 8.0 TTG           |                    | U A        | 5152                                                                               | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        |
| 4843                                                                     | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        | <b>Changshu Zhongxin Bldg. Mat. Co. ; Changshu City, China</b>                     |           |                   |                   |                    |            |
| 4844                                                                     | COMP+CAN  | 1/2               | 12.0 TTG          |                    | U A        | 2432                                                                               | COMP+CAN  | 1/8               | 3.0 TTG           |                    | U A        |
| 2976                                                                     | COMP+CAN  | (S)               | 5-6 LTG (b)(A)    | (.030)             | U A        | 6191                                                                               | COMP+CAN  | 5/32              | 4.0 TTG           |                    | U A        |
| 4120                                                                     | COMP+CAN  | (S)               | 5 LTG (b)(A)      | (.015)(C1)         | U B        | 6475                                                                               | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        |
| 4350                                                                     | COMP+CAN  | (S)               | 5-6 LTG (ip)(A)   | (.035)             | U A        | 6499                                                                               | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        |
| 2462                                                                     | COMP+CAN  | (H)               | 8-12 LTG (b)(A)   | (.030)             | U A        | 6500                                                                               | COMP+CAN  | 5/16              | 8.0 TTG           |                    | U A        |
| 4351                                                                     | COMP+CAN  | (H)               | 8-12 LTG (ip)(A)  | (.035)             | U A        | 6501                                                                               | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        |
| <b>Cardinal LG Northeast ; Jessup, PA</b>                                |           |                   |                   |                    |            | 4363                                                                               | COMP+CAN  | (H)               | 8 LTG (b)(A)      | (.090)             | U A        |
| 5224                                                                     | COMP+CAN  | (S)               | 5-6 LTG (b)(A)    | (.030)             | U A        | <b>Changshu Zhouxing Glass Co. Ltd. ; Changshu, Jiangsu Province, China</b>        |           |                   |                   |                    |            |
| 6617                                                                     | COMP+CAN  | (S)               | 5-6 LTG (ip)(A)   | (.035)             | U A        | 4936                                                                               | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        |
| 6618                                                                     | COMP+CAN  | (H)               | 8-12 LTG (ip)(A)  | (.035)             | U A        | <b>Chicago Tempered Glass, Inc. ; Chicago, IL</b>                                  |           |                   |                   |                    |            |
| 5225                                                                     | COMP+CAN  | (H)               | 8-12 LTG (b)(A)   | (.030)             | U A        | 3086                                                                               | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        |
| <b>Cardinal Tempering ; Louisville, KY</b>                               |           |                   |                   |                    |            | 3087                                                                               | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        |
| 3871                                                                     | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        | 3088                                                                               | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| 3872                                                                     | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 3089                                                                               | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        |
| 3873                                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 3090                                                                               | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        |
| 3874                                                                     | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | <b>Classy Glass Specialties Co., Ltd ; Dongguan, Guangdong</b>                     |           |                   |                   |                    |            |
| 3875                                                                     | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 5159                                                                               | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| <b>Cardinal TG ; Chehalis, WA</b>                                        |           |                   |                   |                    |            | 5160                                                                               | COMPOSITE | 5/16              | 8.0 TTG           |                    | U A        |
| 3455                                                                     | COMP+CAN  | 1/8               | 3.0 TTG           |                    | U A        | 5161                                                                               | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        |
| 3456                                                                     | COMP+CAN  | 5/32              | 4.0 TTG           |                    | U A        | 5162                                                                               | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        |
| 3458                                                                     | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        | 5163                                                                               | COMPOSITE | *                 | 15.0 TTG (4)      |                    | U A        |
| 3459                                                                     | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        | 5164                                                                               | COMPOSITE | 3/4               | 19.0 TTG          |                    | U A        |
| <b>Cardinal TG ; Tomah, WI</b>                                           |           |                   |                   |                    |            | 5169                                                                               | COMPOSITE | (H)               | 12 LTG (b)(A)     | (.030)             | U A        |
| 1804                                                                     | COMP+CAN  | 1/8               | 3.0 TTG           |                    | U A        | 5170                                                                               | COMPOSITE | (H)               | 25+ LTG (b)(A)    | (.060)             | U A        |
| 1805                                                                     | COMP+CAN  | 5/32              | 4.0 TTG           |                    | U A        | <b>ClearEdge Glass ; Baton Rouge, LA</b>                                           |           |                   |                   |                    |            |
| 1806                                                                     | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        | 5308                                                                               | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        |
| 1807                                                                     | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        | 5310                                                                               | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        |
| 4881                                                                     | COMP+CAN  | 5/16              | 8.0 TTG (IN)      |                    | U A        | 5311                                                                               | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| <b>Carey Glass International ; Nenagh, Co. Tipperary</b>                 |           |                   |                   |                    |            | <b>Cleer Vision Tempered Glass ; Elkhart, IN</b>                                   |           |                   |                   |                    |            |
| 5998                                                                     | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        | 4546                                                                               | COMP+CAN  | 1/8               | 3.0 TTG           |                    | U A        |
| 5999                                                                     | COMP+CAN  | 5/16              | 8.0 TTG           |                    | U A        | 4547                                                                               | COMP+CAN  | 5/32              | 4.0 TTG           |                    | U A        |
| 6000                                                                     | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        | <b>Clinton Glass Company ; Knoxville, TN</b>                                       |           |                   |                   |                    |            |
| 6001                                                                     | COMP+CAN  | (H)               | 12-16+ LTG (b)(A) | (.060)             | U A        | 5606                                                                               | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| <b>Cat-I Manufacturing, Inc. ; South Elgin, IL</b>                       |           |                   |                   |                    |            | 5607                                                                               | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        |
| 5755                                                                     | COMP+CAN  | 5/32              | 4.0 TTG           | 24x3 A             |            | 5608                                                                               | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        |
| <b>Changshu Hard Glass Co., Ltd. ; Changshu, Jiangsu, China</b>          |           |                   |                   |                    |            | <b>Colorkote CT, LLC ; Stratford, CT</b>                                           |           |                   |                   |                    |            |
| 2904                                                                     | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 5265                                                                               | COMP+CAN  | (H)               | 8-16+ LTG (ev)(A) | (.030)             | U A        |
| 2987                                                                     | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        | <b>Columbia Commercial Bldg Prod. ; Rockwall, TX</b>                               |           |                   |                   |                    |            |
| 2988                                                                     | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 4921                                                                               | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        |
| <b>Changshu Weier Glass Products Co. Ltd. ; Changshu, Jiangsu, China</b> |           |                   |                   |                    |            | 5615                                                                               | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        |
| 5351                                                                     | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 5616                                                                               | COMP+CAN  | 1/2               | 12.0 TTG          |                    | U A        |
| 5352                                                                     | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        | <b>Comercial Dialum S.A. ; Santiago, Chile</b>                                     |           |                   |                   |                    |            |
| 5353                                                                     | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 5938                                                                               | COMPOSITE | (H)               | 12 LTG (ip)(A)    | (.035)             | U A        |
| 5354                                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |                                                                                    |           |                   |                   |                    |            |

**Certified Products-Alphabetical By Plant**

| SGCC#                                                        | TEST STD  | INCHES (MM)       | TYPE             | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                                    | TEST STD  | INCHES (MM)       | TYPE               | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|--------------------------------------------------------------|-----------|-------------------|------------------|-----------------------------|------|--------------------------------------------------------------------------|-----------|-------------------|--------------------|-----------------------------|------|
|                                                              |           | (THICKNESS CLASS) |                  |                             |      |                                                                          |           | (THICKNESS CLASS) |                    |                             |      |
| <b>Commercial Insulating Glass Co. ; Cumberland City, TN</b> |           |                   |                  |                             |      | <b>Coral Industries Glass Division ; Tuscaloosa, AL</b>                  |           |                   |                    |                             |      |
| 3806                                                         | COMPOSITE | 1/8               | 3.0 TTG          |                             | U A  | 3420                                                                     | COMPOSITE | 1/8               | 3.0 TTG            |                             | U A  |
| 3807                                                         | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  | 1910                                                                     | COMPOSITE | 3/16              | 5.0 TTG            |                             | U A  |
| 3808                                                         | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  | 1911                                                                     | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  |
| <b>Commercial Insulating Glass Co. ; Sarasota, FL</b>        |           |                   |                  |                             |      | 2144                                                                     | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  |
| 1889                                                         | COMPOSITE | 1/8               | 3.0 TTG          | 30x7 A                      |      | 2145                                                                     | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  |
| 1890                                                         | COMPOSITE | 3/16              | 5.0 TTG          | 30x7 A                      |      | 2644                                                                     | COMPOSITE | 3/4               | 19.0 TTG           |                             | U A  |
| 1891                                                         | COMPOSITE | 1/4               | 6.0 TTG          | 30x7 A                      |      | 1964                                                                     | COMPOSITE | 3/16              | 5.0 TPG (d)        |                             | U A  |
| <b>Consolidated Armor Products, LLC ; Addison, TX</b>        |           |                   |                  |                             |      | 2944                                                                     | COMPOSITE | 1/4               | 6.0 TPG (d)        |                             | U A  |
| 5418                                                         | COMP+CAN  | (S)               | 6 LTG (b)(A)     | (.030)                      | U A  | 2945                                                                     | COMPOSITE | 3/8               | 10.0 TPG (d)       |                             | U A  |
| 5419                                                         | COMP+CAN  | (H)               | 8-16+ LTG (b)(A) | (.030)                      | U A  | <b>Cristec Vipla SL ; Balaguer, Lleida</b>                               |           |                   |                    |                             |      |
| <b>Consolidated Glass Corp. ; New Castle, PA</b>             |           |                   |                  |                             |      | 5695                                                                     | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  |
| 1998                                                         | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  | 5696                                                                     | COMPOSITE | 5/16              | 8.0 TTG            |                             | U A  |
| 1999                                                         | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  | 5697                                                                     | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  |
| 2005                                                         | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  | 5698                                                                     | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  |
| 2002                                                         | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  | 5699                                                                     | COMPOSITE | (H)               | 12-16+ LTG (b)(A)  | (.015)                      | U A  |
| 3635                                                         | COMP+CAN  | 5/16              | 8.0 TTG          |                             | U A  | 5878                                                                     | COMPOSITE | (H)               | 12-16+ LTG (ip)(A) | (.035)                      | U A  |
| 2003                                                         | COMP+CAN  | 3/8               | 10.0 TTG         |                             | U A  | <b>Crystal Tempering, Inc. ; Debary, Florida</b>                         |           |                   |                    |                             |      |
| 2004                                                         | COMP+CAN  | 1/2               | 12.0 TTG         |                             | U A  | 6209                                                                     | COMPOSITE | 3/16              | 5.0 TTG            |                             | U A  |
| 2355                                                         | COMP+CAN  | 5/32              | 4.0 TPG (m)      |                             | U A  | 6210                                                                     | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  |
| 2354                                                         | COMP+CAN  | 3/16              | 5.0 TPG (m)      |                             | U A  | 6211                                                                     | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  |
| 4714                                                         | COMP+CAN  | 1/4               | 6.0 TPG (m)      |                             | U A  | 6212                                                                     | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  |
| 4785                                                         | COMP+CAN  | 3/8               | 10.0 TPG (s)     |                             | U A  | 6213                                                                     | COMPOSITE | 1/8               | 3.0 TPG (s)        |                             | U A  |
| <b>Contour Industries, Inc. ; Surgoinsville, TN</b>          |           |                   |                  |                             |      | 6214                                                                     | COMPOSITE | 3/16              | 5.0 TPG (m)        |                             | U A  |
| 1680                                                         | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  | 6215                                                                     | COMPOSITE | 1/4               | 6.0 TPG (s)        |                             | U A  |
| 4285                                                         | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  | 6216                                                                     | COMPOSITE | 3/8               | 10.0 TPG (s)       |                             | U A  |
| 1678                                                         | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  | <b>Custom Glass Products Inc. ; Weston, WI</b>                           |           |                   |                    |                             |      |
| 1677                                                         | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  | 4002                                                                     | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  |
| 4701                                                         | COMP+CAN  | 5/16              | 8.0 TTG          |                             | U A  | 6671                                                                     | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  |
| 4702                                                         | COMP+CAN  | 3/8               | 10.0 TTG         |                             | U A  | <b>Custom Glass Solutions Millbury Corp. ; Millbury, OH</b>              |           |                   |                    |                             |      |
| 4703                                                         | COMP+CAN  | 1/8               | 3.0 TPG (s)      |                             | U A  | 6353                                                                     | COMPOSITE | 1/8               | 3.0 TTG            |                             | U A  |
| 4704                                                         | COMP+CAN  | 5/32              | 4.0 TPG (IN)(s)  |                             | U A  | 1575                                                                     | COMPOSITE | 5/32              | 4.0 TTG            |                             | U A  |
| 4705                                                         | COMP+CAN  | 3/16              | 5.0 TPG (s)      |                             | U A  | 1576                                                                     | COMPOSITE | 3/16              | 5.0 TTG            |                             | U A  |
| <b>Contract Glass ; Billerica, MA</b>                        |           |                   |                  |                             |      | 1577                                                                     | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  |
| 4970                                                         | COMPOSITE | 1/8               | 3.0 TTG          |                             | U A  | 6354                                                                     | COMPOSITE | 5/16              | 8.0 TTG            |                             | U A  |
| 4971                                                         | COMPOSITE | 5/32              | 4.0 TTG          |                             | U A  | 6355                                                                     | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  |
| 4972                                                         | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  | <b>Custom Industries, Inc. ; Anaheim, CA</b>                             |           |                   |                    |                             |      |
| 4973                                                         | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  | 6230                                                                     | COMP+CAN  | 1/8               | 3.0 TTG            |                             | U A  |
| 4974                                                         | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  | 6231                                                                     | COMP+CAN  | 5/16              | 8.0 TTG            |                             | U A  |
| 4975                                                         | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  | <b>D3 Glass, LLC ; Fort Myers, FL</b>                                    |           |                   |                    |                             |      |
| <b>Contractors Wardrobe ; Valencia, CA</b>                   |           |                   |                  |                             |      | 4795                                                                     | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  |
| 3464                                                         | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  | 4792                                                                     | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  |
| 3465                                                         | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  | 4793                                                                     | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  |
| 3466                                                         | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  | 6512                                                                     | COMPOSITE | 3/8               | 10.0 TPG (s)       |                             | U A  |
| 3467                                                         | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  | <b>Dalian Dongsong Tempered Glass Products Co., Ltd. ; Dalian, China</b> |           |                   |                    |                             |      |
| 3468                                                         | COMP+CAN  | 5/16              | 8.0 TTG          |                             | U A  | 6459                                                                     | COMPOSITE | 3/16              | 5.0 TTG            |                             | U A  |
| 3469                                                         | COMP+CAN  | 3/8               | 10.0 TTG         |                             | U A  | <b>Dalian Huaying Glass Limited Liability Co. ; Liaoning, China</b>      |           |                   |                    |                             |      |
| 3470                                                         | COMP+CAN  | 1/2               | 12.0 TTG         |                             | U A  | 5260                                                                     | COMP+CAN  | 1/8               | 3.0 TTG            |                             | U A  |
| 3472                                                         | COMP+CAN  | 3/4               | 19.0 TTG         |                             | U A  | 5261                                                                     | COMP+CAN  | 3/16              | 5.0 TTG            |                             | U A  |
| 3473                                                         | COMP+CAN  | 1/8               | 3.0 TPG (s)      |                             | U A  |                                                                          |           |                   |                    |                             |      |
| 3474                                                         | COMP+CAN  | 5/32              | 4.0 TPG (d)      |                             | U A  |                                                                          |           |                   |                    |                             |      |
| 3475                                                         | COMP+CAN  | 3/16              | 5.0 TPG (m)      |                             | U A  |                                                                          |           |                   |                    |                             |      |
| 3476                                                         | COMP+CAN  | 1/4               | 6.0 TPG (m)      |                             | U A  |                                                                          |           |                   |                    |                             |      |
| 3477                                                         | COMP+CAN  | 3/8               | 10.0 TPG (s)     |                             | U A  |                                                                          |           |                   |                    |                             |      |

## 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>Dallas Flat Glass ; Carrollton, TX</b>                                 |           |                   |               |                    |            | <b>Dongguan CSG Architectural Glass Co., Ltd. ; Dongguan, Guangdong, China</b> |           |                   |                    |                    |            |
| 4790                                                                      | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        | 3932                                                                           | COMP+CAN  | 5/32              | 4.0 TTG            |                    | U A        |
| 4763                                                                      | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        | 3933                                                                           | COMP+CAN  | 3/16              | 5.0 TTG            |                    | U A        |
| 3701                                                                      | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        | 3934                                                                           | COMP+CAN  | 1/4               | 6.0 TTG            |                    | U A        |
| 4566                                                                      | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        | 3935                                                                           | COMP+CAN  | 5/16              | 8.0 TTG            |                    | U A        |
| 4567                                                                      | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        | 3936                                                                           | COMP+CAN  | 3/8               | 10.0 TTG           |                    | U A        |
| <b>DDG Glass Manufacturing SDN BHD ; Johor, Malaysia</b>                  |           |                   |               |                    |            | 3937                                                                           | COMP+CAN  | 1/2               | 12.0 TTG           |                    | U A        |
| 5621                                                                      | COMP+CAN  | 5/32              | 4.0 TTG       |                    | U A        | 3938                                                                           | COMP+CAN  | *                 | 15.0 TTG (3)       |                    | U A        |
| 5622                                                                      | COMP+CAN  | 3/16              | 5.0 TTG       |                    | U A        | 3939                                                                           | COMP+CAN  | 3/4               | 19.0 TTG           |                    | U A        |
| 5623                                                                      | COMP+CAN  | 1/4               | 6.0 TTG       |                    | U A        | 4167                                                                           | COMP+CAN  | (H)               | 8-12 LTG (b)(A)    | (.030)             | U A        |
| 5624                                                                      | COMP+CAN  | 5/16              | 8.0 TTG       |                    | U A        | <b>Dongguan Dongfa Glass Product Co., Ltd ; Dongguan, Guangdong, China</b>     |           |                   |                    |                    |            |
| 5625                                                                      | COMP+CAN  | 3/8               | 10.0 TTG      |                    | U A        | 4132                                                                           | COMP+CAN  | 5/16              | 8.0 TTG            |                    | U A        |
| 5626                                                                      | COMP+CAN  | 1/2               | 12.0 TTG      |                    | U A        | 4125                                                                           | COMP+CAN  | 3/8               | 10.0 TTG           |                    | U A        |
| 5627                                                                      | COMP+CAN  | *                 | 15.0 TTG (3)  |                    | U A        | 4126                                                                           | COMP+CAN  | 1/2               | 12.0 TTG           |                    | U A        |
| 5628                                                                      | COMP+CAN  | *                 | 19.0 TTG (3)  |                    | U A        | 4123                                                                           | COMP+CAN  | (H)               | 8-12 LTG (b)(A)    | (.030)             | U A        |
| <b>Denver Glass Interiors, Inc. ; Englewood, CO</b>                       |           |                   |               |                    |            | 4124                                                                           | COMP+CAN  | (H)               | 16+ LTG (b)(A)     | (.030)             | U A        |
| 3865                                                                      | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        | <b>Dongguan Trillion Aluminum Glass Co., Ltd ; Dongguan, Guangdong, China</b>  |           |                   |                    |                    |            |
| 3866                                                                      | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        | 5861                                                                           | COMPOSITE | 5/32              | 4.0 TTG            |                    | U A        |
| 3867                                                                      | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        | 5862                                                                           | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        |
| 3868                                                                      | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        | 5863                                                                           | COMPOSITE | 5/32              | 4.0 TPG (s)        |                    | U A        |
| 4507                                                                      | COMPOSITE | 1/4               | 6.0 TPG (m)   |                    | U A        | 5864                                                                           | COMPOSITE | 1/4               | 6.0 TPG (s)        |                    | U A        |
| 4508                                                                      | COMPOSITE | 3/8               | 10.0 TPG (s)  |                    | U A        | <b>Downey Glass Industries, LLC ; Pompano Beach, FL</b>                        |           |                   |                    |                    |            |
| <b>Deqing Sanxing Plastic Chemical Co. Ltd. ; Huzhou, Zhejiang, China</b> |           |                   |               |                    |            | 2661                                                                           | COMPOSITE | 3/16              | 5.0 TTG            |                    | U A        |
| 4055                                                                      | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        | 2662                                                                           | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        |
| 4056                                                                      | COMPOSITE | 5/32              | 4.0 TTG       |                    | U A        | 5554                                                                           | COMPOSITE | 5/16              | 8.0 TTG            |                    | U A        |
| 4057                                                                      | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        | 2663                                                                           | COMPOSITE | 3/8               | 10.0 TTG           |                    | U A        |
| 4146                                                                      | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        | 2664                                                                           | COMPOSITE | 1/2               | 12.0 TTG           |                    | U A        |
| 4147                                                                      | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        | 2665                                                                           | COMPOSITE | 3/4               | 19.0 TTG           |                    | U A        |
| <b>Diamond Sea Glaze ; Langley, BC Canada</b>                             |           |                   |               |                    |            | 3487                                                                           | COMPOSITE | 3/16              | 5.0 TPG (s)        |                    | U A        |
| 4499                                                                      | COMPOSITE | 5/32              | 4.0 TTG       |                    | U A        | 4626                                                                           | COMPOSITE | 3/8               | 10.0 TPG (s)       |                    | U A        |
| 4500                                                                      | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        | 5121                                                                           | COMPOSITE | (S)               | 6 LTG (ip)(A)      | (.035)             | U A        |
| 4501                                                                      | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        | 5122                                                                           | COMPOSITE | (H)               | 10-16+ LTG (ip)(A) | (.035)             | U A        |
| 4502                                                                      | COMPOSITE | 5/16              | 8.0 TTG       |                    | U A        | <b>Echols Glass and Mirror, Inc. ; Buford, GA</b>                              |           |                   |                    |                    |            |
| 4503                                                                      | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        | 6314                                                                           | COMPOSITE | 3/16              | 5.0 TTG            |                    | U A        |
| 4504                                                                      | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        | 6315                                                                           | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        |
| 4505                                                                      | COMPOSITE | *                 | 15.0 TTG (3)  |                    | U A        | 6316                                                                           | COMPOSITE | 3/8               | 10.0 TTG           |                    | U A        |
| 4506                                                                      | COMPOSITE | 3/4               | 19.0 TTG      |                    | U A        | 6317                                                                           | COMPOSITE | 1/2               | 12.0 TTG           |                    | U A        |
| <b>Dillmeier Enterprise, Inc. ; Van Buren, AR</b>                         |           |                   |               |                    |            | 6318                                                                           | COMPOSITE | 3/16              | 5.0 TPG (m)        |                    | U A        |
| 4838                                                                      | COMPOSITE | 1/8               | 3.0 TTG       |                    | U A        | 6319                                                                           | COMPOSITE | 3/8               | 10.0 TPG (s)       |                    | U A        |
| 3912                                                                      | COMPOSITE | 3/16              | 5.0 TTG       |                    | U A        | <b>Eckelt Glas GmbH ; Steyr, Austria</b>                                       |           |                   |                    |                    |            |
| 3913                                                                      | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        | 2850                                                                           | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        |
| 4839                                                                      | COMPOSITE | 5/16              | 8.0 TTG       |                    | U A        | 2851                                                                           | COMPOSITE | 5/16              | 8.0 TTG            |                    | U A        |
| 3914                                                                      | COMPOSITE | 3/8               | 10.0 TTG      |                    | U A        | 2852                                                                           | COMPOSITE | 3/8               | 10.0 TTG           |                    | U A        |
| 3915                                                                      | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        | 2853                                                                           | COMPOSITE | *                 | 12.0 TTG (3)       |                    | U A        |
| 3916                                                                      | COMPOSITE | 5/8               | 16.0 TTG      |                    | U A        | 2854                                                                           | COMPOSITE | *                 | 15.0 TTG (3)       |                    | U A        |
| 3917                                                                      | COMPOSITE | 3/4               | 19.0 TTG      |                    | U A        | 2855                                                                           | COMPOSITE | 3/4               | 19.0 TTG           |                    | U A        |
| <b>Dlubak Corporation ; Blairsville, PA</b>                               |           |                   |               |                    |            | <b>Edge Tempering ; Hialeah, FL</b>                                            |           |                   |                    |                    |            |
| 3017                                                                      | COMPOSITE | 1/4               | 6.0 TTG       |                    | U A        | 6297                                                                           | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        |
| 3018                                                                      | COMPOSITE | 1/2               | 12.0 TTG      |                    | U A        | 6298                                                                           | COMPOSITE | 3/8               | 10.0 TTG           |                    | U A        |
| 3019                                                                      | COMPOSITE | 3/4               | 19.0 TTG      |                    | U A        | 6299                                                                           | COMPOSITE | 1/2               | 12.0 TTG           |                    | U A        |
| 5965                                                                      | COMPOSITE | 1/4               | 6.0 TBG       |                    | U A        |                                                                                |           |                   |                    |                    |            |
| 6234                                                                      | COMPOSITE | (H)               | 12 LTG (b)(A) | (.060)             | U A        |                                                                                |           |                   |                    |                    |            |
| <b>Dolphin Glass Specialists, LLC ; Hialeah, FL</b>                       |           |                   |               |                    |            |                                                                                |           |                   |                    |                    |            |
| 4729                                                                      | COMPOSITE | (H)               | 12 LTG (b)(A) | (.030)             | U A        |                                                                                |           |                   |                    |                    |            |

## Certified Products-Alphabetical By Plant

|                                                                       |           |                   |      | MAX SIZE          |        | ANSI      |       |                                                                            |           | MAX SIZE          |      | ANSI              |                 |
|-----------------------------------------------------------------------|-----------|-------------------|------|-------------------|--------|-----------|-------|----------------------------------------------------------------------------|-----------|-------------------|------|-------------------|-----------------|
| SGCC#                                                                 | TEST STD  | INCHES            | (MM) | TYPE              |        | CERTIFIED | CLASS | SGCC#                                                                      | TEST STD  | INCHES            | (MM) | TYPE              | CERTIFIED CLASS |
|                                                                       |           | (THICKNESS CLASS) |      |                   |        |           |       |                                                                            |           | (THICKNESS CLASS) |      |                   |                 |
| EFCO Corporation ; Monett, MO                                         |           |                   |      |                   |        |           |       | Foshan Nanhai Gangsheng Tempered Glass Factory ; Foshan, Guangdong, China  |           |                   |      |                   |                 |
| 4121                                                                  | COMPOSITE | 1/8               |      | 3.0 TTG           |        |           | U A   | 4673                                                                       | COMP+CAN  | 5/32              |      | 4.0 TTG (IN)      | U A             |
| 1901                                                                  | COMPOSITE | 3/16              |      | 5.0 TTG           |        |           | U A   | 4669                                                                       | COMP+CAN  | 3/16              |      | 5.0 TTG (IN)      | U A             |
| 1902                                                                  | COMPOSITE | 1/4               |      | 6.0 TTG           |        |           | U A   | 4670                                                                       | COMP+CAN  | 1/4               |      | 6.0 TTG (IN)      | U A             |
| 4154                                                                  | COMPOSITE | 5/16              |      | 8.0 TTG           |        |           | U A   | 4671                                                                       | COMP+CAN  | 5/16              |      | 8.0 TTG (IN)      | U A             |
| 2143                                                                  | COMPOSITE | 3/16              |      | 5.0 TPG (s)       |        |           | U A   | 4672                                                                       | COMP+CAN  | 3/8               |      | 10.0 TTG (IN)     | U A             |
| EFI ; Kernersville, NC                                                |           |                   |      |                   |        |           |       | 5549                                                                       | COMP+CAN  | 1/2               |      | 12.0 TTG (IN)     | U A             |
| 5014                                                                  | COMP+CAN  | 5/32              |      | 4.0 TTG           |        |           | U A   | 5550                                                                       | COMP+CAN  | 1/4               |      | 6.0 TBG (IN)      | U A             |
| 5208                                                                  | COMP+CAN  | 3/16              |      | 5.0 TTG           |        |           | U A   | 5551                                                                       | COMP+CAN  | 5/16              |      | 8.0 TBG (IN)      | U A             |
| 5026                                                                  | COMP+CAN  | 1/4               |      | 6.0 TTG           |        |           | U A   | 5552                                                                       | COMP+CAN  | 3/8               |      | 10.0 TBG (IN)     | U A             |
| 5210                                                                  | COMP+CAN  | 3/8               |      | 10.0 TTG          |        |           | U A   | Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd. ; Foshan, Guangdong, China |           |                   |      |                   |                 |
| 5211                                                                  | COMP+CAN  | 1/2               |      | 12.0 TTG          |        |           | U A   | 5388                                                                       | COMPOSITE | 3/16              |      | 5.0 TTG           | U A             |
| Engineered Glass Products, L.L.C. ; Chicago, IL                       |           |                   |      |                   |        |           |       | 5389                                                                       | COMPOSITE | 1/4               |      | 6.0 TTG           | U A             |
| 4388                                                                  | COMPOSITE | 1/8               |      | 3.0 TTG           |        | 30x7 A    |       | 5390                                                                       | COMPOSITE | 5/16              |      | 8.0 TTG           | U A             |
| 2589                                                                  | COMPOSITE | 5/32              |      | 4.0 TTG           |        | 30x7 A    |       | 5391                                                                       | COMPOSITE | 3/8               |      | 10.0 TTG          | U A             |
| Fairis C.A. ; Ambato, Tungurahua, Ecuador                             |           |                   |      |                   |        |           |       | 5392                                                                       | COMPOSITE | 1/2               |      | 12.0 TTG          | U A             |
| 4425                                                                  | COMPOSITE | 5/32              |      | 4.0 TTG           |        |           | U A   | Fujian Guangyao Glass Co., LTD. ; Zhangzhou City, China                    |           |                   |      |                   |                 |
| 4426                                                                  | COMPOSITE | 3/16              |      | 5.0 TTG           |        |           | U A   | 6237                                                                       | COMP+CAN  | 5/32              |      | 4.0 TTG           | U A             |
| 4427                                                                  | COMPOSITE | 1/4               |      | 6.0 TTG           |        |           | U A   | 6238                                                                       | COMP+CAN  | 3/16              |      | 5.0 TTG           | U A             |
| 4428                                                                  | COMPOSITE | 5/16              |      | 8.0 TTG           |        |           | U A   | 6239                                                                       | COMP+CAN  | 1/4               |      | 6.0 TTG           | U A             |
| 4429                                                                  | COMPOSITE | 3/8               |      | 10.0 TTG          |        |           | U A   | 6240                                                                       | COMP+CAN  | 5/16              |      | 8.0 TTG           | U A             |
| 4722                                                                  | COMPOSITE | (S)               |      | 6 LTG (b)(A)      | (.030) |           | U A   | 6241                                                                       | COMP+CAN  | 3/8               |      | 10.0 TTG          | U A             |
| 4430                                                                  | COMPOSITE | (H)               |      | 10-12 LTG (b)(A)  | (.030) |           | U A   | 6242                                                                       | COMP+CAN  | 1/2               |      | 12.0 TTG          | U A             |
| FastTemp NYC LLC ; Brooklyn, NY                                       |           |                   |      |                   |        |           |       | Fujian Xihe Sanitary Ware Technology Co., Ltd ; Nan'an Fujian China        |           |                   |      |                   |                 |
| 6630                                                                  | COMPOSITE | 1/4               |      | 6.0 TTG           |        |           | U A   | 5216                                                                       | COMPOSITE | 5/32              |      | 4.0 TTG           | U A             |
| 6631                                                                  | COMPOSITE | 3/8               |      | 10.0 TTG          |        |           | U A   | 5090                                                                       | COMPOSITE | 3/16              |      | 5.0 TTG           | U A             |
| 6632                                                                  | COMPOSITE | 1/2               |      | 12.0 TTG          |        |           | U A   | 5091                                                                       | COMPOSITE | 1/4               |      | 6.0 TTG           | U A             |
| Flat Glass Distributors ; Jacksonville, FL                            |           |                   |      |                   |        |           |       | 5092                                                                       | COMPOSITE | 5/16              |      | 8.0 TTG           | U A             |
| 3822                                                                  | COMPOSITE | 1/8               |      | 3.0 TTG           |        |           | U A   | 5217                                                                       | COMPOSITE | 5/32              |      | 4.0 TPG (s)       | U A             |
| 3823                                                                  | COMPOSITE | 3/16              |      | 5.0 TTG           |        |           | U A   | 5218                                                                       | COMPOSITE | 1/4               |      | 6.0 TPG (s)       | U A             |
| 3824                                                                  | COMPOSITE | 1/4               |      | 6.0 TTG           |        |           | U A   | Galaxy Glass & Stone ; Fairfield, NJ                                       |           |                   |      |                   |                 |
| 3825                                                                  | COMPOSITE | 3/8               |      | 10.0 TTG          |        |           | U A   | 5752                                                                       | COMP+CAN  | (H)               |      | 8-16+ LTG (ev)(A) | (.060) U A      |
| 3826                                                                  | COMPOSITE | 1/2               |      | 12.0 TTG          |        |           | U A   | 3661                                                                       | COMP+CAN  | (H)               |      | 8-16+ LTG (lu)(A) | (.060) U A      |
| 3828                                                                  | COMPOSITE | 1/8               |      | 3.0 TPG (m)       |        |           | U A   | Garibaldi Glass Ind. Inc. ; Burnaby, BC                                    |           |                   |      |                   |                 |
| 3830                                                                  | COMPOSITE | 3/16              |      | 5.0 TPG (m)       |        |           | U A   | 5124                                                                       | COMP+CAN  | 3/16              |      | 5.0 TTG           | U A             |
| 3831                                                                  | COMPOSITE | 1/4               |      | 6.0 TPG (s)       |        |           | U A   | 4419                                                                       | COMP+CAN  | 1/4               |      | 6.0 TTG           | U A             |
| 4638                                                                  | COMPOSITE | 3/8               |      | 10.0 TPG (s)      |        |           | U A   | 5219                                                                       | COMP+CAN  | 5/16              |      | 8.0 TTG           | U A             |
| Flat Glass Group Co., Ltd. ; Jiaxing, Zhejiang                        |           |                   |      |                   |        |           |       | 4420                                                                       | COMP+CAN  | 3/8               |      | 10.0 TTG          | U A             |
| 5521                                                                  | COMPOSITE | 3/16              |      | 5.0 TTG           |        |           | U A   | 4421                                                                       | COMP+CAN  | 1/2               |      | 12.0 TTG          | U A             |
| 5522                                                                  | COMPOSITE | 1/4               |      | 6.0 TTG           |        |           | U A   | 5125                                                                       | COMP+CAN  | *                 |      | 15.0 TTG (3)      | U A             |
| 5523                                                                  | COMPOSITE | 5/16              |      | 8.0 TTG           |        |           | U A   | 4422                                                                       | COMP+CAN  | 3/4               |      | 19.0 TTG          | U A             |
| 5524                                                                  | COMPOSITE | 3/8               |      | 10.0 TTG          |        |           | U A   | General Glass ; Vanvouver, WA                                              |           |                   |      |                   |                 |
| 5525                                                                  | COMPOSITE | 1/2               |      | 12.0 TTG          |        |           | U A   | 4031                                                                       | COMPOSITE | 1/8               |      | 3.0 TTG           | U A             |
| 5526                                                                  | COMPOSITE | (H)               |      | 10-16+ LTG (b)(A) | (.030) |           | U A   | 4032                                                                       | COMPOSITE | 5/32              |      | 4.0 TTG           | U A             |
| Foshan Gaoming Yaqi Toughened Glass ; Foshan City, Guangdong Province |           |                   |      |                   |        |           |       | 4033                                                                       | COMPOSITE | 3/16              |      | 5.0 TTG           | U A             |
| 6119                                                                  | COMPOSITE | 1/4               |      | 6.0 TTG           |        |           | U A   | 4034                                                                       | COMPOSITE | 1/4               |      | 6.0 TTG           | U A             |
| 6120                                                                  | COMPOSITE | 5/16              |      | 8.0 TTG           |        |           | U A   | 5751                                                                       | COMPOSITE | 1/2               |      | 12.0 TTG          | U A             |
| 6121                                                                  | COMPOSITE | 3/8               |      | 10.0 TTG          |        |           | U A   | 5750                                                                       | COMPOSITE | 1/8               |      | 3.0 TPG (s)       | U A             |
| 6122                                                                  | COMPOSITE | 1/2               |      | 12.0 TTG          |        |           | U A   | 5748                                                                       | COMPOSITE | 3/16              |      | 5.0 TPG (s)       | U A             |
| 6123                                                                  | COMPOSITE | 1/4               |      | 6.0 TBG           |        |           | U A   |                                                                            |           |                   |      |                   |                 |
| 6124                                                                  | COMPOSITE | 5/16              |      | 8.0 TBG           |        |           | U A   |                                                                            |           |                   |      |                   |                 |

## Certified Products-Alphabetical By Plant

| SGCC#                                                           | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) TYPE          | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                            | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) TYPE      | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|-----------------------------------------------------------------|-----------|--------------------------------|--------------------|-----------------------------|------|------------------------------------------------------------------|-----------|--------------------------------|----------------|-----------------------------|------|
| <b>GGI Glass Distributors Corp. ; Secaucus, NJ</b>              |           |                                |                    |                             |      | <b>GlassFab Tempering Services, Inc. Mariani Ct. ; Tracy, CA</b> |           |                                |                |                             |      |
| 2928                                                            | COMPOSITE | 5/32                           | 4.0 TTG (IN)       |                             | U A  | 5584                                                             | COMPOSITE | 1/8                            | 3.0 TTG        |                             | U A  |
| 2226                                                            | COMPOSITE | 3/16                           | 5.0 TTG            |                             | U A  | 4889                                                             | COMPOSITE | 3/16                           | 5.0 TTG        |                             | U A  |
| 2227                                                            | COMPOSITE | 1/4                            | 6.0 TTG            |                             | U A  | 4891                                                             | COMPOSITE | 1/4                            | 6.0 TTG        |                             | U A  |
| 4248                                                            | COMPOSITE | 5/16                           | 8.0 TTG            |                             | U A  | 4892                                                             | COMPOSITE | 3/8                            | 10.0 TTG       |                             | U A  |
| 2282                                                            | COMPOSITE | 3/8                            | 10.0 TTG           |                             | U A  | 4890                                                             | COMPOSITE | 1/2                            | 12.0 TTG       |                             | U A  |
| 2228                                                            | COMPOSITE | 1/2                            | 12.0 TTG           |                             | U A  | 4893                                                             | COMPOSITE | 3/4                            | 19.0 TTG       |                             | U A  |
| 3857                                                            | COMPOSITE | 5/8                            | 16.0 TTG           |                             | U A  | 4894                                                             | COMPOSITE | 1/8                            | 3.0 TPG (s)    |                             | U A  |
| 3858                                                            | COMPOSITE | 3/4                            | 19.0 TTG           |                             | U A  | 5128                                                             | COMPOSITE | 5/32                           | 4.0 TPG (d)    |                             | U A  |
| 4774                                                            | COMPOSITE | 1                              | 25.0 TTG (IN)      |                             | U A  | 4895                                                             | COMPOSITE | 3/16                           | 5.0 TPG (m)    |                             | U A  |
| 3970                                                            | COMPOSITE | 5/32                           | 4.0 TPG (IN)(s)    |                             | U A  | 4896                                                             | COMPOSITE | 1/4                            | 6.0 TPG (m)    |                             | U A  |
| 3971                                                            | COMPOSITE | 3/16                           | 5.0 TPG (m)        |                             | U A  | 4897                                                             | COMPOSITE | 3/8                            | 10.0 TPG (s)   |                             | U A  |
| 3972                                                            | COMPOSITE | 1/4                            | 6.0 TPG (m)        |                             | U A  | 6408                                                             | COMPOSITE | (S)                            | 6 LTG (b)(A)   | (.030)                      | U A  |
| 3973                                                            | COMPOSITE | 3/8                            | 10.0 TPG (s)       |                             | U A  | <b>Glasswerks GWA ; South Gate CA</b>                            |           |                                |                |                             |      |
| 3974                                                            | COMPOSITE | 1/2                            | 12.0 TPG (IN)(s)   |                             | U A  | 5480                                                             | COMPOSITE | 5/32                           | 4.0 TTG        |                             | U A  |
| <b>GLASPRO ; Santa Fe Springs, CA</b>                           |           |                                |                    |                             |      | 5481                                                             | COMPOSITE | 3/16                           | 5.0 TTG        |                             | U A  |
| 6047                                                            | COMP+CAN  | 1/4                            | 6.0 TTG            |                             | U A  | 5482                                                             | COMPOSITE | 1/4                            | 6.0 TTG        |                             | U A  |
| 6048                                                            | COMP+CAN  | 1/2                            | 12.0 TTG           |                             | U A  | <b>Glasswerks GWLA ; South Gate, CA</b>                          |           |                                |                |                             |      |
| 6050                                                            | COMP+CAN  | (H)                            | 8-16+ LTG (b)(A)   | (.030)                      | U A  | 4804                                                             | COMPOSITE | 1/8                            | 3.0 TTG        |                             | U A  |
| <b>Glass &amp; Mirror Craft ; Wixom, MI</b>                     |           |                                |                    |                             |      | 5882                                                             | COMPOSITE | 5/32                           | 4.0 TTG        |                             | U A  |
| 4198                                                            | COMP+CAN  | 1/8                            | 3.0 TTG            |                             | U A  | 4805                                                             | COMPOSITE | 3/16                           | 5.0 TTG        |                             | U A  |
| 5116                                                            | COMP+CAN  | 5/32                           | 4.0 TTG            |                             | U A  | 4806                                                             | COMPOSITE | 1/4                            | 6.0 TTG        |                             | U A  |
| 4199                                                            | COMP+CAN  | 3/16                           | 5.0 TTG            |                             | U A  | 5883                                                             | COMPOSITE | 3/8                            | 10.0 TTG       |                             | U A  |
| 4200                                                            | COMP+CAN  | 1/4                            | 6.0 TTG            |                             | U A  | 5884                                                             | COMPOSITE | 1/2                            | 12.0 TTG       |                             | U A  |
| 5598                                                            | COMP+CAN  | 3/8                            | 10.0 TTG           |                             | U A  | 5885                                                             | COMPOSITE | 3/4                            | 19.0 TTG       |                             | U A  |
| 4202                                                            | COMP+CAN  | 1/2                            | 12.0 TTG           |                             | U A  | 6057                                                             | COMPOSITE | (H)                            | 12 LTG (ip)(A) | (.060)                      | U A  |
| 4203                                                            | COMP+CAN  | 5/8                            | 16.0 TTG           |                             | U A  | 5886                                                             | COMPOSITE | (H)                            | 12 LTG (b)(A)  | (.060)                      | U A  |
| 4204                                                            | COMP+CAN  | 3/4                            | 19.0 TTG           |                             | U A  | <b>Glasswerks GWT ; Temecula, CA</b>                             |           |                                |                |                             |      |
| 4924                                                            | COMP+CAN  | (H)                            | 12-16+ LTG (ip)(A) | (.035)                      | U A  | 6095                                                             | COMP+CAN  | 3/16                           | 5.0 TTG        |                             | U A  |
| <b>Glass Dynamics, Inc. ; Stoneville, NC</b>                    |           |                                |                    |                             |      | 6096                                                             | COMP+CAN  | 1/4                            | 6.0 TTG        |                             | U A  |
| 2728                                                            | COMPOSITE | 1/8                            | 3.0 TTG            |                             | U A  | 6097                                                             | COMP+CAN  | 3/8                            | 10.0 TTG       |                             | U A  |
| 2730                                                            | COMPOSITE | 3/16                           | 5.0 TTG            |                             | U A  | 6098                                                             | COMP+CAN  | 1/2                            | 12.0 TTG       |                             | U A  |
| 2732                                                            | COMPOSITE | 1/4                            | 6.0 TTG            |                             | U A  | <b>Glaz-Tech Industries, Inc. ; Albuquerque, NM</b>              |           |                                |                |                             |      |
| 5259                                                            | COMPOSITE | 5/16                           | 8.0 TTG            |                             | U A  | 6589                                                             | COMPOSITE | 1/8                            | 3.0 TTG        |                             | U A  |
| 2729                                                            | COMPOSITE | 3/8                            | 10.0 TTG           |                             | U A  | 6590                                                             | COMPOSITE | 3/16                           | 5.0 TTG        |                             | U A  |
| 2733                                                            | COMPOSITE | 1/2                            | 12.0 TTG           |                             | U A  | 6594                                                             | COMPOSITE | 1/4                            | 6.0 TTG        |                             | U A  |
| 2731                                                            | COMPOSITE | 5/8                            | 16.0 TTG           |                             | U A  | 6591                                                             | COMPOSITE | 3/8                            | 10.0 TTG       |                             | U A  |
| 2734                                                            | COMPOSITE | 3/4                            | 19.0 TTG           |                             | U A  | 6592                                                             | COMPOSITE | 1/2                            | 12.0 TTG       |                             | U A  |
| 4375                                                            | COMPOSITE | (S)                            | 6 LTG (b)(A)       | (.030)                      | U A  | 6595                                                             | COMPOSITE | 3/16                           | 5.0 TPG (m)    |                             | U A  |
| 4413                                                            | COMPOSITE | (S)                            | 6 LTG (ip)(A)      | (.035)                      | U A  | 6593                                                             | COMPOSITE | 3/8                            | 10.0 TPG (s)   |                             | U A  |
| 4414                                                            | COMPOSITE | (H)                            | 8-16+ LTG (ip)(A)  | (.035)                      | U A  | <b>Glaz-Tech Industries, Inc. ; Englewood, CO</b>                |           |                                |                |                             |      |
| 4376                                                            | COMPOSITE | (H)                            | 8-16+ LTG (b)(A)   | (.030)                      | U A  | 2185                                                             | COMPOSITE | 1/8                            | 3.0 TTG        |                             | U A  |
| <b>Glass Enterprises, Inc. ; Bensalem, PA</b>                   |           |                                |                    |                             |      | 2186                                                             | COMPOSITE | 3/16                           | 5.0 TTG        |                             | U A  |
| 4628                                                            | COMPOSITE | 3/16                           | 5.0 TTG            |                             | U A  | 2187                                                             | COMPOSITE | 1/4                            | 6.0 TTG        |                             | U A  |
| 4629                                                            | COMPOSITE | 1/4                            | 6.0 TTG            |                             | U A  | 5143                                                             | COMPOSITE | 3/8                            | 10.0 TTG       |                             | U A  |
| 6597                                                            | COMPOSITE | 3/8                            | 10.0 TTG           |                             | U A  | 2189                                                             | COMPOSITE | 1/2                            | 12.0 TTG       |                             | U A  |
| 6598                                                            | COMPOSITE | 1/2                            | 12.0 TTG           |                             | U A  | 2193                                                             | COMPOSITE | 3/16                           | 5.0 TPG (m)    |                             | U A  |
| <b>GlassFab Tempering Services Inc. Holly Drive ; Tracy, CA</b> |           |                                |                    |                             |      | <b>Glaz-Tech Industries, Inc. ; Nampa, ID</b>                    |           |                                |                |                             |      |
| 6118                                                            | COMPOSITE | 1/8                            | 3.0 TTG            |                             | U A  | 6607                                                             | COMPOSITE | 1/8                            | 3.0 TTG        |                             | U A  |
| 5986                                                            | COMPOSITE | 3/16                           | 5.0 TTG            |                             | U A  | 6608                                                             | COMPOSITE | 3/16                           | 5.0 TTG        |                             | U A  |
| 5987                                                            | COMPOSITE | 1/4                            | 6.0 TTG            |                             | U A  | 6609                                                             | COMPOSITE | 1/4                            | 6.0 TTG        |                             | U A  |
| 5988                                                            | COMPOSITE | 3/8                            | 10.0 TTG           |                             | U A  | 6610                                                             | COMPOSITE | 3/8                            | 10.0 TTG       |                             | U A  |
| 5989                                                            | COMPOSITE | 1/2                            | 12.0 TTG           |                             | U A  | 6611                                                             | COMPOSITE | 1/2                            | 12.0 TTG       |                             | U A  |
| 5990                                                            | COMPOSITE | 3/4                            | 19.0 TTG           |                             | U A  | 6612                                                             | COMPOSITE | 3/8                            | 10.0 TPG (s)   |                             | U A  |

## Certified Products-Alphabetical By Plant

| SGCC#                                                                                      | TEST STD  | INCHES (MM)       | TYPE               | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                                  | TEST STD  | INCHES (MM)       | TYPE              | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|--------------------------------------------------------------------------------------------|-----------|-------------------|--------------------|-----------------------------|------|------------------------------------------------------------------------|-----------|-------------------|-------------------|-----------------------------|------|
|                                                                                            |           | (THICKNESS CLASS) |                    |                             |      |                                                                        |           | (THICKNESS CLASS) |                   |                             |      |
| <b>Glaz-Tech Industries, Inc. ; Santa Teresa, NM</b>                                       |           |                   |                    |                             |      | <b>Guangdong Golden Glass Technologies ; Shantou, Guangdong, China</b> |           |                   |                   |                             |      |
| 6599                                                                                       | COMPOSITE | 1/8               | 3.0 TTG            |                             | U A  | 3941                                                                   | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| 6600                                                                                       | COMPOSITE | 3/16              | 5.0 TTG            |                             | U A  | 3942                                                                   | COMP+CAN  | 5/16              | 8.0 TTG           |                             | U A  |
| 6601                                                                                       | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  | 3943                                                                   | COMP+CAN  | 3/8               | 10.0 TTG          |                             | U A  |
| 6602                                                                                       | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  | 3944                                                                   | COMP+CAN  | 1/2               | 12.0 TTG *        |                             | U A  |
| 6603                                                                                       | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  | 3945                                                                   | COMP+CAN  | *                 | 15.0 TTG (3)      |                             | U A  |
| 6604                                                                                       | COMPOSITE | 1/8               | 3.0 TPG (s)        |                             | U A  | 3946                                                                   | COMP+CAN  | 3/4               | 19.0 TTG          |                             | U A  |
| 6605                                                                                       | COMPOSITE | 3/16              | 5.0 TPG (m)        |                             | U A  | 4535                                                                   | COMP+CAN  | 7/8               | 22.0 TTG          |                             | U A  |
| 6606                                                                                       | COMPOSITE | 3/8               | 10.0 TPG (s)       |                             | U A  | 3947                                                                   | COMP+CAN  | (H)               | 10-16+ LTG (b)(A) | (.030)                      | U A  |
| <b>Glaz-Tech Industries, Inc. ; Tucson, AZ</b>                                             |           |                   |                    |                             |      | 4723                                                                   | COMP+CAN  | (H)               | 16+ LTG (ip)(A)   | (.060)                      | U A  |
| 6574                                                                                       | COMPOSITE | 1/8               | 3.0 TTG            |                             | U A  | <b>Guardian Glass, LLC ; Carleton, MI</b>                              |           |                   |                   |                             |      |
| 6575                                                                                       | COMPOSITE | 3/16              | 5.0 TTG            |                             | U A  | 933                                                                    | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  |
| 6576                                                                                       | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  | 934                                                                    | COMPOSITE | 5/32              | 4.0 TTG           |                             | U A  |
| 6577                                                                                       | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  | 631                                                                    | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| 6578                                                                                       | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  | 131                                                                    | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 6579                                                                                       | COMPOSITE | 1/8               | 3.0 TPG (s)        |                             | U A  | <b>Guardian Glass, LLC ; Corsicana, TX</b>                             |           |                   |                   |                             |      |
| 6580                                                                                       | COMPOSITE | 3/16              | 5.0 TPG (m)        |                             | U A  | 1248                                                                   | COMP+CAN  | 1/8               | 3.0 TTG           |                             | U A  |
| 6581                                                                                       | COMPOSITE | 3/8               | 10.0 TPG (s)       |                             | U A  | 1249                                                                   | COMP+CAN  | 5/32              | 4.0 TTG           |                             | U A  |
| <b>Glenny Glass Co. ; Milford, OH</b>                                                      |           |                   |                    |                             |      | 1250                                                                   | COMP+CAN  | 3/16              | 5.0 TTG           |                             | U A  |
| 3841                                                                                       | COMPOSITE | 1/8               | 3.0 TTG            |                             | U A  | 1251                                                                   | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| 3843                                                                                       | COMPOSITE | 3/16              | 5.0 TTG            |                             | U A  | 1826                                                                   | COMP+CAN  | 5/16              | 8.0 TTG           |                             | U A  |
| 3844                                                                                       | COMPOSITE | 1/4               | 6.0 TTG            |                             | U A  | 1253                                                                   | COMP+CAN  | 3/8               | 10.0 TTG          |                             | U A  |
| 3845                                                                                       | COMPOSITE | 3/8               | 10.0 TTG           |                             | U A  | 1803                                                                   | COMP+CAN  | 1/2               | 12.0 TTG          |                             | U A  |
| 3846                                                                                       | COMPOSITE | 1/2               | 12.0 TTG           |                             | U A  | 2458                                                                   | COMP+CAN  | 1/8               | 3.0 TPG (m)       |                             | U A  |
| 6194                                                                                       | COMPOSITE | (H)               | 10 LTG (ev)(A)     | (.030)                      | U A  | 2459                                                                   | COMP+CAN  | 5/32              | 4.0 TPG (m)       |                             | U A  |
| <b>Global Security Glazing ; Selma, AL</b>                                                 |           |                   |                    |                             |      | 2460                                                                   | COMP+CAN  | 3/16              | 5.0 TPG (m)       |                             | U A  |
| 4764                                                                                       | COMP+CAN  | 1/8               | 3.0 TTG            |                             | U A  | 5142                                                                   | COMP+CAN  | 1/4               | 6.0 TPG (m)       |                             | U A  |
| 4765                                                                                       | COMP+CAN  | 3/16              | 5.0 TTG            |                             | U A  | 5133                                                                   | COMP+CAN  | 3/8               | 10.0 TPG (m)      |                             | U A  |
| 4766                                                                                       | COMP+CAN  | 1/4               | 6.0 TTG            |                             | U A  | <b>Guardian Glass, LLC ; DeWitt, IA</b>                                |           |                   |                   |                             |      |
| 4767                                                                                       | COMP+CAN  | 3/8               | 10.0 TTG           |                             | U A  | 2020                                                                   | COMPOSITE | 1/8               | 3.0 TTG IN        |                             | U A  |
| 4768                                                                                       | COMP+CAN  | 1/2               | 12.0 TTG           |                             | U A  | 2021                                                                   | COMPOSITE | 5/32              | 4.0 TTG IN        |                             | U A  |
| 4769                                                                                       | COMP+CAN  | (S)               | 6 LTG (b)(A)       | (.030)                      | U A  | 2022                                                                   | COMPOSITE | 3/16              | 5.0 TTG IN        |                             | U A  |
| 6040                                                                                       | COMP+CAN  | (H)               | 10 LTG (b)(A)      | (.150)                      | U A  | 2023                                                                   | COMPOSITE | 1/4               | 6.0 TTG IN        |                             | U A  |
| 4770                                                                                       | COMP+CAN  | (H)               | 12 LTG (b)(A)      | (.060)                      | U A  | 2024                                                                   | COMPOSITE | 5/16              | 8.0 TTG IN        |                             | U A  |
| <b>GnT Glass Co., Ltd. ; Dongguan, Guangdong, China</b>                                    |           |                   |                    |                             |      | 2545                                                                   | COMPOSITE | 3/8               | 10.0 TTG IN       |                             | U A  |
| 6540                                                                                       | COMP+CAN  | 1/4               | 6.0 TTG            |                             | U A  | 2649                                                                   | COMPOSITE | 1/2               | 12.0 TTG IN       |                             | U A  |
| 5788                                                                                       | COMP+CAN  | 5/16              | 8.0 TTG            |                             | U A  | <b>Guardian Glass, LLC ; Geneva, NY</b>                                |           |                   |                   |                             |      |
| 5789                                                                                       | COMP+CAN  | 3/8               | 10.0 TTG           |                             | U A  | 2259                                                                   | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  |
| 5790                                                                                       | COMP+CAN  | 1/2               | 12.0 TTG           |                             | U A  | 2260                                                                   | COMPOSITE | 5/32              | 4.0 TTG           |                             | U A  |
| 5791                                                                                       | COMP+CAN  | (H)               | 10, 16+ LTG (b)(A) | (.060)                      | U A  | 2261                                                                   | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| <b>Goldray Industries Ltd. ; Calgary, AB Canada</b>                                        |           |                   |                    |                             |      | 2262                                                                   | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 2445                                                                                       | COMP+CAN  | 5/32              | 4.0 TTG            |                             | U A  | 3672                                                                   | COMPOSITE | 5/16              | 8.0 TTG           |                             | U A  |
| 2446                                                                                       | COMP+CAN  | 3/16              | 5.0 TTG            |                             | U A  | 2519                                                                   | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 2447                                                                                       | COMP+CAN  | 1/4               | 6.0 TTG            |                             | U A  | 3673                                                                   | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| 2448                                                                                       | COMP+CAN  | 3/8               | 10.0 TTG           |                             | U A  | <b>Guardian Glass, LLC ; Kingsburg, CA</b>                             |           |                   |                   |                             |      |
| 2449                                                                                       | COMP+CAN  | 1/2               | 12.0 TTG           |                             | U A  | 968                                                                    | COMP+CAN  | 1/8               | 3.0 TTG           |                             | U A  |
| <b>GroupeVFG, a Trulite Glass and Aluminum Solutions Company ; Bois-des-Filion, Quebec</b> |           |                   |                    |                             |      | 969                                                                    | COMP+CAN  | 5/32              | 4.0 TTG           |                             | U A  |
| 6061                                                                                       | COMP+CAN  | 3/16              | 5.0 TTG            |                             | U A  | 970                                                                    | COMP+CAN  | 3/16              | 5.0 TTG           |                             | U A  |
| 6062                                                                                       | COMP+CAN  | 1/4               | 6.0 TTG            |                             | U A  | 971                                                                    | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| 6063                                                                                       | COMP+CAN  | 5/16              | 8.0 TTG            |                             | U A  | 1303                                                                   | COMP+CAN  | 1/8               | 3.0 TPG (d)       |                             | U A  |
| 6064                                                                                       | COMP+CAN  | 3/8               | 10.0 TTG           |                             | U A  | 1301                                                                   | COMP+CAN  | 5/32              | 4.0 TPG (m)       |                             | U A  |
| 6065                                                                                       | COMP+CAN  | 1/2               | 12.0 TTG           |                             | U A  | 1304                                                                   | COMP+CAN  | 3/16              | 5.0 TPG (m)       |                             | U A  |
| 6066                                                                                       | COMP+CAN  | 5/8               | 16.0 TTG           |                             | U A  | 1882                                                                   | COMP+CAN  | 1/4               | 6.0 TPG (m)       |                             | U A  |
| 6067                                                                                       | COMP+CAN  | 3/4               | 19.0 TTG           |                             | U A  |                                                                        |           |                   |                   |                             |      |



## Certified Products-Alphabetical By Plant

| SGCC#                                                              | TEST STD  | INCHES (MM)       | TYPE                      | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                         | TEST STD  | INCHES (MM)       | TYPE             | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|--------------------------------------------------------------------|-----------|-------------------|---------------------------|-----------------------------|------|---------------------------------------------------------------|-----------|-------------------|------------------|-----------------------------|------|
|                                                                    |           | (THICKNESS CLASS) |                           |                             |      |                                                               |           | (THICKNESS CLASS) |                  |                             |      |
| <b>Guardian Glass, LLC ; Richburg, SC</b>                          |           |                   |                           |                             |      | <b>Industrial Tempering Glass ; Brooklyn, NY</b>              |           |                   |                  |                             |      |
| 1630                                                               | COMPOSITE | 1/8               | 3.0 TTG                   |                             | U A  | 5564                                                          | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  |
| 1631                                                               | COMPOSITE | 5/32              | 4.0 TTG                   |                             | U A  | 5565                                                          | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  |
| 1632                                                               | COMPOSITE | 3/16              | 5.0 TTG                   |                             | U A  | 3418                                                          | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  |
| 1633                                                               | COMPOSITE | 1/4               | 6.0 TTG                   |                             | U A  | 3419                                                          | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  |
| 2382                                                               | COMPOSITE | 5/16              | 8.0 TTG                   |                             | U A  | 4240                                                          | COMPOSITE | 3/4               | 19.0 TTG         |                             | U A  |
| 1634                                                               | COMPOSITE | 3/8               | 10.0 TTG                  |                             | U A  | <b>Inkan Ltd ; Brampton, ON</b>                               |           |                   |                  |                             |      |
| 1683                                                               | COMPOSITE | 1/8               | 3.0 TPG (m)               |                             | U A  | 5135                                                          | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| 1635                                                               | COMPOSITE | 5/32              | 4.0 TPG (m)               |                             | U A  | 5136                                                          | COMP+CAN  | 5/16              | 8.0 TTG          |                             | U A  |
| 1865                                                               | COMPOSITE | 3/16              | 5.0 TPG (m)               |                             | U A  | 5137                                                          | COMP+CAN  | 3/8               | 10.0 TTG         |                             | U A  |
| 3002                                                               | COMPOSITE | 1/4               | 6.0 TPG (m)               |                             | U A  | 5138                                                          | COMP+CAN  | 1/2               | 12.0 TTG         |                             | U A  |
| 3003                                                               | COMPOSITE | 3/8               | 10.0 TPG (m)              |                             | U A  | 5139                                                          | COMP+CAN  | 5/8               | 16.0 TTG         |                             | U A  |
| <b>Guardian IG LLC ; Sun Prairie, WI</b>                           |           |                   |                           |                             |      | 5140                                                          | COMP+CAN  | 3/4               | 19.0 TTG         |                             | U A  |
| 5640                                                               | COMP+CAN  | 1/8               | 3.0 TTG                   |                             | U A  | <b>Innovative Glass of America, Inc. ; Dallas, NC</b>         |           |                   |                  |                             |      |
| 5641                                                               | COMP+CAN  | 5/32              | 4.0 TTG                   |                             | U A  | 3859                                                          | COMPOSITE | 1/8               | 3.0 TTG          |                             | U A  |
| 5642                                                               | COMP+CAN  | 3/16              | 5.0 TTG                   |                             | U A  | 3860                                                          | COMPOSITE | 5/32              | 4.0 TTG          |                             | U A  |
| 5643                                                               | COMP+CAN  | 1/4               | 6.0 TTG                   |                             | U A  | 3861                                                          | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  |
| 6570                                                               | COMP+CAN  | 5/16              | 8.0 TTG                   |                             | U A  | 3862                                                          | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  |
| 6571                                                               | COMP+CAN  | 3/8               | 10.0 TTG                  |                             | U A  | 3863                                                          | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  |
| 5644                                                               | COMP+CAN  | 1/8               | 3.0 TPG (d)               |                             | U A  | 3864                                                          | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  |
| 5645                                                               | COMP+CAN  | 5/32              | 4.0 TPG (d)               |                             | U A  | <b>Insulite Glass Co., Inc. ; Olathe, KS</b>                  |           |                   |                  |                             |      |
| 5646                                                               | COMP+CAN  | 3/16              | 5.0 TPG (d)               |                             | U A  | 4473                                                          | COMPOSITE | 1/8               | 3.0 TTG          |                             | U A  |
| 5647                                                               | COMP+CAN  | 1/4               | 6.0 TPG (d)               |                             | U A  | 4474                                                          | COMPOSITE | 5/32              | 4.0 TTG          |                             | U A  |
| <b>Guardian Industries Corp. ; Galax, VA</b>                       |           |                   |                           |                             |      | 3714                                                          | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  |
| 4604                                                               | COMP+CAN  | 1/8               | 3.0 TTG                   |                             | U A  | 3715                                                          | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  |
| 4605                                                               | COMP+CAN  | 5/32              | 4.0 TTG                   |                             | U A  | 3716                                                          | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  |
| 4606                                                               | COMP+CAN  | 3/16              | 5.0 TTG                   |                             | U A  | 3717                                                          | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  |
| 4607                                                               | COMP+CAN  | 1/4               | 6.0 TTG                   |                             | U A  | 3718                                                          | COMPOSITE | (S)               | 6 LTG (b)(A)     | (.030)                      | U A  |
| 4608                                                               | COMP+CAN  | 5/16              | 8.0 TTG                   |                             | U A  | 3720                                                          | COMPOSITE | (H)               | 8 LTG (b)(A)     | (.060)                      | U A  |
| 4609                                                               | COMP+CAN  | 3/8               | 10.0 TTG                  |                             | U A  | 5513                                                          | COMPOSITE | (H)               | 10-12 LTG (b)(A) | (.030)                      | U A  |
| 4610                                                               | COMP+CAN  | 1/2               | 12.0 TTG                  |                             | U A  | <b>Integral Seal Mfg. Inc. ; Concord, ON Canada</b>           |           |                   |                  |                             |      |
| 4611                                                               | COMP+CAN  | 3/4               | 19.0 TTG (IN)             |                             | U A  | 4682                                                          | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  |
| 4612                                                               | COMP+CAN  | 1/8               | 3.0 TPG (s)               |                             | U A  | 4683                                                          | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  |
| 4613                                                               | COMP+CAN  | 3/16              | 5.0 TPG (m)               |                             | U A  | 4684                                                          | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| 4627                                                               | COMP+CAN  | 3/8               | 10.0 TPG (s)              |                             | U A  | <b>Interglass Corp ; Miami, FL</b>                            |           |                   |                  |                             |      |
| 4633                                                               | COMP+CAN  | (S)               | 6 LTG (b)(A)              | (.030)                      | U A  | 5032                                                          | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  |
| 4800                                                               | COMP+CAN  | (S)               | 6 LTG (b)(p)(el)(6)(A)    | (.075)                      | U A  | 5033                                                          | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  |
| 4658                                                               | COMP+CAN  | (H)               | 8 LTG (b)(A)              | (.030)                      | U A  | 5034                                                          | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  |
| 4829                                                               | COMP+CAN  | (H)               | 8-10 LTG (b)(p)(el)(6)(A) | (.075)                      | U A  | 5035                                                          | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  |
| <b>Gulf Glass Industries, LLC ; Sharjah, United Arab Emirates</b>  |           |                   |                           |                             |      | 5036                                                          | COMPOSITE | 3/4               | 19.0 TTG         |                             | U A  |
| 4796                                                               | COMPOSITE | 1/4               | 6.0 TTG                   |                             | U A  | 5027                                                          | COMPOSITE | 3/8               | 10.0 TPG (s)     |                             | U A  |
| 6326                                                               | COMPOSITE | 5/16              | 8.0 TTG                   |                             | U A  | <b>Intex Glass (Xiamen) Co., Ltd. ; Xiamen, Fujian, China</b> |           |                   |                  |                             |      |
| 4797                                                               | COMPOSITE | 3/8               | 10.0 TTG                  |                             | U A  | 2572                                                          | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  |
| 4798                                                               | COMPOSITE | *                 | 12.0 TTG (7)              |                             | U A  | 2573                                                          | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  |
| 4799                                                               | COMPOSITE | (H)               | 8 LTG (b)(A)              | (.030)                      | U A  | 2574                                                          | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  |
| <b>Hanwood Enterprises Limited ; Wanchai, Hong Kong</b>            |           |                   |                           |                             |      | 2575                                                          | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  |
| 6003                                                               | COMPOSITE | (H)               | 8 LTG (b)(A)              | (.090)                      | U A  | 3025                                                          | COMP+CAN  | 5/16              | 8.0 TTG          |                             | U A  |
| <b>Henan Longwang Tempered Vacuum Glass Ltd. ; Mengzhou, Henan</b> |           |                   |                           |                             |      | 2576                                                          | COMP+CAN  | 3/8               | 10.0 TTG         |                             | U A  |
| 6640                                                               | COMPOSITE | 1/2               | 12.0 VIGT                 |                             | U A  | 2577                                                          | COMP+CAN  | 1/2               | 12.0 TTG         |                             | U A  |
| <b>Huachuang Longfei Glass Co., Ltd. ; Heibei China</b>            |           |                   |                           |                             |      | 6131                                                          | COMP+CAN  | 1/8               | 3.0 TPG (m)      |                             | U A  |
| 6041                                                               | COMPOSITE | 1/8               | 3.0 TTG                   |                             | U A  | 6132                                                          | COMP+CAN  | 5/32              | 4.0 TPG (s)      |                             | U A  |
| <b>Huahui Glass (China) Co., LD ; Quanzhou City, China</b>         |           |                   |                           |                             |      | 6133                                                          | COMP+CAN  | 1/4               | 6.0 TPG (s)      |                             | U A  |
| 5843                                                               | COMPOSITE | 5/32              | 4.0 TTG                   |                             | U A  |                                                               |           |                   |                  |                             |      |

## 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>Intigral ; Walton Hills, OH</b>                                          |           |                   |                    |                    |            | <b>JM Glass ; Hayward, CA</b>                                            |           |                   |                  |                    |            |
| 2050                                                                        | COMP+CAN  | 1/8               | 3.0 TTG            |                    | U A        | 4928                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 2051                                                                        | COMP+CAN  | 5/32              | 4.0 TTG            |                    | U A        | 4929                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 2052                                                                        | COMP+CAN  | 3/16              | 5.0 TTG            |                    | U A        | 4930                                                                     | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
| 2055                                                                        | COMP+CAN  | 1/4               | 6.0 TTG            |                    | U A        | 4931                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        |
| 3631                                                                        | COMP+CAN  | 1/8               | 3.0 TPG (m)        |                    | U A        | <b>JYC Glass Co. Ltd. ; Foshan, Guangdong, China</b>                     |           |                   |                  |                    |            |
| 4588                                                                        | COMP+CAN  | 5/32              | 4.0 TPG (m)        |                    | U A        | 3957                                                                     | COMP+CAN  | 1/8               | 3.0 TTG          |                    | U A        |
| <b>Intus Windows LLC ; Kielce, Poland</b>                                   |           |                   |                    |                    |            | 3958                                                                     | COMP+CAN  | 5/32              | 4.0 TTG          |                    | U A        |
| 6200                                                                        | COMPOSITE | 5/32              | 4.0 TTG            |                    | U A        | 3959                                                                     | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 6201                                                                        | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        | 3960                                                                     | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 6202                                                                        | COMPOSITE | (S)               | 6 LTG (b)(A)       | (.030)             | U A        | 3961                                                                     | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        |
| <b>J&amp;C International Ltd. ; Ontario, Canada</b>                         |           |                   |                    |                    |            | 3962                                                                     | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 6676                                                                        | COMP+CAN  | 1/8               | 3.0 TTG            |                    | U A        | 3963                                                                     | COMP+CAN  | 1/2               | 12.0 TTG         |                    | U A        |
| <b>Jiangmen SYP Engineering Glass Co, Ltd. ; Jiangmen, Guangdong, China</b> |           |                   |                    |                    |            | 4161                                                                     | COMP+CAN  | 5/32              | 4.0 TPG (s)      |                    | U A        |
| 4303                                                                        | COMP+CAN  | 5/32              | 4.0 TTG            |                    | U A        | 6621                                                                     | COMP+CAN  | 3/16              | 5.0 TPG (s)      |                    | U A        |
| 4304                                                                        | COMP+CAN  | 3/16              | 5.0 TTG            |                    | U A        | 6622                                                                     | COMP+CAN  | 1/4               | 6.0 TPG (s)      |                    | U A        |
| 4305                                                                        | COMP+CAN  | 1/4               | 6.0 TTG            |                    | U A        | 6619                                                                     | COMP+CAN  | 3/16              | 5.0 TBP (s)      |                    | U A        |
| 4306                                                                        | COMP+CAN  | 5/16              | 8.0 TTG            |                    | U A        | 6620                                                                     | COMP+CAN  | 1/4               | 6.0 TBP (s)      |                    | U A        |
| 4307                                                                        | COMP+CAN  | 3/8               | 10.0 TTG           |                    | U A        | 3991                                                                     | COMP+CAN  | 5/32              | 4.0 TBG          |                    | U A        |
| 4308                                                                        | COMP+CAN  | 1/2               | 12.0 TTG           |                    | U A        | 3992                                                                     | COMP+CAN  | 3/16              | 5.0 TBG          |                    | U A        |
| 4309                                                                        | COMP+CAN  | *                 | 15.0 TTG (3)       |                    | U A        | 3993                                                                     | COMP+CAN  | 1/4               | 6.0 TBG          |                    | U A        |
| 4310                                                                        | COMP+CAN  | 3/4               | 19.0 TTG           |                    | U A        | 3994                                                                     | COMP+CAN  | 5/16              | 8.0 TBG          |                    | U A        |
| 5052                                                                        | COMP+CAN  | 1/4               | 6.0 TBG            |                    | U A        | <b>Kawneer - (Cranberry) an Arconic Company ; Cranberry Township, PA</b> |           |                   |                  |                    |            |
| 5053                                                                        | COMP+CAN  | 5/16              | 8.0 TBG            |                    | U A        | 2488                                                                     | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        |
| 5054                                                                        | COMP+CAN  | 3/8               | 10.0 TBG           |                    | U A        | 2489                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 5055                                                                        | COMP+CAN  | 1/2               | 12.0 TBG           |                    | U A        | 2490                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 4312                                                                        | COMP+CAN  | (H)               | 8-16+ LTG (b)(A)   | (.030)             | U A        | 2678                                                                     | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        |
| 4575                                                                        | COMP+CAN  | (H)               | 10-16+ LTG (ip)(A) | (.060)             | U A        | 4394                                                                     | COMPOSITE | 1/8               | 3.0 TPG (s)      |                    | U A        |
| <b>Jiangyin Mingyang Glass Production ; Jiangyin City, Jiangsu</b>          |           |                   |                    |                    |            | 4395                                                                     | COMPOSITE | 3/16              | 5.0 TPG (s)      |                    | U A        |
| 5777                                                                        | COMPOSITE | 1/8               | 3.0 TTG            |                    | U A        | 5369                                                                     | COMPOSITE | (S)               | 6 LTG (b)(A)     | (.030)             | U A        |
| 5778                                                                        | COMPOSITE | 5/32              | 4.0 TTG            |                    | U A        | 2715                                                                     | COMPOSITE | (H)               | 8, 12 LTG (b)(A) | (.060)             | U A        |
| 5779                                                                        | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        | 2748                                                                     | COMPOSITE | (H)               | 8-12 LTG (ip)(A) | (.090)             | U A        |
| 5780                                                                        | COMPOSITE | 5/16              | 8.0 TTG            |                    | U A        | 2716                                                                     | COMPOSITE | (H)               | 10 LTG (b)(A)    | (.030)             | U A        |
| 6203                                                                        | COMPOSITE | 3/8               | 10.0 TTG           |                    | U A        | 2719                                                                     | COMPOSITE | (H)               | 12 LTG (b)(A)    | (.090)             | U A        |
| 6478                                                                        | COMPOSITE | 5/32              | 4.0 TPG (m)        |                    | U A        | <b>Kensington Glass Arts ; Ijamsville, MD</b>                            |           |                   |                  |                    |            |
| 6479                                                                        | COMPOSITE | 3/16              | 5.0 TPG (m)        |                    | U A        | 5973                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| <b>Jiaxing Joinbath Corporation ; Jiaxing, Zhejiang, China</b>              |           |                   |                    |                    |            | 5974                                                                     | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
| 5709                                                                        | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        | 5975                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        |
| 5710                                                                        | COMPOSITE | 5/16              | 8.0 TTG            |                    | U A        | 5976                                                                     | COMPOSITE | 5/8               | 16.0 TTG         |                    | U A        |
| 5711                                                                        | COMPOSITE | 5/32              | 4.0 TPG (m)        |                    | U A        | 5977                                                                     | COMPOSITE | 3/4               | 19.0 TTG         |                    | U A        |
| 5713                                                                        | COMPOSITE | 3/16              | 5.0 TBG            |                    | U A        | <b>Kohler Company ; Union City, TN</b>                                   |           |                   |                  |                    |            |
| 6573                                                                        | COMPOSITE | 1/4               | 6.0 TBG            |                    | U A        | 1979                                                                     | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        |
| <b>Jin Yao Chang Tempered Glass Co., Ltd ; Guangdong</b>                    |           |                   |                    |                    |            | 1980                                                                     | COMPOSITE | 5/32              | 4.0 TTG          |                    | U A        |
| 6623                                                                        | COMPOSITE | 1/8               | 3.0 TTG            |                    | U A        | 1981                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 6624                                                                        | COMPOSITE | 5/32              | 4.0 TTG            |                    | U A        | 1982                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 6625                                                                        | COMPOSITE | 3/16              | 5.0 TTG            |                    | U A        | 4668                                                                     | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        |
| 6626                                                                        | COMPOSITE | 1/4               | 6.0 TTG            |                    | U A        | 2434                                                                     | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
| 6627                                                                        | COMPOSITE | 5/16              | 8.0 TTG            |                    | U A        | 4012                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        |
| 5684                                                                        | COMPOSITE | 3/8               | 10.0 TTG           |                    | U A        | 1983                                                                     | COMPOSITE | 1/8               | 3.0 TPG (m)      |                    | U A        |
| 6628                                                                        | COMPOSITE | 3/16              | 5.0 TBG            |                    | U A        | 3532                                                                     | COMPOSITE | 5/32              | 4.0 TPG (m)      |                    | U A        |
| 6629                                                                        | COMPOSITE | 1/4               | 6.0 TBG            |                    | U A        | 1984                                                                     | COMPOSITE | 3/16              | 5.0 TPG (s)      |                    | U A        |
|                                                                             |           |                   |                    |                    |            | 2918                                                                     | COMPOSITE | 1/4               | 6.0 TPG (IN)(m)  |                    | U A        |
|                                                                             |           |                   |                    |                    |            | <b>LandGlass Technology Co., LTD ; Luoyang, China</b>                    |           |                   |                  |                    |            |
|                                                                             |           |                   |                    |                    |            | 6476                                                                     | COMPOSITE | 3/8               | 10.0 VIGT        |                    | U A        |

## 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>Louisville Plate Glass ; Louisville, KY</b>           |           |                   |                   |                    |            | <b>McGrory Glass ; Paulsboro, NJ</b>                 |           |                   |                   |                    |            |
| 6070                                                     | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 4925                                                 | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        |
| 6072                                                     | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 4813                                                 | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| 6073                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 4814                                                 | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        |
| 6074                                                     | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 4815                                                 | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        |
| 6075                                                     | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 4816                                                 | COMPOSITE | 5/8               | 16.0 TTG          |                    | U A        |
| 6077                                                     | COMPOSITE | 3/16              | 5.0 TPG (s)       |                    | U A        | 4817                                                 | COMPOSITE | 3/4               | 19.0 TTG          |                    | U A        |
| 5093                                                     | COMPOSITE | (H)               | 10 LTG (lu)(A)(6) | (.060)             | U A        | 4818                                                 | COMPOSITE | 1/4               | 6.0 TPG (s)       |                    | U A        |
| <b>M Industria S.A. DE C.V. ; Merida, Yucatan Mexico</b> |           |                   |                   |                    |            | 4819                                                 | COMPOSITE | 3/8               | 10.0 TPG (s)      |                    | U A        |
| 5761                                                     | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 4820                                                 | COMPOSITE | 1/2               | 12.0 TPG (s)      |                    | U A        |
| 6480                                                     | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        | 5263                                                 | COMPOSITE | (H)               | 8-12 LTG (b)(A)   | (.030)             | U A        |
| 6146                                                     | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | <b>Mercer Glass Fab LLC ; Trenton, NJ</b>            |           |                   |                   |                    |            |
| 5410                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 4254                                                 | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| 5411                                                     | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 4530                                                 | COMPOSITE | 5/16              | 8.0 TTG           |                    | U A        |
| 6147                                                     | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 4255                                                 | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        |
| 6481                                                     | COMPOSITE | 3/4               | 19.0 TTG          |                    | U A        | 4256                                                 | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        |
| 6483                                                     | COMPOSITE | (S)               | 6 LTG (ip)(A)     | (.035)             | U A        | 4257                                                 | COMPOSITE | 1/4               | 6.0 TPG (m)       |                    | U A        |
| 6482                                                     | COMPOSITE | (S)               | 6 LTG (b)(A)      | (.030)             | U A        | 4258                                                 | COMPOSITE | 3/8               | 10.0 TPG (m)      |                    | U A        |
| 5413                                                     | COMPOSITE | (H)               | 8-16+ LTG (ip)(A) | (.035)             | U A        | <b>Midwest Glass Fabricators Inc. ; Highland, MI</b> |           |                   |                   |                    |            |
| 5412                                                     | COMPOSITE | (H)               | 8-16+ LTG (b)(A)  | (.030)             | U A        | 6027                                                 | COMP+CAN  | 1/8               | 3.0 TTG           |                    | U A        |
| <b>M&amp;M Tempering Inc. ; Loganville, GA</b>           |           |                   |                   |                    |            | 6028                                                 | COMP+CAN  | 5/32              | 4.0 TTG           |                    | U A        |
| 4280                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 6029                                                 | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        |
| 4281                                                     | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 6030                                                 | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        |
| 4282                                                     | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 6031                                                 | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        |
| <b>M3 Glass Technologies ; Irving, TX</b>                |           |                   |                   |                    |            | 6032                                                 | COMP+CAN  | 1/2               | 12.0 TTG          |                    | U A        |
| 5945                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 6033                                                 | COMP+CAN  | 5/8               | 16.0 TTG          |                    | U A        |
| 5946                                                     | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 6034                                                 | COMP+CAN  | 3/4               | 19.0 TTG          |                    | U A        |
| 5947                                                     | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 6035                                                 | COMP+CAN  | 3/16              | 5.0 TPG (m)       |                    | U A        |
| <b>Manko Windows ; Des Moines, IA</b>                    |           |                   |                   |                    |            | 6036                                                 | COMP+CAN  | 1/4               | 6.0 TPG (s)       |                    | U A        |
| 6286                                                     | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 6037                                                 | COMP+CAN  | 3/8               | 10.0 TPG (m)      |                    | U A        |
| 6287                                                     | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        | <b>Milgard Tempering ; Dixon, CA</b>                 |           |                   |                   |                    |            |
| 6288                                                     | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 2842                                                 | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| 6289                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | <b>Multiver ; Vanier, QC</b>                         |           |                   |                   |                    |            |
| 6290                                                     | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 2498                                                 | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        |
| 6291                                                     | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 2629                                                 | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        |
| 6432                                                     | COMPOSITE | 5/8               | 16.0 TTG          |                    | U A        | 4524                                                 | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        |
| 6292                                                     | COMPOSITE | 1/8               | 3.0 TPG (m)       |                    | U A        | 2499                                                 | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        |
| 6293                                                     | COMPOSITE | 5/32              | 4.0 TPG (m)       |                    | U A        | 5226                                                 | COMPOSITE | 5/16              | 8.0 TTG           |                    | U A        |
| 6294                                                     | COMPOSITE | 3/16              | 5.0 TPG (d)       |                    | U A        | 5227                                                 | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        |
| 6295                                                     | COMPOSITE | 1/4               | 6.0 TPG (m)       |                    | U A        | 5228                                                 | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        |
| 6296                                                     | COMPOSITE | 3/8               | 10.0 TPG (m)      |                    | U A        | <b>Multiver Inc. ; Montreal, QC</b>                  |           |                   |                   |                    |            |
| <b>Maryland Glass &amp; Mirror ; Baltimore, MD</b>       |           |                   |                   |                    |            | 6464                                                 | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        |
| 4318                                                     | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 6465                                                 | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        |
| 4319                                                     | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 6466                                                 | COMP+CAN  | 5/16              | 8.0 TTG           |                    | U A        |
| 4320                                                     | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 6467                                                 | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        |
| 4321                                                     | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 6468                                                 | COMP+CAN  | 1/2               | 12.0 TTG          |                    | U A        |
| 4322                                                     | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 5913                                                 | COMP+CAN  | (S)               | 6 LTG (b)(A)      | (.015)             | U B        |
|                                                          |           |                   |                   |                    |            | 5916                                                 | COMP+CAN  | (H)               | 8-16+ LTG (ip)(A) | (.060)             | U A        |
|                                                          |           |                   |                   |                    |            | 5914                                                 | COMP+CAN  | (H)               | 8 LTG (b)(A)      | (.015)             | U B        |
|                                                          |           |                   |                   |                    |            | 5915                                                 | COMP+CAN  | (H)               | 12 LTG (b)(A)     | (.030)             | U B        |

## Certified Products-Alphabetical By Plant

| SGCC#                                                                    | TEST STD  | INCHES (MM)       | TYPE             | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                | TEST STD  | INCHES (MM)       | TYPE         | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|--------------------------------------------------------------------------|-----------|-------------------|------------------|-----------------------------|------|------------------------------------------------------|-----------|-------------------|--------------|-----------------------------|------|
|                                                                          |           | (THICKNESS CLASS) |                  |                             |      |                                                      |           | (THICKNESS CLASS) |              |                             |      |
| <b>Nashville Tempered Glass Corp. ; Nashville, TN</b>                    |           |                   |                  |                             |      | <b>NY Tempering LLC ; Maspeth, NY</b>                |           |                   |              |                             |      |
| 1416                                                                     | COMP+CAN  | 1/8               | 3.0 TTG          |                             | U A  | 4900                                                 | COMPOSITE | 3/16              | 5.0 TTG      |                             | U A  |
| 2497                                                                     | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  | 4901                                                 | COMPOSITE | 1/4               | 6.0 TTG      |                             | U A  |
| 1467                                                                     | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  | 4902                                                 | COMPOSITE | 3/8               | 10.0 TTG     |                             | U A  |
| 1417                                                                     | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  | 4903                                                 | COMPOSITE | 1/2               | 12.0 TTG     |                             | U A  |
| 5729                                                                     | COMP+CAN  | 5/16              | 8.0 TTG          |                             | U A  | <b>Oldcastle BuildingEnvelope® ; Albertville, MN</b> |           |                   |              |                             |      |
| 2494                                                                     | COMP+CAN  | 3/8               | 10.0 TTG         |                             | U A  | 3104                                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| 2420                                                                     | COMP+CAN  | 1/8               | 3.0 TPG (s)      |                             | U A  | 3105                                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| 5785                                                                     | COMP+CAN  | 5/32              | 4.0 TPG (s)      |                             | U A  | 3106                                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| 2417                                                                     | COMP+CAN  | 3/16              | 5.0 TPG (s)      |                             | U A  | 3107                                                 | COMP+CAN  | 1/4               | 6.0 TTG      |                             | U A  |
| <b>Nashville Tempered Glass LLC ; Hendersonville, TN</b>                 |           |                   |                  |                             |      | 4882                                                 | COMP+CAN  | 5/16              | 8.0 TTG      |                             | U A  |
| 2691                                                                     | COMP+CAN  | 5/32              | 4.0 TTG          |                             | U A  | 3108                                                 | COMP+CAN  | 3/8               | 10.0 TTG     |                             | U A  |
| 2692                                                                     | COMP+CAN  | 3/16              | 5.0 TTG          |                             | U A  | 3109                                                 | COMP+CAN  | 1/2               | 12.0 TTG     |                             | U A  |
| 2693                                                                     | COMP+CAN  | 1/4               | 6.0 TTG          |                             | U A  | 3110                                                 | COMP+CAN  | 5/8               | 16.0 TTG     |                             | U A  |
| 2694                                                                     | COMP+CAN  | 3/8               | 10.0 TTG         |                             | U A  | 3111                                                 | COMP+CAN  | 3/4               | 19.0 TTG     |                             | U A  |
| 4148                                                                     | COMP+CAN  | 1/2               | 12.0 TTG         |                             | U A  | 3112                                                 | COMP+CAN  | 5/32              | 4.0 TPG (s)  |                             | U A  |
| 5453                                                                     | COMP+CAN  | 5/8               | 16.0 TTG         |                             | U A  | 3113                                                 | COMP+CAN  | 3/16              | 5.0 TPG (s)  |                             | U A  |
| 5454                                                                     | COMP+CAN  | 3/4               | 19.0 TTG         |                             | U A  | 3561                                                 | COMP+CAN  | 1/4               | 6.0 TPG (s)  |                             | U A  |
| 5229                                                                     | COMP+CAN  | (S)               | 6 LTG (b)(A)     | (.015)                      | U B  | 3127                                                 | COMP+CAN  | 3/8               | 10.0 TPG (m) |                             | U A  |
| 5230                                                                     | COMP+CAN  | (H)               | 10-12 LTG (b)(A) | (.030)                      | U A  | <b>Oldcastle BuildingEnvelope® ; Calgary, AB</b>     |           |                   |              |                             |      |
| 5231                                                                     | COMP+CAN  | (H)               | 12 LTG (ip)(A)   | (.035)                      | U A  | 3263                                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| <b>New Angle Beveling ; Clearfield, PA</b>                               |           |                   |                  |                             |      | 3264                                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| 5772                                                                     | COMPOSITE | 1/8               | 3.0 TTG          |                             | U A  | 3265                                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| 5774                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  | 3266                                                 | COMP+CAN  | 1/4               | 6.0 TTG      |                             | U A  |
| 5773                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  | 3267                                                 | COMP+CAN  | 5/16              | 8.0 TTG      |                             | U A  |
| 5775                                                                     | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  | 3268                                                 | COMP+CAN  | 3/8               | 10.0 TTG     |                             | U A  |
| 5776                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  | 3269                                                 | COMP+CAN  | 1/2               | 12.0 TTG     |                             | U A  |
| <b>New Angle Beveling ; Hyde, PA</b>                                     |           |                   |                  |                             |      | 3270                                                 | COMP+CAN  | 5/8               | 16.0 TTG     |                             | U A  |
| 4593                                                                     | COMPOSITE | 1/8               | 3.0 TTG          |                             | U A  | 3271                                                 | COMP+CAN  | 3/4               | 19.0 TTG     |                             | U A  |
| 4594                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  | 3272                                                 | COMP+CAN  | 1/8               | 3.0 TPG (m)  |                             | U A  |
| 4595                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  | 3273                                                 | COMP+CAN  | 5/32              | 4.0 TPG (d)  |                             | U A  |
| 4591                                                                     | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  | 3274                                                 | COMP+CAN  | 3/16              | 5.0 TPG (d)  |                             | U A  |
| 4592                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  | 3275                                                 | COMP+CAN  | 1/4               | 6.0 TPG (m)  |                             | U A  |
| <b>New Century Glass &amp; Aluminum LLC ; Woodside, NY</b>               |           |                   |                  |                             |      | 3262                                                 | COMP+CAN  | 3/8               | 10.0 TPG (d) |                             | U A  |
| 5455                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                             | U A  | <b>Oldcastle BuildingEnvelope® ; Concord, ON</b>     |           |                   |              |                             |      |
| 5456                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  | 3439                                                 | COMP+CAN  | 1/8               | 3.0 TTG      |                             | U A  |
| 5457                                                                     | COMPOSITE | 3/8               | 10.0 TTG         |                             | U A  | 3440                                                 | COMP+CAN  | 5/32              | 4.0 TTG      |                             | U A  |
| 5458                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                             | U A  | 3441                                                 | COMP+CAN  | 3/16              | 5.0 TTG      |                             | U A  |
| <b>Ningbo XinShuGuang Safety Glass Limited Co., Ltd. ; Ningbo, China</b> |           |                   |                  |                             |      | 3442                                                 | COMP+CAN  | 1/4               | 6.0 TTG      |                             | U A  |
| 5760                                                                     | COMPOSITE | 5/32              | 4.0 TTG          |                             | U A  | 3443                                                 | COMP+CAN  | 5/16              | 8.0 TTG      |                             | U A  |
| <b>Ningbo Xinxin Glass Technology Co., Ltd ; Ningbo, China</b>           |           |                   |                  |                             |      | 3444                                                 | COMP+CAN  | 3/8               | 10.0 TTG     |                             | U A  |
| 6271                                                                     | COMPOSITE | 5/32              | 4.0 TTG          |                             | U A  | 3445                                                 | COMP+CAN  | 1/2               | 12.0 TTG     |                             | U A  |
| 6272                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  | 3446                                                 | COMP+CAN  | 5/8               | 16.0 TTG     |                             | U A  |
| 6273                                                                     | COMPOSITE | 5/32              | 4.0 TPG (m)      |                             | U A  | 3447                                                 | COMP+CAN  | 3/4               | 19.0 TTG     |                             | U A  |
| 6274                                                                     | COMPOSITE | 1/4               | 6.0 TPG (s)      |                             | U A  | 4424                                                 | COMP+CAN  | 3/16              | 5.0 TPG (s)  |                             | U A  |
| <b>Northwestern Inds, Inc. ; Seattle, WA</b>                             |           |                   |                  |                             |      | 3448                                                 | COMP+CAN  | 3/8               | 10.0 TPG (s) |                             | U A  |
| 6435                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                             | U A  |                                                      |           |                   |              |                             |      |
| 6436                                                                     | COMPOSITE | 5/16              | 8.0 TTG          |                             | U A  |                                                      |           |                   |              |                             |      |
| 6437                                                                     | COMPOSITE | (S)               | 6 LTG (b)(A)     | (.030)                      | U A  |                                                      |           |                   |              |                             |      |
| 6438                                                                     | COMPOSITE | (H)               | 12 LTG (ip)(A)   | (.060)                      | U A  |                                                      |           |                   |              |                             |      |

## Certified Products-Alphabetical By Plant

| SGCC#                                              | TEST STD | INCHES<br>(THICKNESS<br>CLASS) | (MM) TYPE           | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                  | TEST STD | INCHES<br>(THICKNESS<br>CLASS) | (MM) TYPE           | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|----------------------------------------------------|----------|--------------------------------|---------------------|-----------------------------|------|--------------------------------------------------------|----------|--------------------------------|---------------------|-----------------------------|------|
| <b>Oldcastle BuildingEnvelope® ; Covington, GA</b> |          |                                |                     |                             |      | <b>Oldcastle BuildingEnvelope® ; Grand Prairie, TX</b> |          |                                |                     |                             |      |
| 3329                                               | COMP+CAN | 1/8                            | 3.0 TTG             |                             | U A  | 3250                                                   | COMP+CAN | 1/8                            | 3.0 TTG             |                             | U A  |
| 3330                                               | COMP+CAN | 5/32                           | 4.0 TTG             |                             | U A  | 3251                                                   | COMP+CAN | 5/32                           | 4.0 TTG             |                             | U A  |
| 3331                                               | COMP+CAN | 3/16                           | 5.0 TTG             |                             | U A  | 3252                                                   | COMP+CAN | 3/16                           | 5.0 TTG             |                             | U A  |
| 3332                                               | COMP+CAN | 1/4                            | 6.0 TTG             |                             | U A  | 3253                                                   | COMP+CAN | 1/4                            | 6.0 TTG             |                             | U A  |
| 3333                                               | COMP+CAN | 3/8                            | 10.0 TTG            |                             | U A  | 3255                                                   | COMP+CAN | 3/8                            | 10.0 TTG            |                             | U A  |
| 3334                                               | COMP+CAN | 1/2                            | 12.0 TTG            |                             | U A  | 3256                                                   | COMP+CAN | 1/2                            | 12.0 TTG            |                             | U A  |
| 4390                                               | COMP+CAN | 5/8                            | 16.0 TTG            |                             | U A  | 3257                                                   | COMP+CAN | 3/4                            | 19.0 TTG            |                             | U A  |
| 3335                                               | COMP+CAN | 3/4                            | 19.0 TTG            |                             | U A  | 3425                                                   | COMP+CAN | 1/8                            | 3.0 TPG (s)         |                             | U A  |
| 3336                                               | COMP+CAN | 1/8                            | 3.0 TPG (s)         |                             | U A  | 3426                                                   | COMP+CAN | 5/32                           | 4.0 TPG (IN)        |                             | U A  |
| 3338                                               | COMP+CAN | 3/16                           | 5.0 TPG (m)         |                             | U A  | 3427                                                   | COMP+CAN | 3/16                           | 5.0 TPG (s)         |                             | U A  |
| 3339                                               | COMP+CAN | 1/4                            | 6.0 TPG (m)         |                             | U A  | 3428                                                   | COMP+CAN | 3/8                            | 10.0 TPG (s)        |                             | U A  |
| 3340                                               | COMP+CAN | 3/8                            | 10.0 TPG (s)        |                             | U A  | 5459                                                   | COMP+CAN | (S)                            | 6 LTG (b)(A)        | (.030)                      | U A  |
| 4393                                               | COMP+CAN | (H)                            | 10-12 LTG (ip)(A)   | (.035)                      | U A  | <b>Oldcastle BuildingEnvelope® ; Hauppauge, NY</b>     |          |                                |                     |                             |      |
| 4392                                               | COMP+CAN | (H)                            | 10-16+ LTG (b)(A)   | (.030)                      | U A  | 1546                                                   | COMP+CAN | 1/8                            | 3.0 TTG             |                             | U A  |
| <b>Oldcastle BuildingEnvelope® ; Denver, CO</b>    |          |                                |                     |                             |      | 1547                                                   | COMP+CAN | 3/16                           | 5.0 TTG             |                             | U A  |
| 3310                                               | COMP+CAN | 1/8                            | 3.0 TTG             |                             | U A  | 1548                                                   | COMP+CAN | 1/4                            | 6.0 TTG             |                             | U A  |
| 3311                                               | COMP+CAN | 5/32                           | 4.0 TTG             |                             | U A  | 4180                                                   | COMP+CAN | 5/16                           | 8.0 TTG             |                             | U A  |
| 3312                                               | COMP+CAN | 3/16                           | 5.0 TTG             |                             | U A  | 1549                                                   | COMP+CAN | 3/8                            | 10.0 TTG            |                             | U A  |
| 3313                                               | COMP+CAN | 1/4                            | 6.0 TTG             |                             | U A  | 1550                                                   | COMP+CAN | 1/2                            | 12.0 TTG            |                             | U A  |
| 3314                                               | COMP+CAN | 3/8                            | 10.0 TTG            |                             | U A  | 4181                                                   | COMP+CAN | 5/8                            | 16.0 TTG            |                             | U A  |
| 3315                                               | COMP+CAN | 1/2                            | 12.0 TTG            |                             | U A  | 1551                                                   | COMP+CAN | 3/4                            | 19.0 TTG            |                             | U A  |
| 3317                                               | COMP+CAN | 1/8                            | 3.0 TPG (s)         |                             | U A  | 3492                                                   | COMP+CAN | 3/16                           | 5.0 TPG (d)         |                             | U A  |
| 3318                                               | COMP+CAN | 5/32                           | 4.0 TPG (d)         |                             | U A  | 3392                                                   | COMP+CAN | (S)                            | 6 LTG (b)(A)        | (.030)                      | U A  |
| 3319                                               | COMP+CAN | 3/16                           | 5.0 TPG (m)         |                             | U A  | 4618                                                   | COMP+CAN | (H)                            | 8-16+ LTG (b)(A)    | (.030)                      | U A  |
| 3320                                               | COMP+CAN | 1/4                            | 6.0 TPG (m)         |                             | U A  | 5355                                                   | COMP+CAN | (H)                            | 10-16+ LTG (ip)(A)  | (.060)                      | U A  |
| 3321                                               | COMP+CAN | 3/8                            | 10.0 TPG (m)        |                             | U A  | <b>Oldcastle BuildingEnvelope® ; Houston, TX</b>       |          |                                |                     |                             |      |
| 4533                                               | COMP+CAN | (S)                            | 6 LTG (b)(A)        | (.030)                      | U A  | 3156                                                   | COMP+CAN | 1/8                            | 3.0 TTG             |                             | U A  |
| 4454                                               | COMP+CAN | (H)                            | 8-16+ LTG (b)(A)    | (.030)                      | U A  | 3157                                                   | COMP+CAN | 5/32                           | 4.0 TTG             |                             | U A  |
| 6056                                               | COMP+CAN | (H)                            | 12, 19+ LTG (ip)(A) | (.060)                      | U A  | 3158                                                   | COMP+CAN | 3/16                           | 5.0 TTG             |                             | U A  |
| <b>Oldcastle BuildingEnvelope® ; Fremont, CA</b>   |          |                                |                     |                             |      | 3159                                                   | COMP+CAN | 1/4                            | 6.0 TTG             |                             | U A  |
| 3191                                               | COMP+CAN | 1/8                            | 3.0 TTG             |                             | U A  | 3160                                                   | COMP+CAN | 3/8                            | 10.0 TTG            |                             | U A  |
| 3192                                               | COMP+CAN | 5/32                           | 4.0 TTG             |                             | U A  | 3161                                                   | COMP+CAN | 1/2                            | 12.0 TTG            |                             | U A  |
| 3193                                               | COMP+CAN | 3/16                           | 5.0 TTG             |                             | U A  | 3164                                                   | COMP+CAN | 3/16                           | 5.0 TPG (m)         |                             | U A  |
| 3194                                               | COMP+CAN | 1/4                            | 6.0 TTG             |                             | U A  | 3166                                                   | COMP+CAN | 3/8                            | 10.0 TPG (s)        |                             | U A  |
| 5387                                               | COMP+CAN | 5/16                           | 8.0 TTG             |                             | U A  | 4402                                                   | COMP+CAN | (H)                            | 8-16+ LTG (b)(A)    | (.030)                      | U A  |
| 3195                                               | COMP+CAN | 3/8                            | 10.0 TTG            |                             | U A  | 6614                                                   | COMP+CAN | (H)                            | 10, 16+ LTG (ip)(A) | (.060)                      | U A  |
| 3196                                               | COMP+CAN | 1/2                            | 12.0 TTG            |                             | U A  | 4401                                                   | COMP+CAN | (H)                            | 12 LTG (ip)(A)      | (.090)                      | U A  |
| 4458                                               | COMP+CAN | 5/8                            | 16.0 TTG            |                             | U A  | <b>Oldcastle BuildingEnvelope® ; Indianapolis, IN</b>  |          |                                |                     |                             |      |
| 3197                                               | COMP+CAN | 3/4                            | 19.0 TTG            |                             | U A  | 2210                                                   | COMP+CAN | 1/8                            | 3.0 TTG             |                             | U A  |
| 3199                                               | COMP+CAN | 1/8                            | 3.0 TPG (s)         |                             | U A  | 2216                                                   | COMP+CAN | 5/32                           | 4.0 TTG             |                             | U A  |
| 3200                                               | COMP+CAN | 5/32                           | 4.0 TPG (d)         |                             | U A  | 2211                                                   | COMP+CAN | 3/16                           | 5.0 TTG             |                             | U A  |
| 3201                                               | COMP+CAN | 3/16                           | 5.0 TPG (m)         |                             | U A  | 2212                                                   | COMP+CAN | 1/4                            | 6.0 TTG             |                             | U A  |
| 3907                                               | COMP+CAN | 1/4                            | 6.0 TPG (m)         |                             | U A  | 2213                                                   | COMP+CAN | 3/8                            | 10.0 TTG            |                             | U A  |
| 3203                                               | COMP+CAN | 3/8                            | 10.0 TPG (m)        |                             | U A  | 2214                                                   | COMP+CAN | 1/2                            | 12.0 TTG            |                             | U A  |
| 6195                                               | COMP+CAN | (S)                            | 6 LTG (b)(A)        | (.030)                      | U A  | 4384                                                   | COMP+CAN | 1/8                            | 3.0 TPG (s)         |                             | U A  |
| 4461                                               | COMP+CAN | (H)                            | 8-16+ LTG (ip)(A)   | (.060)                      | U A  | 2215                                                   | COMP+CAN | 3/16                           | 5.0 TPG (s)         |                             | U A  |
| 4460                                               | COMP+CAN | (H)                            | 8-16+ LTG (b)(A)    | (.030)                      | U A  | 5442                                                   | COMP+CAN | 1/4                            | 6.0 TPG (d)         |                             | U A  |
|                                                    |          |                                |                     |                             |      | 3259                                                   | COMP+CAN | 3/8                            | 10.0 TPG (s)        |                             | U A  |

## 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® ; Langley, BC</b>     |          |                                |      |                   |                       |               | <b>Oldcastle BuildingEnvelope® ; Moorestown, NJ</b> |          |                                |      |                   |                       |               |
| 3286                                                 | COMP+CAN | 1/8                            |      | 3.0 TTG           |                       | U A           | 3180                                                | COMP+CAN | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 3287                                                 | COMP+CAN | 5/32                           |      | 4.0 TTG           |                       | U A           | 3181                                                | COMP+CAN | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 3288                                                 | COMP+CAN | 3/16                           |      | 5.0 TTG           |                       | U A           | 3182                                                | COMP+CAN | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 3289                                                 | COMP+CAN | 1/4                            |      | 6.0 TTG           |                       | U A           | 3183                                                | COMP+CAN | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 3290                                                 | COMP+CAN | 5/16                           |      | 8.0 TTG           |                       | U A           | 3184                                                | COMP+CAN | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 3291                                                 | COMP+CAN | 3/8                            |      | 10.0 TTG          |                       | U A           | 3185                                                | COMP+CAN | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 3292                                                 | COMP+CAN | 1/2                            |      | 12.0 TTG          |                       | U A           | 4054                                                | COMP+CAN | 5/8                            |      | 16.0 TTG          |                       | U A           |
| 3293                                                 | COMP+CAN | 5/8                            |      | 16.0 TTG          |                       | U A           | 3186                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)       |                       | U A           |
| 3294                                                 | COMP+CAN | 3/4                            |      | 19.0 TTG          |                       | U A           | 3187                                                | COMP+CAN | 5/32                           |      | 4.0 TPG (d)       |                       | U A           |
| 3295                                                 | COMP+CAN | 1/8                            |      | 3.0 TPG (m)       |                       | U A           | 3188                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (m)       |                       | U A           |
| 3296                                                 | COMP+CAN | 5/32                           |      | 4.0 TPG (d)       |                       | U A           | 3189                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (m)       |                       | U A           |
| 3297                                                 | COMP+CAN | 3/16                           |      | 5.0 TPG (d)       |                       | U A           | 3190                                                | COMP+CAN | 3/8                            |      | 10.0 TPG (s)      |                       | U A           |
| 4710                                                 | COMP+CAN | 3/8                            |      | 10.0 TPG (s)      |                       | U A           | <b>Oldcastle BuildingEnvelope® ; Perrysburg, OH</b> |          |                                |      |                   |                       |               |
| 4475                                                 | COMP+CAN | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U B           | 3233                                                | COMP+CAN | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 4476                                                 | COMP+CAN | (H)                            |      | 8-16+ LTG (b)(A)  | (.030)                | U B           | 3234                                                | COMP+CAN | 5/32                           |      | 4.0 TTG           |                       | U A           |
| <b>Oldcastle BuildingEnvelope® ; Los Angeles, CA</b> |          |                                |      |                   |                       |               | 3235                                                | COMP+CAN | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 1608                                                 | COMP+CAN | 1/8                            |      | 3.0 TTG           |                       | U A           | 3236                                                | COMP+CAN | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 1609                                                 | COMP+CAN | 5/32                           |      | 4.0 TTG           |                       | U A           | 4443                                                | COMP+CAN | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 630                                                  | COMP+CAN | 3/16                           |      | 5.0 TTG           |                       | U A           | 3237                                                | COMP+CAN | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 514                                                  | COMP+CAN | 1/4                            |      | 6.0 TTG           |                       | U A           | 3238                                                | COMP+CAN | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 4400                                                 | COMP+CAN | 5/16                           |      | 8.0 TTG           |                       | U A           | 3239                                                | COMP+CAN | 5/8                            |      | 16.0 TTG          |                       | U A           |
| 515                                                  | COMP+CAN | 3/8                            |      | 10.0 TTG          |                       | U A           | 3240                                                | COMP+CAN | 3/4                            |      | 19.0 TTG          |                       | U A           |
| 516                                                  | COMP+CAN | 1/2                            |      | 12.0 TTG          |                       | U A           | 3242                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)       |                       | U A           |
| 4387                                                 | COMP+CAN | 5/8                            |      | 16.0 TTG          |                       | U A           | 3243                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (s)       |                       | U A           |
| 2074                                                 | COMP+CAN | 3/4                            |      | 19.0 TTG          |                       | U A           | 3244                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (m)       |                       | U A           |
| 935                                                  | COMP+CAN | 3/16                           |      | 5.0 TPG (s)       |                       | U A           | 3245                                                | COMP+CAN | 3/8                            |      | 10.0 TPG (s)      |                       | U A           |
| 4133                                                 | COMP+CAN | 1/4                            |      | 6.0 TPG (s)       |                       | U A           | 4700                                                | COMP+CAN | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U A           |
| 3793                                                 | COMP+CAN | 3/8                            |      | 10.0 TPG (m)      |                       | U A           | 4444                                                | COMP+CAN | (H)                            |      | 8-16+ LTG (ip)(A) | (.060)                | U A           |
| 4346                                                 | COMP+CAN | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U A           | 4446                                                | COMP+CAN | (H)                            |      | 8-16+ LTG (b)(A)  | (.030)                | U A           |
| 5630                                                 | COMP+CAN | (S)                            |      | 6 LTG (ip)(A)     | (.035)                | U A           | <b>Oldcastle BuildingEnvelope® ; Phoenix, AZ</b>    |          |                                |      |                   |                       |               |
| 4563                                                 | COMP+CAN | (H)                            |      | 8-16+ LTG (b)(A)  | (.030)                | U A           | 3128                                                | COMP+CAN | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 4561                                                 | COMP+CAN | (H)                            |      | 8-16+ LTG (ip)(A) | (.035)                | U A           | 3130                                                | COMP+CAN | 3/16                           |      | 5.0 TTG           |                       | U A           |
| <b>Oldcastle BuildingEnvelope® ; Miami, FL</b>       |          |                                |      |                   |                       |               | 3131                                                | COMP+CAN | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 3496                                                 | COMP+CAN | 1/8                            |      | 3.0 TTG           |                       | U A           | 3132                                                | COMP+CAN | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 3497                                                 | COMP+CAN | 3/16                           |      | 5.0 TTG           |                       | U A           | 3133                                                | COMP+CAN | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 3498                                                 | COMP+CAN | 1/4                            |      | 6.0 TTG           |                       | U A           | 6394                                                | COMP+CAN | 3/4                            |      | 19.0 TTG          |                       | U A           |
| 3499                                                 | COMP+CAN | 3/8                            |      | 10.0 TTG          |                       | U A           | 3134                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)       |                       | U A           |
| 3500                                                 | COMP+CAN | 1/2                            |      | 12.0 TTG          |                       | U A           | 3136                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (m)       |                       | U A           |
| 3501                                                 | COMP+CAN | 1/8                            |      | 3.0 TPG (s)       |                       | U A           | 3999                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (m)       |                       | U A           |
| 3502                                                 | COMP+CAN | 3/16                           |      | 5.0 TPG (m)       |                       | U A           | 3729                                                | COMP+CAN | 3/8                            |      | 10.0 TPG (m)      |                       | U A           |
| 4477                                                 | COMP+CAN | 1/4                            |      | 6.0 TPG (d)       |                       | U A           | <b>Oldcastle BuildingEnvelope® ; Rock Hill, SC</b>  |          |                                |      |                   |                       |               |
| 3503                                                 | COMP+CAN | 3/8                            |      | 10.0 TPG (s)      |                       | U A           | 3276                                                | COMP+CAN | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 4397                                                 | COMP+CAN | (S)                            |      | 6 LTG (ip)(A)     | (.035)                | U A           | 3462                                                | COMP+CAN | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 4001                                                 | COMP+CAN | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U A           | 3277                                                | COMP+CAN | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 4398                                                 | COMP+CAN | (H)                            |      | 8-16+ LTG (b)(A)  | (.030)                | U A           | 3278                                                | COMP+CAN | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 4399                                                 | COMP+CAN | (H)                            |      | 8-16+ LTG (ip)(A) | (.035)                | U A           | 4787                                                | COMP+CAN | 5/16                           |      | 8.0 TTG (IN)      |                       | U A           |
|                                                      |          |                                |      |                   |                       |               | 3279                                                | COMP+CAN | 3/8                            |      | 10.0 TTG          |                       | U A           |
|                                                      |          |                                |      |                   |                       |               | 3280                                                | COMP+CAN | 1/2                            |      | 12.0 TTG          |                       | U A           |
|                                                      |          |                                |      |                   |                       |               | 3281                                                | COMP+CAN | 1/8                            |      | 3.0 TPG (s)       |                       | U A           |
|                                                      |          |                                |      |                   |                       |               | 4396                                                | COMP+CAN | 5/32                           |      | 4.0 TPG (d)       |                       | U A           |
|                                                      |          |                                |      |                   |                       |               | 3283                                                | COMP+CAN | 3/16                           |      | 5.0 TPG (d)       |                       | U A           |
|                                                      |          |                                |      |                   |                       |               | 3284                                                | COMP+CAN | 1/4                            |      | 6.0 TPG (d)       |                       | U A           |
|                                                      |          |                                |      |                   |                       |               | 3285                                                | COMP+CAN | 3/8                            |      | 10.0 TPG (d)      |                       | U A           |

## Certified Products-Alphabetical By Plant

| SGCC#                                              | TEST STD | INCHES<br>(THICKNESS<br>CLASS) | (MM) TYPE        | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                                    | TEST STD  | INCHES<br>(THICKNESS<br>CLASS) | (MM) TYPE         | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|----------------------------------------------------|----------|--------------------------------|------------------|-----------------------------|------|--------------------------------------------------------------------------|-----------|--------------------------------|-------------------|-----------------------------|------|
| <b>Oldcastle BuildingEnvelope® ; Schofield, WI</b> |          |                                |                  |                             |      | <b>Oldcastle BuildingEnvelope® ; Warrenton, MO</b>                       |           |                                |                   |                             |      |
| 3167                                               | COMP+CAN | 1/8                            | 3.0 TTG          |                             | U A  | 3144                                                                     | COMP+CAN  | 1/8                            | 3.0 TTG           |                             | U A  |
| 3168                                               | COMP+CAN | 5/32                           | 4.0 TTG          |                             | U A  | 3145                                                                     | COMP+CAN  | 5/32                           | 4.0 TTG           |                             | U A  |
| 3169                                               | COMP+CAN | 3/16                           | 5.0 TTG          |                             | U A  | 3146                                                                     | COMP+CAN  | 3/16                           | 5.0 TTG           |                             | U A  |
| 3170                                               | COMP+CAN | 1/4                            | 6.0 TTG          |                             | U A  | 3147                                                                     | COMP+CAN  | 1/4                            | 6.0 TTG           |                             | U A  |
| 3171                                               | COMP+CAN | 5/16                           | 8.0 TTG          |                             | U A  | 3796                                                                     | COMP+CAN  | 5/16                           | 8.0 TTG           |                             | U A  |
| 3172                                               | COMP+CAN | 3/8                            | 10.0 TTG         |                             | U A  | 3148                                                                     | COMP+CAN  | 3/8                            | 10.0 TTG          |                             | U A  |
| 3173                                               | COMP+CAN | 1/2                            | 12.0 TTG         |                             | U A  | 3149                                                                     | COMP+CAN  | 1/2                            | 12.0 TTG          |                             | U A  |
| 3177                                               | COMP+CAN | 5/32                           | 4.0 TPG (d)      |                             | U A  | 5904                                                                     | COMP+CAN  | 5/8                            | 16.0 TTG          |                             | U A  |
| 3178                                               | COMP+CAN | 3/16                           | 5.0 TPG (d)      |                             | U A  | 3151                                                                     | COMP+CAN  | 1/8                            | 3.0 TPG (s)       |                             | U A  |
| 3179                                               | COMP+CAN | 1/4                            | 6.0 TPG (d)      |                             | U A  | 3152                                                                     | COMP+CAN  | 5/32                           | 4.0 TPG (s)       |                             | U A  |
| 3176                                               | COMP+CAN | (S)                            | 6 LTG (b)(A)     | (.030)                      | U A  | 3153                                                                     | COMP+CAN  | 3/16                           | 5.0 TPG (m)       |                             | U A  |
| 4558                                               | COMP+CAN | (H)                            | 8-16+ LTG (b)(A) | (.030)                      | U A  | 3154                                                                     | COMP+CAN  | 1/4                            | 6.0 TPG (m)       |                             | U A  |
| <b>Oldcastle BuildingEnvelope® ; Shawnee, OK</b>   |          |                                |                  |                             |      | 3155                                                                     | COMP+CAN  | 3/8                            | 10.0 TPG (d)      |                             | U A  |
| 3095                                               | COMP+CAN | 1/8                            | 3.0 TTG          |                             | U A  | <b>Oldcastle BuildingEnvelope® ; Wright City, MO</b>                     |           |                                |                   |                             |      |
| 3096                                               | COMP+CAN | 5/32                           | 4.0 TTG          |                             | U A  | 3137                                                                     | COMP+CAN  | 1/8                            | 3.0 TTG           |                             | U A  |
| 3097                                               | COMP+CAN | 3/16                           | 5.0 TTG          |                             | U A  | 3138                                                                     | COMP+CAN  | 5/32                           | 4.0 TTG           |                             | U A  |
| 3098                                               | COMP+CAN | 1/4                            | 6.0 TTG          |                             | U A  | 3139                                                                     | COMP+CAN  | 3/16                           | 5.0 TTG           |                             | U A  |
| 3099                                               | COMP+CAN | 3/8                            | 10.0 TTG         |                             | U A  | 3140                                                                     | COMP+CAN  | 1/4                            | 6.0 TTG           |                             | U A  |
| 3100                                               | COMP+CAN | 1/2                            | 12.0 TTG         |                             | U A  | 3141                                                                     | COMP+CAN  | 5/16                           | 8.0 TTG           |                             | U A  |
| 3101                                               | COMP+CAN | 1/8                            | 3.0 TPG (m)      |                             | U A  | 3142                                                                     | COMP+CAN  | 3/8                            | 10.0 TTG          |                             | U A  |
| 3102                                               | COMP+CAN | 5/32                           | 4.0 TPG (m)      |                             | U A  | 3143                                                                     | COMP+CAN  | 1/2                            | 12.0 TTG          |                             | U A  |
| 3103                                               | COMP+CAN | 3/16                           | 5.0 TPG (m)      |                             | U A  | 4526                                                                     | COMP+CAN  | (S)                            | 6 LTG (b)(A)      | (.030)                      | U A  |
| <b>Oldcastle BuildingEnvelope® ; Tampa, FL</b>     |          |                                |                  |                             |      | 4528                                                                     | COMP+CAN  | (S)                            | 6 LTG (ip)(A)     | (.035)                      | U A  |
| 3116                                               | COMP+CAN | 1/8                            | 3.0 TTG          |                             | U A  | 4529                                                                     | COMP+CAN  | (H)                            | 8-16+ LTG (ip)(A) | (.035)                      | U A  |
| 3118                                               | COMP+CAN | 3/16                           | 5.0 TTG          |                             | U A  | 4527                                                                     | COMP+CAN  | (H)                            | 8-16+ LTG (b)(A)  | (.030)                      | U A  |
| 3119                                               | COMP+CAN | 1/4                            | 6.0 TTG          |                             | U A  | <b>Oldcastle BuildingEnvelope® Canada Inc. ; Pointe-aux-Trembles, QC</b> |           |                                |                   |                             |      |
| 3120                                               | COMP+CAN | 3/8                            | 10.0 TTG         |                             | U A  | 4247                                                                     | COMP+CAN  | 5/32                           | 4.0 TTG           |                             | U A  |
| 3121                                               | COMP+CAN | 1/2                            | 12.0 TTG         |                             | U A  | 1997                                                                     | COMP+CAN  | 3/16                           | 5.0 TTG           |                             | U A  |
| 3122                                               | COMP+CAN | 1/8                            | 3.0 TPG (s)      |                             | U A  | 2543                                                                     | COMP+CAN  | 1/4                            | 6.0 TTG           |                             | U A  |
| 3124                                               | COMP+CAN | 3/16                           | 5.0 TPG (m)      |                             | U A  | 2884                                                                     | COMP+CAN  | 5/16                           | 8.0 TTG           |                             | U A  |
| 3125                                               | COMP+CAN | 1/4                            | 6.0 TPG (m)      |                             | U A  | 2544                                                                     | COMP+CAN  | 3/8                            | 10.0 TTG          |                             | U A  |
| 4340                                               | COMP+CAN | 3/8                            | 10.0 TPG (s)     |                             | U A  | 2062                                                                     | COMP+CAN  | 1/2                            | 12.0 TTG          |                             | U A  |
| 4448                                               | COMP+CAN | (S)                            | 6 LTG (b)(A)     | (.030)                      | U A  | 2063                                                                     | COMP+CAN  | 5/8                            | 16.0 TTG          |                             | U A  |
| 4449                                               | COMP+CAN | (H)                            | 8-16+ LTG (b)(A) | (.030)                      | U A  | 2885                                                                     | COMP+CAN  | 3/4                            | 19.0 TTG          |                             | U A  |
| 5051                                               | COMP+CAN | (H)                            | 12 LTG (ip)(A)   | (.035)                      | U A  | 4432                                                                     | COMP+CAN  | (S)                            | 6 LTG (ip)(A)     | (.035)                      | U A  |
| <b>Oldcastle BuildingEnvelope® ; Vancouver, WA</b> |          |                                |                  |                             |      | 5025                                                                     | COMP+CAN  | (S)                            | 6 LTG (b)(A)      | (.030)                      | U A  |
| 3219                                               | COMP+CAN | 1/8                            | 3.0 TTG          |                             | U A  | 5024                                                                     | COMP+CAN  | (S)                            | 6 LTG (b)(A)      | (.015)(C1)                  | U B  |
| 3220                                               | COMP+CAN | 5/32                           | 4.0 TTG          |                             | U A  | 4433                                                                     | COMP+CAN  | (H)                            | 8-16+ LTG (ip)(A) | (.035)                      | U A  |
| 3221                                               | COMP+CAN | 3/16                           | 5.0 TTG          |                             | U A  | 4435                                                                     | COMP+CAN  | (H)                            | 8-16+ LTG (b)(A)  | (.030)                      | U A  |
| 3222                                               | COMP+CAN | 1/4                            | 6.0 TTG          |                             | U A  | <b>Paragon Tempered Glass ; Antwerp, OH</b>                              |           |                                |                   |                             |      |
| 3223                                               | COMP+CAN | 5/16                           | 8.0 TTG          |                             | U A  | 2684                                                                     | COMPOSITE | 1/8                            | 3.0 TTG           |                             | U A  |
| 3224                                               | COMP+CAN | 3/8                            | 10.0 TTG         |                             | U A  | 2685                                                                     | COMPOSITE | 5/32                           | 4.0 TTG           |                             | U A  |
| 3225                                               | COMP+CAN | 1/2                            | 12.0 TTG         |                             | U A  | 2686                                                                     | COMPOSITE | 3/16                           | 5.0 TTG           |                             | U A  |
| 3226                                               | COMP+CAN | 1/8                            | 3.0 TPG (s)      |                             | U A  | 2687                                                                     | COMPOSITE | 1/4                            | 6.0 TTG           |                             | U A  |
| 3227                                               | COMP+CAN | 5/32                           | 4.0 TPG (d)      |                             | U A  | 2688                                                                     | COMPOSITE | 3/8                            | 10.0 TTG          |                             | U A  |
| 3228                                               | COMP+CAN | 3/16                           | 5.0 TPG (m)      |                             | U A  | 5242                                                                     | COMPOSITE | 3/16                           | 5.0 TBG           |                             | U A  |
| 3229                                               | COMP+CAN | 1/4                            | 6.0 TPG (m)      |                             | U A  | 4811                                                                     | COMPOSITE | 1/4                            | 6.0 TBG           |                             | U A  |
| 3230                                               | COMP+CAN | 3/8                            | 10.0 TPG (m)     |                             | U A  | <b>Patio Enclosures ; Macedonia, OH</b>                                  |           |                                |                   |                             |      |
|                                                    |          |                                |                  |                             |      | 6022                                                                     | COMPOSITE | 1/8                            | 3.0 TTG           |                             | U A  |
|                                                    |          |                                |                  |                             |      | 2057                                                                     | COMPOSITE | 5/32                           | 4.0 TTG           |                             | U A  |
|                                                    |          |                                |                  |                             |      | <b>Pennsylvania Insulating Glass ; Lewistown, PA</b>                     |           |                                |                   |                             |      |
|                                                    |          |                                |                  |                             |      | 3918                                                                     | COMPOSITE | (S)                            | 5-6 LTG (b)(A)    | (.030)                      | U A  |

## Certified Products-Alphabetical By Plant

| SGCC#                                                              | TEST STD      | INCHES (MM)       | TYPE             | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                                                                       | TEST STD      | INCHES (MM)       | TYPE             | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|--------------------------------------------------------------------|---------------|-------------------|------------------|-----------------------------|------|-------------------------------------------------------------------------------------------------------------|---------------|-------------------|------------------|-----------------------------|------|
|                                                                    |               | (THICKNESS CLASS) |                  |                             |      |                                                                                                             |               | (THICKNESS CLASS) |                  |                             |      |
| <b>Perficom S.A. DE C.V. ; San Juan Del Rio, Queretaro, Mexico</b> |               |                   |                  |                             |      | <b>PRESS GLASS SA ; Radomsko, Poland</b>                                                                    |               |                   |                  |                             |      |
| 4512                                                               | COMPOSITE     | 1/8               | 3.0 TTG          |                             | U A  | 5845                                                                                                        | COMP+CAN      | 5/32              | 4.0 TTG          |                             | U A  |
| <b>PFG Glass ; Langley, BC</b>                                     |               |                   |                  |                             |      | 5846                                                                                                        | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  |
| 3538                                                               | COMP+CAN      | 1/8               | 3.0 TTG          |                             | U A  | 5847                                                                                                        | COMP+CAN      | 5/16              | 8.0 TTG          |                             | U A  |
| 3539                                                               | COMP+CAN      | 5/32              | 4.0 TTG          |                             | U A  | 5848                                                                                                        | COMP+CAN      | 3/8               | 10.0 TTG         |                             | U A  |
| 3540                                                               | COMP+CAN      | 3/16              | 5.0 TTG          |                             | U A  | 5849                                                                                                        | COMP+CAN      | 1/2               | 12.0 TTG         |                             | U A  |
| 3541                                                               | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  | 5850                                                                                                        | COMP+CAN      | *                 | 15.0 TTG (3)     |                             | U A  |
| 3542                                                               | COMP+CAN      | 5/16              | 8.0 TTG          |                             | U A  | 5851                                                                                                        | COMP+CAN      | (H)               | 8-16+ LTG (b)(A) | (.030)                      | U A  |
| 3543                                                               | COMP+CAN      | 3/8               | 10.0 TTG         |                             | U A  | <b>PRESS GLASS SA ; Tychy, Poland</b>                                                                       |               |                   |                  |                             |      |
| 3544                                                               | COMP+CAN      | 1/2               | 12.0 TTG         |                             | U A  | 5852                                                                                                        | COMP+CAN      | 5/32              | 4.0 TTG          |                             | U A  |
| 3547                                                               | COMP+CAN      | 1/8               | 3.0 TPG (s)      |                             | U A  | 6404                                                                                                        | COMP+CAN      | 3/16              | 5.0 TTG          |                             | U A  |
| 3548                                                               | COMP+CAN      | 5/32              | 4.0 TPG (d)      |                             | U A  | 5853                                                                                                        | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  |
| 3549                                                               | COMP+CAN      | 3/16              | 5.0 TPG (m)      |                             | U A  | 5854                                                                                                        | COMP+CAN      | 5/16              | 8.0 TTG          |                             | U A  |
| 3711                                                               | COMP+CAN      | 1/4               | 6.0 TPG (m)      |                             | U A  | 5855                                                                                                        | COMP+CAN      | 3/8               | 10.0 TTG         |                             | U A  |
| <b>PGT Industries ; Nokomis, FL</b>                                |               |                   |                  |                             |      | 5856                                                                                                        | COMP+CAN      | 1/2               | 12.0 TTG         |                             | U A  |
| 2389                                                               | COMPOSITE     | 1/8               | 3.0 TTG          |                             | U A  | 5857                                                                                                        | COMP+CAN      | *                 | 15.0 TTG (3)     |                             | U A  |
| 2390                                                               | COMPOSITE     | 3/16              | 5.0 TTG          |                             | U A  | 5858                                                                                                        | COMP+CAN      | (H)               | 8-16+ LTG (b)(A) | (.030)                      | U A  |
| 2391                                                               | COMPOSITE     | 1/4               | 6.0 TTG          |                             | U A  | <b>PRL Glass Systems ; City of Industry, CA</b>                                                             |               |                   |                  |                             |      |
| 3880                                                               | COMPOSITE     | 1/8               | 3.0 TPG (s)      |                             | U A  | 6508                                                                                                        | COMPOSITE     | 1/4               | 6.0 TTG          |                             | U A  |
| 3881                                                               | COMPOSITE     | 3/16              | 5.0 TPG (s)      |                             | U A  | 6448                                                                                                        | COMPOSITE     | (S)               | 6 LTG (b)(A)     | (.030)                      | U A  |
| 3482                                                               | COMPOSITE     | (H)               | 8-12 LTG (ip)(A) | (.090)                      | U A  | 5605                                                                                                        | COMPOSITE     | (H)               | 8-16+ LTG (b)(A) | (.030)                      | U A  |
| 2426                                                               | COMPOSITE     | (H)               | 8-12 LTG (b)(A)  | (.060)                      | U A  | <b>Productora y Distribuidora de Espejos S.A. de C.V. ;<br/>Pesqueria, Nuevo Leon</b>                       |               |                   |                  |                             |      |
| <b>Phoenicia Flat Glass Industries ; Nazaret, Ilit Israel</b>      |               |                   |                  |                             |      | 6517                                                                                                        | COMPOSITE     | 1/4               | 6.0 TTG          |                             | U A  |
| 5786                                                               | COMPOSITE (S) |                   | 6 LTG (b)(A)     | (.015)                      | U B  | 6518                                                                                                        | COMPOSITE     | 3/8               | 10.0 TTG         |                             | U A  |
| 5290                                                               | COMPOSITE (S) |                   | 6 LTG (b)(A)     | (.030)                      | U A  | <b>Productos De Valor Agregado en Cristal S.A. de C.V. ;<br/>San Juan Ixhuatepec, Tlalneapantla, Mexico</b> |               |                   |                  |                             |      |
| 5629                                                               | COMPOSITE (H) |                   | 8 LTG (b)(A)     | (.030)                      | U A  | 4639                                                                                                        | COMPOSITE     | 3/16              | 5.0 TTG          |                             | U A  |
| <b>Portland Glass Manufacturing ; Clackamas, OR</b>                |               |                   |                  |                             |      | 4645                                                                                                        | COMPOSITE     | 1/4               | 6.0 TTG          |                             | U A  |
| 6372                                                               | COMPOSITE     | 1/4               | 6.0 TTG          |                             | U A  | 4788                                                                                                        | COMPOSITE     | 5/16              | 8.0 TTG          |                             | U A  |
| 6373                                                               | COMPOSITE     | 3/8               | 10.0 TTG         |                             | U A  | 4640                                                                                                        | COMPOSITE     | 3/8               | 10.0 TTG         |                             | U A  |
| 6510                                                               | COMPOSITE     | 1/2               | 12.0 TTG         |                             | U A  | 4641                                                                                                        | COMPOSITE     | 1/2               | 12.0 TTG         |                             | U A  |
| <b>Prelco Inc. ; Riviere-du-loup, QC</b>                           |               |                   |                  |                             |      | 4642                                                                                                        | COMPOSITE     | 3/4               | 19.0 TTG         |                             | U A  |
| 2034                                                               | COMP+CAN      | 1/8               | 3.0 TTG          |                             | U A  | <b>Produits Verrier International Inc. ; Montreal, Quebec</b>                                               |               |                   |                  |                             |      |
| 2035                                                               | COMP+CAN      | 5/32              | 4.0 TTG          |                             | U A  | 5498                                                                                                        | COMP+CAN      | 1/8               | 3.0 TTG          |                             | U A  |
| 2713                                                               | COMP+CAN      | 3/16              | 5.0 TTG          |                             | U A  | 5499                                                                                                        | COMP+CAN      | 5/32              | 4.0 TTG          |                             | U A  |
| 2015                                                               | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  | 5500                                                                                                        | COMP+CAN      | 3/16              | 5.0 TTG          |                             | U A  |
| 2751                                                               | COMP+CAN      | 5/16              | 8.0 TTG          |                             | U A  | 5501                                                                                                        | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  |
| 2381                                                               | COMP+CAN      | 3/8               | 10.0 TTG         |                             | U A  | 5502                                                                                                        | COMP+CAN      | 3/8               | 10.0 TTG         |                             | U A  |
| 2048                                                               | COMP+CAN      | 1/2               | 12.0 TTG         |                             | U A  | 5503                                                                                                        | COMP+CAN      | 1/2               | 12.0 TTG         |                             | U A  |
| 5609                                                               | COMP+CAN      | 5/8               | 16.0 TTG         |                             | U A  | 5504                                                                                                        | COMP+CAN      | 1/8               | 3.0 TPG (s)      |                             | U A  |
| 4904                                                               | COMP+CAN      | 3/4               | 19.0 TTG         |                             | U A  | 5505                                                                                                        | COMP+CAN      | 3/16              | 5.0 TPG (s)      |                             | U A  |
| 4905                                                               | COMP+CAN (S)  |                   | 6 LTG (b)(A)     | (.030)                      | U A  | <b>PT Abebersa Pratama ; Bekasi, Indonesia</b>                                                              |               |                   |                  |                             |      |
| 4906                                                               | COMP+CAN (H)  |                   | 8-16+ LTG (b)(A) | (.030)                      | U A  | 3905                                                                                                        | COMPOSITE     | 5/32              | 4.0 TTG          |                             | U A  |
| <b>Prelco Inc. ; Saint-Jacques, NB</b>                             |               |                   |                  |                             |      | 3906                                                                                                        | COMPOSITE     | 3/16              | 5.0 TTG          |                             | U A  |
| 4911                                                               | COMP+CAN      | 1/8               | 3.0 TTG          |                             | U A  | <b>Pulp Studio Inc. ; Gardena, CA</b>                                                                       |               |                   |                  |                             |      |
| 4912                                                               | COMP+CAN      | 5/32              | 4.0 TTG          |                             | U A  | 6416                                                                                                        | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  |
| 4913                                                               | COMP+CAN      | 3/16              | 5.0 TTG          |                             | U A  | 4711                                                                                                        | COMP+CAN (H)  |                   | 8-16+ LTG (b)(A) | (.030)                      | U A  |
| 4914                                                               | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  | <b>Qingdao Jinjing Co., Ltd. ; Qingdao City, Shandong China</b>                                             |               |                   |                  |                             |      |
| 4915                                                               | COMP+CAN      | 5/16              | 8.0 TTG          |                             | U A  | 5613                                                                                                        | COMP+CAN      | 1/8               | 3.0 TTG          |                             | U A  |
| 4916                                                               | COMP+CAN      | 3/8               | 10.0 TTG         |                             | U A  | 5617                                                                                                        | COMP+CAN      | 5/32              | 4.0 TTG          |                             | U A  |
| 4917                                                               | COMP+CAN      | 1/2               | 12.0 TTG         |                             | U A  | 6198                                                                                                        | COMP+CAN      | 1/4               | 6.0 TTG          |                             | U A  |
| 5610                                                               | COMP+CAN      | 5/8               | 16.0 TTG         |                             | U A  | 6199                                                                                                        | COMP+CAN      | 3/8               | 10.0 TTG         |                             | U A  |
| 5611                                                               | COMP+CAN      | 3/4               | 19.0 TTG         |                             | U A  | <b>Qingdao Laurel Enterprise Co., Ltd. ; Qingdao City, China</b>                                            |               |                   |                  |                             |      |
|                                                                    |               |                   |                  |                             |      | 5689                                                                                                        | COMPOSITE (S) |                   | 6 LTG (b)(A)     | (.015)                      | U A  |



## Certified Products-Alphabetical By Plant

| SGCC#                                                                                            | TEST STD  | INCHES (MM)       | TYPE            | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                                                           | TEST STD  | INCHES (MM)       | TYPE              | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|--------------------------------------------------------------------------------------------------|-----------|-------------------|-----------------|-----------------------------|------|---------------------------------------------------------------------------------|-----------|-------------------|-------------------|-----------------------------|------|
|                                                                                                  |           | (THICKNESS CLASS) |                 |                             |      |                                                                                 |           | (THICKNESS CLASS) |                   |                             |      |
| <b>Qinhuangdao Ampac Building Products Co., Ltd. ;<br/>Qinhuangdao Hebei, China</b>              |           |                   |                 |                             |      | <b>Quality Glass &amp; Mirror, Inc. ; Mount Prospect, IL</b>                    |           |                   |                   |                             |      |
| 5899                                                                                             | COMPOSITE | 1/8               | 3.0 TTG         |                             | U A  | 2981                                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| 5900                                                                                             | COMPOSITE | 5/32              | 4.0 TTG         |                             | U A  | 2982                                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 5901                                                                                             | COMPOSITE | 3/16              | 5.0 TTG         |                             | U A  | 2983                                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 5902                                                                                             | COMPOSITE | 5/32              | 4.0 TPG (s)     |                             | U A  | 2984                                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| 5903                                                                                             | COMPOSITE | 3/16              | 5.0 TPG (s)     |                             | U A  | 3805                                                                            | COMPOSITE | 3/4               | 19.0 TTG          |                             | U A  |
| <b>Qinhuangdao Detai Tempered Glass Co., Ltd. ;<br/>Qinhuangdao, Hebei, China</b>                |           |                   |                 |                             |      | <b>Quest Window Systems ; Mississauga, ON</b>                                   |           |                   |                   |                             |      |
| 4156                                                                                             | COMPOSITE | 1/8               | 3.0 TTG         |                             | U A  | 5719                                                                            | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| <b>Qinhuangdao Jingxin Glass Co., Ltd. ; Qinhuangdao City,<br/>Hebei Province</b>                |           |                   |                 |                             |      | <b>Ready Glass &amp; Mirror, Inc. ; Hialeah, FL</b>                             |           |                   |                   |                             |      |
| 5280                                                                                             | COMPOSITE | 1/8               | 3.0 TTG         |                             | U A  | 3745                                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| <b>Qinhuangdao Kunping Safety Glass Co. Ltd. ;<br/>Qinhuangdao, Hebei, China</b>                 |           |                   |                 |                             |      | 3746                                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 3730                                                                                             | COMPOSITE | 1/8               | 3.0 TTG         |                             | U A  | 3747                                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| <b>Qinhuangdao Mingjingyuan Safety Technology Glass Co.,<br/>Ltd ; Qinhuangdao, Hebei, China</b> |           |                   |                 |                             |      | 3748                                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| 6313                                                                                             | COMP+CAN  | 1/4               | 6.0 TTG         |                             | U A  | 5634                                                                            | COMPOSITE | (H)               | 8-16+ LTG (ip)(A) | (.035)                      | U A  |
| 5129                                                                                             | COMP+CAN  | *                 | 12.0 TTG (3)    |                             | U A  | <b>Reem Emirates Aluminum &amp; Glass ; Abu Dhabi, United<br/>Arab Emirates</b> |           |                   |                   |                             |      |
| 5130                                                                                             | COMP+CAN  | *                 | 15.0 TTG (3)    |                             | U A  | 4675                                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| <b>Qinhuangdao Qicaishi Glass Processing Co., Ltd. ;<br/>Qinhuangdao, Hebei, China</b>           |           |                   |                 |                             |      | 4676                                                                            | COMPOSITE | 5/16              | 8.0 TTG           |                             | U A  |
| 5141                                                                                             | COMPOSITE | 1/8               | 3.0 TTG         |                             | U A  | 4677                                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| <b>QinHuangDao Tianrui Tempered Technology Glass Co. ;<br/>Qinhuangdao, Hebei, China</b>         |           |                   |                 |                             |      | <b>Right Away Glass, Inc. ; Naples, FL</b>                                      |           |                   |                   |                             |      |
| 3690                                                                                             | COMPOSITE | 1/8               | 3.0 TTG         |                             | U A  | 6513                                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| <b>Quaker Window Products, Inc. ; Freeburg, MO</b>                                               |           |                   |                 |                             |      | 6514                                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 2985                                                                                             | COMP+CAN  | 1/8               | 3.0 TTG         |                             | U A  | 6515                                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| 5297                                                                                             | COMP+CAN  | 5/32              | 4.0 TTG         |                             | U A  | <b>Rizhao Huaye Glass Co., Ltd. ; Rizhao, Shandong</b>                          |           |                   |                   |                             |      |
| 2986                                                                                             | COMP+CAN  | 3/16              | 5.0 TTG         |                             | U A  | 5566                                                                            | COMP+CAN  | 5/32              | 4.0 TTG           |                             | U A  |
| 3485                                                                                             | COMP+CAN  | 1/4               | 6.0 TTG         |                             | U A  | 5567                                                                            | COMP+CAN  | 3/16              | 5.0 TTG           |                             | U A  |
| 2968                                                                                             | COMP+CAN  | 1/8               | 3.0 TPG (m)     |                             | U A  | 5568                                                                            | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| 2969                                                                                             | COMP+CAN  | 5/32              | 4.0 TPG (IN)(m) |                             | U A  | 5569                                                                            | COMP+CAN  | 5/16              | 8.0 TTG           |                             | U A  |
| 3486                                                                                             | COMP+CAN  | 3/16              | 5.0 TPG (m)     |                             | U A  | 5570                                                                            | COMP+CAN  | 3/8               | 10.0 TTG          |                             | U A  |
| 2970                                                                                             | COMP+CAN  | 1/4               | 6.0 TPG (IN)(m) |                             | U A  | 5571                                                                            | COMP+CAN  | 1/2               | 12.0 TTG          |                             | U A  |
| <b>Quality Enclosures ; Central Islip, NY</b>                                                    |           |                   |                 |                             |      | 5572                                                                            | COMP+CAN  | 5/8               | 15.0 TTG          |                             | U A  |
| 6440                                                                                             | COMP+CAN  | 3/16              | 5.0 TTG         |                             | U A  | 5580                                                                            | COMP+CAN  | (S)               | 6 LTG (b)(A)      | (.015)                      | U B  |
| 6441                                                                                             | COMP+CAN  | 1/4               | 6.0 TTG         |                             | U A  | 5581                                                                            | COMP+CAN  | (H)               | 8-16 LTG (b)(A)   | (.015)                      | U B  |
| 6442                                                                                             | COMP+CAN  | 3/8               | 10.0 TTG        |                             | U A  | <b>Robover Inc. ; Quebec City, QC</b>                                           |           |                   |                   |                             |      |
| 6443                                                                                             | COMP+CAN  | 1/2               | 12.0 TTG        |                             | U A  | 5199                                                                            | COMP+CAN  | 1/8               | 3.0 TTG           |                             | U A  |
| 6444                                                                                             | COMP+CAN  | 3/16              | 5.0 TPG (s)     |                             | U A  | 5200                                                                            | COMP+CAN  | 5/32              | 4.0 TTG           |                             | U A  |
| 6445                                                                                             | COMP+CAN  | 1/4               | 6.0 TPG (m)     |                             | U A  | 5201                                                                            | COMP+CAN  | 3/16              | 5.0 TTG           |                             | U A  |
| 6446                                                                                             | COMP+CAN  | 3/8               | 10.0 TPG (m)    |                             | U A  | 5202                                                                            | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| <b>Quality Enclosures Tempering, Inc. ; Port Orange, FL</b>                                      |           |                   |                 |                             |      | 5763                                                                            | COMP+CAN  | 3/8               | 10.0 TTG          |                             | U A  |
| 6243                                                                                             | COMPOSITE | 3/16              | 5.0 TTG         |                             | U A  | 5764                                                                            | COMP+CAN  | 1/2               | 12.0 TTG          |                             | U A  |
| 6244                                                                                             | COMPOSITE | 1/4               | 6.0 TTG         |                             | U A  | <b>S.F. Tempering ; Dania Beach, FL</b>                                         |           |                   |                   |                             |      |
| 6245                                                                                             | COMPOSITE | 3/8               | 10.0 TTG        |                             | U A  | 5452                                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| 6246                                                                                             | COMPOSITE | 1/2               | 12.0 TTG        |                             | U A  | 5019                                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 6247                                                                                             | COMPOSITE | 3/16              | 5.0 TPG (m)     |                             | U A  | 5020                                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 6248                                                                                             | COMPOSITE | 1/4               | 6.0 TPG (s)     |                             | U A  | 5021                                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| 6249                                                                                             | COMPOSITE | 3/8               | 10.0 TPG (s)    |                             | U A  | <b>SAAND London ; London, ON Canada</b>                                         |           |                   |                   |                             |      |
|                                                                                                  |           |                   |                 |                             |      | 3978                                                                            | COMP+CAN  | 1/8               | 3.0 TTG           |                             | U A  |
|                                                                                                  |           |                   |                 |                             |      | 4278                                                                            | COMP+CAN  | 5/32              | 4.0 TTG           |                             | U A  |
|                                                                                                  |           |                   |                 |                             |      | 3979                                                                            | COMP+CAN  | 3/16              | 5.0 TTG           |                             | U A  |
|                                                                                                  |           |                   |                 |                             |      | 3980                                                                            | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
|                                                                                                  |           |                   |                 |                             |      | 3981                                                                            | COMP+CAN  | 3/8               | 10.0 TTG          |                             | U A  |

## 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 Ottawa ; Stittsville, ON</b>                                   |           |                                |      |                  |                       |               | <b>SCHOTT Gemtron - Sweetwater ; Sweetwater, TN</b>                   |           |                                |      |                   |                       |               |
| 4949                                                                    | COMP+CAN  | 1/8                            |      | 3.0 TTG          |                       | U A           | 1334                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 4950                                                                    | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | U A           | 1332                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 4951                                                                    | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | U A           | 1201                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 4952                                                                    | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           | 1477                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 4953                                                                    | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | U A           | 1422                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TPG (s)       |                       | U A           |
| 4954                                                                    | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | U A           | 1424                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TPG (s)       |                       | U A           |
| <b>SAAND Rexdale ; Rexdale, ON</b>                                      |           |                                |      |                  |                       |               | <b>SCHOTT Gemtron (Canada) Corporation ; Midland, ON<br/>Canada</b>   |           |                                |      |                   |                       |               |
| 4995                                                                    | COMP+CAN  | 1/8                            |      | 3.0 TTG          |                       | U A           | 3067                                                                  | COMP+CAN  | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 4996                                                                    | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | U A           | 3659                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 4997                                                                    | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | U A           | 3636                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 4998                                                                    | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           | 3637                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 4999                                                                    | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | U A           | 6020                                                                  | COMP+CAN  | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 5000                                                                    | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | U A           | 6021                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 5008                                                                    | COMP+CAN  | 5/8                            |      | 15.0 TTG (3)     |                       | U A           | <b>Sfera SRL ; Meolo (VE), Italy</b>                                  |           |                                |      |                   |                       |               |
| 5001                                                                    | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)     | (.030)                | U A           | 6079                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TBG           |                       | U A           |
| 5002                                                                    | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A) | (.030)                | U A           | <b>SG Glass Industries L.L.C. ; Miami Gardens, FL</b>                 |           |                                |      |                   |                       |               |
| <b>SAAND Toronto ; Toronto, ON Canada</b>                               |           |                                |      |                  |                       |               | 6359                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 2481                                                                    | COMP+CAN  | 1/8                            |      | 3.0 TTG          |                       | U A           | 6360                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 2482                                                                    | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | U A           | 6361                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 3023                                                                    | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | U A           | 6362                                                                  | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 2484                                                                    | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           | 6363                                                                  | COMP+CAN  | 3/4                            |      | 19.0 TTG          |                       | U A           |
| 4356                                                                    | COMP+CAN  | 5/16                           |      | 8.0 TTG          |                       | U A           | 6356                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TBG           |                       | U A           |
| 4357                                                                    | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | U A           | 6357                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TBG           |                       | U A           |
| 4358                                                                    | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | U A           | 6358                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TBG          |                       | U A           |
| <b>Saand Webster ; Webster, MA</b>                                      |           |                                |      |                  |                       |               | <b>Shandong Kingtom Glass Co., Ltd. ; Qingdao, Shandong<br/>China</b> |           |                                |      |                   |                       |               |
| 300                                                                     | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | U A           | 6460                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 1607                                                                    | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | U A           | 6461                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 1216                                                                    | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | U A           | 6462                                                                  | COMP+CAN  | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 662                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           | 6463                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 471                                                                     | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | U A           | <b>Shanghai SYP Building Glass ; Shanghai, China</b>                  |           |                                |      |                   |                       |               |
| 1235                                                                    | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | U A           | 4353                                                                  | COMPOSITE | (H)                            |      | 8 LTG (b)(A)      | (.030)                | U A           |
| 3604                                                                    | COMPOSITE | 1/8                            |      | 3.0 TPG (m)      |                       | U A           | 4807                                                                  | COMPOSITE | (H)                            |      | 8-16+ LTG (ip)(A) | (.035)                | U A           |
| 2451                                                                    | COMPOSITE | 5/32                           |      | 4.0 TPG (s)      |                       | U A           | 2780                                                                  | COMPOSITE | (H)                            |      | 10-16+ LTG (b)(A) | (.015)                | U B           |
| 2603                                                                    | COMPOSITE | 3/16                           |      | 5.0 TPG (m)      |                       | U A           | <b>Shanghai SYP Engineering Glass ; Shanghai, China</b>               |           |                                |      |                   |                       |               |
| 3024                                                                    | COMPOSITE | 7/32                           |      | 5.6 TPG (m)      |                       | U A           | 4067                                                                  | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
| <b>SAGE Electrochromics Inc. ; Faribault, MN</b>                        |           |                                |      |                  |                       |               | 4068                                                                  | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 5016                                                                    | COMP+CAN  | (H)                            |      | 8-12 LSP (ip)(A) | (.035)                | U A           | 4069                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| <b>Saint Gobain Mexico, S.A. de C.V. ; Cuautla, Morelos,<br/>Mexico</b> |           |                                |      |                  |                       |               | 4070                                                                  | COMP+CAN  | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 5907                                                                    | COMPOSITE | (S)                            |      | 6 LTG (b)(A)     | (.030)                | U A           | 4071                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 5905                                                                    | COMPOSITE | (S)                            |      | 6 LTG (b)(A)     | (.015)                | U B           | 4072                                                                  | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 5908                                                                    | COMPOSITE | (H)                            |      | 8 LTG (b)(A)     | (.030)                | U A           | 4073                                                                  | COMP+CAN  | *                              |      | 15.0 TTG (3)      |                       | U A           |
| 5906                                                                    | COMPOSITE | (H)                            |      | 8 LTG (b)(A)     | (.015)                | U B           | 4074                                                                  | COMP+CAN  | 3/4                            |      | 19.0 TTG          |                       | U A           |
| 5909                                                                    | COMPOSITE | (H)                            |      | 10-12 LTG (b)(A) | (.090)                | U A           | <b>Shanghai Zhenzhen Glassware Co., LTD. ; Shanghai,<br/>China</b>    |           |                                |      |                   |                       |               |
| <b>Sanshiba ; Takaoka, Toyama</b>                                       |           |                                |      |                  |                       |               | 6125                                                                  | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 6551                                                                    | COMPOSITE | (H)                            |      | 12 LTG (b)(A)    | (.060)                | U A           | 6126                                                                  | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 6667                                                                    | COMPOSITE | (H)                            |      | 12 LTG (ev)(A)   | (.060)                | U A           | <b>Saudi American Glass Company ; Riyadh, Saudi Arabia</b>            |           |                                |      |                   |                       |               |
| <b>Saudi American Glass Company ; Riyadh, Saudi Arabia</b>              |           |                                |      |                  |                       |               | 6192                                                                  | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 6192                                                                    | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           | 6193                                                                  | COMPOSITE | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 6193                                                                    | COMPOSITE | 5/16                           |      | 8.0 TTG          |                       | U A           |                                                                       |           |                                |      |                   |                       |               |

## Certified Products-Alphabetical By Plant

| SGCC#                                                           | TEST STD  | INCHES (MM)       | TYPE              | MAX SIZE<br>CERTIFIED CLASS | ANSI | SGCC#                                              | TEST STD  | INCHES (MM)       | TYPE              | MAX SIZE<br>CERTIFIED CLASS | ANSI |
|-----------------------------------------------------------------|-----------|-------------------|-------------------|-----------------------------|------|----------------------------------------------------|-----------|-------------------|-------------------|-----------------------------|------|
|                                                                 |           | (THICKNESS CLASS) |                   |                             |      |                                                    |           | (THICKNESS CLASS) |                   |                             |      |
| <b>Shape Products LLC. ; Sarasota, FL</b>                       |           |                   |                   |                             |      | <b>Skyline Design ; Chicago, IL</b>                |           |                   |                   |                             |      |
| 6502                                                            | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  | 6339                                               | COMP+CAN  | 5/32              | 4.0 TTG           |                             | U A  |
| 6503                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | 6340                                               | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| 6504                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  | 6341                                               | COMP+CAN  | 5/16              | 8.0 TTG           |                             | U A  |
| 6505                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  | 6342                                               | COMP+CAN  | 3/8               | 10.0 TTG          |                             | U A  |
| 6506                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  | 6343                                               | COMP+CAN  | 1/2               | 12.0 TTG          |                             | U A  |
| 6507                                                            | COMPOSITE | 3/16              | 5.0 TPG (s)       |                             | U A  | 6344                                               | COMP+CAN  | 5/8               | 16.0 TTG          |                             | U A  |
| <b>Shixing Glass (Fujian) Co., Ltd. ; Kowloon Bay, Hongkong</b> |           |                   |                   |                             |      | 6345                                               | COMP+CAN  | 3/4               | 19.0 TTG          |                             | U A  |
| 6485                                                            | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  | 6346                                               | COMP+CAN  | 5/32              | 4.0 TPG (s)       |                             | U A  |
| 6486                                                            | COMPOSITE | 5/32              | 4.0 TTG           |                             | U A  | 6347                                               | COMP+CAN  | 1/4               | 6.0 TPG (s)       |                             | U A  |
| 6487                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | 6348                                               | COMP+CAN  | 5/16              | 8.0 TPG (s)       |                             | U A  |
| 6488                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  | 6349                                               | COMP+CAN  | 3/8               | 10.0 TPG (s)      |                             | U A  |
| 6489                                                            | COMPOSITE | 5/16              | 8.0 TTG           |                             | U A  | 6350                                               | COMP+CAN  | 1/2               | 12.0 TPG (s)      |                             | U A  |
| 6490                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  | 6351                                               | COMP+CAN  | 5/8               | 16.0 TPG (s)      |                             | U A  |
| 6491                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  | 6352                                               | COMP+CAN  | 3/4               | 19.0 TPG (s)      |                             | U A  |
| 6492                                                            | COMPOSITE | *                 | 15.0 TTG (3)      |                             | U A  | <b>Solar Seal Connecticut ; Hamden, CT</b>         |           |                   |                   |                             |      |
| 6493                                                            | COMPOSITE | 3/4               | 19.0 TTG          |                             | U A  | 6308                                               | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  |
| <b>Shower Doors &amp; More Inc. ; Fort Lauderdale, FL</b>       |           |                   |                   |                             |      | 6309                                               | COMPOSITE | 5/32              | 4.0 TTG           |                             | U A  |
| 5756                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | 6310                                               | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| 5757                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  | 4523                                               | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 5758                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  | 6311                                               | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 5759                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  | 6312                                               | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| <b>Sierra Glass Distributors ; Sparks, NV</b>                   |           |                   |                   |                             |      | 6307                                               | COMPOSITE | 3/16              | 5.0 TPG (s)       |                             | U A  |
| 6182                                                            | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  | <b>Solar Seal Massachusetts ; South Easton, MA</b> |           |                   |                   |                             |      |
| 6186                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | 3001                                               | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  |
| <b>SIGCO, Inc. ; Westbrook, ME</b>                              |           |                   |                   |                             |      | 1871                                               | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| 2961                                                            | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  | 1035                                               | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 2962                                                            | COMPOSITE | 5/32              | 4.0 TTG           |                             | U A  | 1036                                               | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 2963                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | 1037                                               | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| 2964                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  | 5527                                               | COMPOSITE | 3/4               | 19.0 TTG          |                             | U A  |
| 5213                                                            | COMPOSITE | 5/16              | 8.0 TTG           |                             | U A  | 1939                                               | COMPOSITE | 3/16              | 5.0 TPG (s)       |                             | U A  |
| 2965                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  | <b>Solar Seal Virginia ; Stafford, VA</b>          |           |                   |                   |                             |      |
| 2966                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  | 5722                                               | COMPOSITE | 5/32              | 4.0 TTG           |                             | U A  |
| 4326                                                            | COMPOSITE | 5/8               | 16.0 TTG          |                             | U A  | 5723                                               | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  |
| 4327                                                            | COMPOSITE | 3/4               | 19.0 TTG          |                             | U A  | 5724                                               | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 2967                                                            | COMPOSITE | 5/32              | 4.0 TPG (s)       |                             | U A  | 5725                                               | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 3028                                                            | COMPOSITE | 3/16              | 5.0 TPG (m)       |                             | U A  | 5726                                               | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
| 4206                                                            | COMPOSITE | 3/8               | 10.0 TPG (s)      |                             | U A  | 6328                                               | COMPOSITE | 3/16              | 5.0 TPG (s)       |                             | U A  |
| 6012                                                            | COMP+CAN  | (S)               | 6 LTG (b)(A)      | (.030)                      | U A  | <b>Standard Bent Glass ; East Butler, PA</b>       |           |                   |                   |                             |      |
| 6013                                                            | COMP+CAN  | (H)               | 8-16+ LTG (b)(A)  | (.030)                      | U A  | 6300                                               | COMP+CAN  | 3/16              | 5.0 TTG           |                             | U A  |
| 6014                                                            | COMP+CAN  | (H)               | 8-16+ LTG (ip)(A) | (.060)                      | U A  | 6301                                               | COMP+CAN  | 1/4               | 6.0 TTG           |                             | U A  |
| <b>Simonton Windows ; Ellenboro, WV</b>                         |           |                   |                   |                             |      | 6302                                               | COMP+CAN  | 5/16              | 8.0 TTG           |                             | U A  |
| 2887                                                            | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  | 6303                                               | COMP+CAN  | 3/8               | 10.0 TTG          |                             | U A  |
| 2888                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | 6304                                               | COMP+CAN  | 1/2               | 12.0 TTG          |                             | U A  |
| 5296                                                            | COMPOSITE | 1/8               | 3.0 TPG (s)       |                             | U A  | 6153                                               | COMP+CAN  | 1/4               | 6.0 TBG           |                             | U A  |
| <b>Simonton Windows ; Paris, IL</b>                             |           |                   |                   |                             |      | 6154                                               | COMP+CAN  | 5/16              | 8.0 TBG           |                             | U A  |
| 4979                                                            | COMPOSITE | 1/8               | 3.0 TTG           |                             | U A  | 6155                                               | COMP+CAN  | 3/8               | 10.0 TBG          |                             | U A  |
| 4978                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | 6156                                               | COMP+CAN  | 1/2               | 12.0 TBG          |                             | U A  |
| 5295                                                            | COMPOSITE | 1/8               | 3.0 TPG (s)       |                             | U A  | 6305                                               | COMP+CAN  | (S)               | 6 LTG (b)(A)      | (.030)                      | U A  |
| <b>Sky Land Tempering Glass Corp ; Long Island City, NY</b>     |           |                   |                   |                             |      | 6306                                               | COMP+CAN  | (H)               | 10-16+ LTG (b)(A) | (.030)                      | U A  |
| 5467                                                            | COMPOSITE | 3/16              | 5.0 TTG           |                             | U A  | <b>Stargrup Cam A.S. ; Arnavutkoy, Istanbul</b>    |           |                   |                   |                             |      |
| 5468                                                            | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  | 6204                                               | COMPOSITE | 1/4               | 6.0 TTG           |                             | U A  |
| 5469                                                            | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  | 6205                                               | COMPOSITE | 3/8               | 10.0 TTG          |                             | U A  |
| 5470                                                            | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  | 6206                                               | COMPOSITE | 1/2               | 12.0 TTG          |                             | U A  |
|                                                                 |           |                   |                   |                             |      | 6207                                               | COMPOSITE | (H)               | 12-16+ LTG (b)(A) | (.030)                      | U A  |
|                                                                 |           |                   |                   |                             |      | 6208                                               | COMPOSITE | (H)               | 12-16+ LTG (b)(A) | (.060)                      | U A  |

## 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>Sterling Mirror Company, LLC ; Stevensville, MD</b>                   |           |                                |      |                       |                       |               | <b>Taiwan Glass Industry Corp. ; Taipei, Taiwan, China</b>                 |           |                                |      |                   |                       |               |
| 6183                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TTG               |                       | U A           | 3886                                                                       | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 6184                                                                     | COMP+CAN  | 3/8                            |      | 10.0 TTG              |                       | U A           | 3887                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 6185                                                                     | COMP+CAN  | 1/2                            |      | 12.0 TTG              |                       | U A           | 3888                                                                       | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| <b>Strong Tempering Glass Industry LLC ; Brooklyn, NY</b>                |           |                                |      |                       |                       |               | 3889                                                                       | COMP+CAN  | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 5939                                                                     | COMPOSITE | 3/16                           |      | 5.0 TTG               |                       | U A           | 3890                                                                       | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 5940                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG               |                       | U A           | 3891                                                                       | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 5942                                                                     | COMPOSITE | 3/8                            |      | 10.0 TTG              |                       | U A           | 5490                                                                       | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U A           |
| 5941                                                                     | COMPOSITE | 1/2                            |      | 12.0 TTG              |                       | U A           | 3893                                                                       | COMP+CAN  | (H)                            |      | 12 LTG (b)(A)     | (.030)                | U A           |
| <b>Swift Glass Co., Inc. ; Elmira Heights, NY</b>                        |           |                                |      |                       |                       |               | <b>Techni-Glass, Inc. ; Surgovinsville, TN</b>                             |           |                                |      |                   |                       |               |
| 1555                                                                     | COMPOSITE | 1/8                            |      | 3.0 TTG               |                       | U A           | 2547                                                                       | COMP+CAN  | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 1556                                                                     | COMPOSITE | 3/16                           |      | 5.0 TTG               |                       | U A           | 2548                                                                       | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 1557                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG               |                       | U A           | 2549                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 1558                                                                     | COMPOSITE | 3/8                            |      | 10.0 TTG              |                       | U A           | 2975                                                                       | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 1559                                                                     | COMPOSITE | 1/2                            |      | 12.0 TTG              |                       | U A           | 3062                                                                       | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| <b>Syracuse Glass Co., Inc. ; Syracuse, NY</b>                           |           |                                |      |                       |                       |               | 4509                                                                       | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 2654                                                                     | COMP+CAN  | 1/8                            |      | 3.0 TTG               |                       | U A           | 4510                                                                       | COMP+CAN  | 5/8                            |      | 16.0 TTG          |                       | U A           |
| 2957                                                                     | COMP+CAN  | 3/16                           |      | 5.0 TTG               |                       | U A           | 3061                                                                       | COMP+CAN  | 1/8                            |      | 3.0 TPG (m)       |                       | U A           |
| 2656                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TTG               |                       | U A           | 5050                                                                       | COMP+CAN  | 5/32                           |      | 4.0 TPG (m)       |                       | U A           |
| 2958                                                                     | COMP+CAN  | 3/8                            |      | 10.0 TTG              |                       | U A           | 2550                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TPG (m)       |                       | U A           |
| 2657                                                                     | COMP+CAN  | 1/2                            |      | 12.0 TTG              |                       | U A           | 3060                                                                       | COMP+CAN  | 1/4                            |      | 6.0 TPG (m)       |                       | U A           |
| 6391                                                                     | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)          | (.030)                | U A           | <b>Tecnoglass S.A. ; Barranquilla, Colombia</b>                            |           |                                |      |                   |                       |               |
| 6393                                                                     | COMP+CAN  | (H)                            |      | 8-12, 20+ LTG (ip)(A) | (.060)                | U A           | 2133                                                                       | COMP+CAN  | 1/8                            |      | 3.0 TTG           |                       | U A           |
| 6392                                                                     | COMP+CAN  | (H)                            |      | 8-12, 20+ LTG (b)(A)  | (.030)                | U A           | 2287                                                                       | COMP+CAN  | 5/32                           |      | 4.0 TTG           |                       | U A           |
| <b>Tacoma Glass Mfg. Inc. ; Burlington, WA</b>                           |           |                                |      |                       |                       |               | 1993                                                                       | COMP+CAN  | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 5165                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG               |                       | U A           | 1994                                                                       | COMP+CAN  | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 5166                                                                     | COMPOSITE | 3/8                            |      | 10.0 TTG              |                       | U A           | 2134                                                                       | COMP+CAN  | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 5167                                                                     | COMPOSITE | 1/2                            |      | 12.0 TTG              |                       | U A           | 1995                                                                       | COMP+CAN  | 3/8                            |      | 10.0 TTG          |                       | U A           |
| <b>Tacoma Glass Mfg. Inc. ; Lakewood, WA</b>                             |           |                                |      |                       |                       |               | 2135                                                                       | COMP+CAN  | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 4730                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG               |                       | U A           | 2365                                                                       | COMP+CAN  | 5/8                            |      | 16.0 TTG          |                       | U A           |
| 4731                                                                     | COMPOSITE | 3/8                            |      | 10.0 TTG              |                       | U A           | 2894                                                                       | COMP+CAN  | 3/4                            |      | 19.0 TTG          |                       | U A           |
| 4732                                                                     | COMPOSITE | 1/2                            |      | 12.0 TTG              |                       | U A           | 4003                                                                       | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A)  | (.030)                | U A           |
| 5112                                                                     | COMPOSITE | (S)                            |      | 6 LTG (b)(A)          | (.030)                | U A           | <b>Tempco Glass ; Flushing, NY</b>                                         |           |                                |      |                   |                       |               |
| 4735                                                                     | COMPOSITE | (H)                            |      | 8-12 LTG (b)(A)       | (.030)                | U A           | 5010                                                                       | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           |
| <b>Tai Shan City Da Heng Art Glass Ltd. ; Tai Shan, Guangdong, China</b> |           |                                |      |                       |                       |               | 5011                                                                       | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 3787                                                                     | COMPOSITE | 1/8                            |      | 3.0 TTG               |                       | U A           | 5012                                                                       | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 3788                                                                     | COMPOSITE | 5/32                           |      | 4.0 TTG               |                       | U A           | 5013                                                                       | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 3789                                                                     | COMPOSITE | 3/16                           |      | 5.0 TTG               |                       | U A           | <b>Templado USA Glass &amp; Aluminum Products ; Barranquilla, Colombia</b> |           |                                |      |                   |                       |               |
| <b>Tai Sheng (Dong Guan) Glass Co.,Ltd ; Dongguan, Guangdong, China</b>  |           |                                |      |                       |                       |               | 6331                                                                       | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           |
| 6140                                                                     | COMP+CAN  | 1/8                            |      | 3.0 TTG               |                       | U A           | 6332                                                                       | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           |
| 4870                                                                     | COMP+CAN  | 5/32                           |      | 4.0 TTG               |                       | U A           | 6333                                                                       | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |
| 5487                                                                     | COMP+CAN  | 3/16                           |      | 5.0 TTG               |                       | U A           | 6334                                                                       | COMPOSITE | 5/16                           |      | 8.0 TTG           |                       | U A           |
| 4872                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TTG               |                       | U A           | 6335                                                                       | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           |
| 4873                                                                     | COMP+CAN  | 5/16                           |      | 8.0 TTG               |                       | U A           | 6336                                                                       | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           |
| 5486                                                                     | COMP+CAN  | 3/8                            |      | 10.0 TTG              |                       | U A           | 6337                                                                       | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           |
| 5604                                                                     | COMP+CAN  | 1/2                            |      | 12.0 TTG              |                       | U A           | 6338                                                                       | COMPOSITE | (H)                            |      | 10-12 LTG (ip)(A) | (.035)                | U A           |
| 6141                                                                     | COMP+CAN  | 1/8                            |      | 3.0 TPG (s)           |                       | U A           | <b>Templados Del Centro SA DE C.V. ; Irapuato, Guanajuato</b>              |           |                                |      |                   |                       |               |
| 5067                                                                     | COMP+CAN  | 5/32                           |      | 4.0 TPG (m)           |                       | U A           | 6170                                                                       | COMPOSITE | (H)                            |      | 10 LTG (b)(A)     | (.060)                | U A           |
| 5488                                                                     | COMP+CAN  | 3/16                           |      | 5.0 TPG (m)           |                       | U A           | 6019                                                                       | COMPOSITE | (H)                            |      | 12 LTG (b)(A)     | (.030)                | U A           |
| 5068                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TPG (m)           |                       | U A           |                                                                            |           |                                |      |                   |                       |               |
| 6054                                                                     | COMP+CAN  | 3/16                           |      | 5.0 TBP (s)           |                       | U A           |                                                                            |           |                                |      |                   |                       |               |
| 6053                                                                     | COMP+CAN  | 3/16                           |      | 5.0 TBG               |                       | U A           |                                                                            |           |                                |      |                   |                       |               |
| 6055                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TBG               |                       | U A           |                                                                            |           |                                |      |                   |                       |               |
| 6142                                                                     | COMP+CAN  | 5/16                           |      | 8.0 TBG               |                       | U A           |                                                                            |           |                                |      |                   |                       |               |

## 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>Tengzhou Fenghua Glass Co., LTD ; Tengzhou, China</b>                            |           |                   |                   |                    |            | <b>Thermoseal Industries, LLC ; Gloucester City, NJ</b>                  |           |                   |                  |                    |            |
| 6418                                                                                | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        | 4470                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 6419                                                                                | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        | 4471                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 6420                                                                                | COMP+CAN  | 5/16              | 8.0 TTG           |                    | U A        | <b>Thompson I.G. LLC. ; Fenton, MI</b>                                   |           |                   |                  |                    |            |
| 6421                                                                                | COMP+CAN  | 3/8               | 10.0 TTG          |                    | U A        | 5303                                                                     | COMP+CAN  | 1/8               | 3.0 TTG          |                    | U A        |
| 6422                                                                                | COMP+CAN  | 1/2               | 12.0 TTG          |                    | U A        | 5304                                                                     | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 6424                                                                                | COMP+CAN  | 5/32              | 4.0 TPG (m)       |                    | U A        | 5305                                                                     | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 6425                                                                                | COMP+CAN  | 3/16              | 5.0 TPG (m)       |                    | U A        | 5298                                                                     | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 6426                                                                                | COMP+CAN  | 1/4               | 6.0 TPG (s)       |                    | U A        | 5299                                                                     | COMP+CAN  | 1/2               | 12.0 TTG         |                    | U A        |
| 6427                                                                                | COMP+CAN  | 3/8               | 10.0 TPG (s)      |                    | U A        | 5302                                                                     | COMP+CAN  | (H)               | 8 LTG (b)(A)     | (.060)             | U A        |
| 6423                                                                                | COMP+CAN  | (S)               | 6 LTG (b)(A)      | (.030)             | U A        | 5301                                                                     | COMP+CAN  | (H)               | 10-12 LTG (b)(A) | (.030)             | U A        |
| <b>Texas Tempered, a Trulite Glass and Aluminum Solutions Company ; Houston, TX</b> |           |                   |                   |                    |            | <b>Tianjin CSG Energy Conservation Glass Co., Ltd ; Tianjin, China</b>   |           |                   |                  |                    |            |
| 4847                                                                                | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 4021                                                                     | COMP+CAN  | 5/32              | 4.0 TTG          |                    | U A        |
| 4848                                                                                | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 4022                                                                     | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 6039                                                                                | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 4023                                                                     | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 4851                                                                                | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 4024                                                                     | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        |
| 5365                                                                                | COMPOSITE | 3/4               | 19.0 TTG          |                    | U A        | 4025                                                                     | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 6399                                                                                | COMPOSITE | 1/8               | 3.0 TPG (s)       |                    | U A        | 4026                                                                     | COMP+CAN  | 1/2               | 12.0 TTG         |                    | U A        |
| 6400                                                                                | COMPOSITE | 5/32              | 4.0 TPG (d)       |                    | U A        | 4027                                                                     | COMP+CAN  | *                 | 15.0 TTG (3)     |                    | U A        |
| 6401                                                                                | COMPOSITE | 3/16              | 5.0 TPG (m)       |                    | U A        | 4028                                                                     | COMP+CAN  | 3/4               | 19.0 TTG         |                    | U A        |
| 6402                                                                                | COMPOSITE | 1/4               | 6.0 TPG (m)       |                    | U A        | 4030                                                                     | COMP+CAN  | (H)               | 8 LTG (b)(A)     | (.030)             | U A        |
| 6403                                                                                | COMPOSITE | 3/8               | 10.0 TPG (s)      |                    | U A        | 4106                                                                     | COMP+CAN  | (H)               | 10 LTG (b)(A)    | (.045)             | U A        |
| <b>TG Changjiang Glass Co., Ltd ; Kunshan City, Jiangsu, China</b>                  |           |                   |                   |                    |            | 4107                                                                     | COMP+CAN  | (H)               | 12 LTG (b)(A)    | (.060)             | U A        |
| 5177                                                                                | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        | 4108                                                                     | COMP+CAN  | (H)               | 16+ LTG (b)(A)   | (.090)             | U A        |
| 5178                                                                                | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        | <b>Tianjin Northglass Industrial Technical Co., Ltd ; Tianjin, China</b> |           |                   |                  |                    |            |
| 5179                                                                                | COMP+CAN  | 5/16              | 8.0 TTG           |                    | U A        | 5220                                                                     | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        |
| 5176                                                                                | COMP+CAN  | (H)               | 12-16+ LTG (b)(A) | (.015)             | U B        | 5221                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        |
| <b>The Original Frameless Shower Door ; Coral Springs, FL</b>                       |           |                   |                   |                    |            | 6044                                                                     | COMPOSITE | (H)               | 12 LTG (b)(A)    | (.060)             | U A        |
| 4662                                                                                | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 5223                                                                     | COMPOSITE | (H)               | 18+ LTG (ip)(A)  | (.060)             | U A        |
| 4663                                                                                | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | <b>Tianjin SYP Engineering Glass Co., Ltd. ; Tianjin, China</b>          |           |                   |                  |                    |            |
| <b>Thermal Seal Insulating Glass ; Uxbridge, MA</b>                                 |           |                   |                   |                    |            | 4075                                                                     | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 5731                                                                                | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 4076                                                                     | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 5732                                                                                | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        | 4077                                                                     | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        |
| 5733                                                                                | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 4078                                                                     | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 5734                                                                                | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 4079                                                                     | COMP+CAN  | *                 | 12.0 TTG (3)     |                    | U A        |
| 5735                                                                                | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 4080                                                                     | COMP+CAN  | *                 | 15.0 TTG (3)     |                    | U A        |
| 5736                                                                                | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 4081                                                                     | COMP+CAN  | 3/4               | 19.0 TTG         |                    | U A        |
| 5730                                                                                | COMPOSITE | 1/8               | 3.0 TPG (s)       |                    | U A        | 4084                                                                     | COMP+CAN  | (H)               | 8-16+ LTG (b)(A) | (.030)             | U A        |
| <b>Thermalsun Glass Products ; Santa Rosa, CA</b>                                   |           |                   |                   |                    |            | <b>Tristar Glass, Inc. ; Catoosa, OK</b>                                 |           |                   |                  |                    |            |
| 6265                                                                                | COMPOSITE | 1/8               | 3.0 TTG           |                    | U A        | 4004                                                                     | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        |
| 6266                                                                                | COMPOSITE | 5/32              | 4.0 TTG           |                    | U A        | 4005                                                                     | COMPOSITE | 5/32              | 4.0 TTG          |                    | U A        |
| 6267                                                                                | COMPOSITE | 3/16              | 5.0 TTG           |                    | U A        | 4006                                                                     | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 6268                                                                                | COMPOSITE | 1/4               | 6.0 TTG           |                    | U A        | 4007                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 6269                                                                                | COMPOSITE | 3/8               | 10.0 TTG          |                    | U A        | 4008                                                                     | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
| 6270                                                                                | COMPOSITE | 1/2               | 12.0 TTG          |                    | U A        | 4009                                                                     | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        |
| <b>Thermo BSL ; Riviere-du-loup, QC</b>                                             |           |                   |                   |                    |            | 4010                                                                     | COMPOSITE | 5/32              | 4.0 TPG (s)      |                    | U A        |
| 4290                                                                                | COMP+CAN  | 1/8               | 3.0 TTG           |                    | U A        | 4011                                                                     | COMPOSITE | 3/16              | 5.0 TPG (s)      |                    | U A        |
| 4291                                                                                | COMP+CAN  | 5/32              | 4.0 TTG           |                    | U A        | 5441                                                                     | COMPOSITE | (S)               | 6 LTG (b)(A)     | (.030)             | U A        |
| 4292                                                                                | COMP+CAN  | 3/16              | 5.0 TTG           |                    | U A        | 4411                                                                     | COMPOSITE | (H)               | 10-12 LTG (b)(A) | (.030)             | U A        |
| 4293                                                                                | COMP+CAN  | 1/4               | 6.0 TTG           |                    | U A        | <b>Tristar Glass, Inc. ; Grand Prairie, TX</b>                           |           |                   |                  |                    |            |
| 6550                                                                                | COMP+CAN  | (S)               | 6 LTG (b)(A)      | (.030)             | U A        | 5109                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 5673                                                                                | COMP+CAN  | (H)               | 8 LTG (b)(A)      | (.030)             | U A        | <b>Tristar Glass, Inc. ; Houston, Texas</b>                              |           |                   |                  |                    |            |
| 5674                                                                                | COMP+CAN  | (H)               | 10 LTG (ip)(A)    | (.090)             | U A        | 5762                                                                     | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |

## 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>Tristar Glass, Inc. ; Oklahoma City, OK</b>              |           |                                |      |              |                       |               | <b>Trulite Glass and Aluminum Solutions ; Cheswick, PA</b>         |           |                                |      |                    |                       |               |
| 6616                                                        | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           | 1784                                                               | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           |
| <b>Triton Glass LLC ; Albemarle, NC</b>                     |           |                                |      |              |                       |               | 1785                                                               | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 5690                                                        | COMPOSITE | 1/8                            |      | 3.0 TTG      |                       | U A           | 1786                                                               | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 5691                                                        | COMPOSITE | 3/16                           |      | 5.0 TTG      |                       | U A           | 3495                                                               | COMPOSITE | 5/16                           |      | 8.0 TTG            |                       | U A           |
| 5692                                                        | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           | 1787                                                               | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 5693                                                        | COMPOSITE | 3/8                            |      | 10.0 TTG     |                       | U A           | 1788                                                               | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           |
| 5694                                                        | COMPOSITE | 1/2                            |      | 12.0 TTG     |                       | U A           | 4134                                                               | COMPOSITE | 5/8                            |      | 16.0 TTG           |                       | U A           |
| <b>Triview Glass Industries ; City of Industry, CA</b>      |           |                                |      |              |                       |               | 4135                                                               | COMPOSITE | 3/4                            |      | 19.0 TTG           |                       | U A           |
| 5039                                                        | COMP+CAN  | 5/32                           |      | 4.0 TTG      |                       | U A           | 4452                                                               | COMPOSITE | 1/8                            |      | 3.0 TPG (s)        |                       | U A           |
| 5040                                                        | COMP+CAN  | 3/16                           |      | 5.0 TTG      |                       | U A           | 1790                                                               | COMPOSITE | 3/16                           |      | 5.0 TPG (s)        |                       | U A           |
| 5041                                                        | COMP+CAN  | 1/4                            |      | 6.0 TTG      |                       | U A           | 4453                                                               | COMPOSITE | 3/8                            |      | 10.0 TPG (s)       |                       | U A           |
| 5042                                                        | COMP+CAN  | 5/16                           |      | 8.0 TTG      |                       | U A           | <b>Trulite Glass and Aluminum Solutions ; City of Industry, CA</b> |           |                                |      |                    |                       |               |
| 5043                                                        | COMP+CAN  | 3/8                            |      | 10.0 TTG     |                       | U A           | 4182                                                               | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           |
| 5044                                                        | COMP+CAN  | 1/2                            |      | 12.0 TTG     |                       | U A           | 4183                                                               | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           |
| 5045                                                        | COMP+CAN  | 5/8                            |      | 16.0 TTG     |                       | U A           | 4184                                                               | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 5046                                                        | COMP+CAN  | 3/4                            |      | 19.0 TTG     |                       | U A           | 4185                                                               | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 5047                                                        | COMP+CAN  | (S)                            |      | 6 LTG (b)(A) | (.030)                | U A           | 4186                                                               | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 5048                                                        | COMP+CAN  | (H)                            |      | 8 LTG (b)(A) | (.030)                | U A           | 4187                                                               | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           |
| <b>Troy Systems LLC ; Manassas, VA</b>                      |           |                                |      |              |                       |               | 4522                                                               | COMPOSITE | 5/8                            |      | 16.0 TTG           |                       | U A           |
| 4918                                                        | COMPOSITE | 3/16                           |      | 5.0 TTG      |                       | U A           | 4371                                                               | COMPOSITE | 3/4                            |      | 19.0 TTG           |                       | U A           |
| 4061                                                        | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           | 4188                                                               | COMPOSITE | 1/8                            |      | 3.0 TPG (s)        |                       | U A           |
| 4062                                                        | COMPOSITE | 3/8                            |      | 10.0 TTG     |                       | U A           | 4372                                                               | COMPOSITE | 5/32                           |      | 4.0 TPG (d)        |                       | U A           |
| 4063                                                        | COMPOSITE | 1/2                            |      | 12.0 TTG     |                       | U A           | 4373                                                               | COMPOSITE | 3/16                           |      | 5.0 TPG (m)        |                       | U A           |
| 5123                                                        | COMPOSITE | 3/8                            |      | 10.0 TPG (s) |                       | U A           | 4189                                                               | COMPOSITE | 1/4                            |      | 6.0 TPG (m)        |                       | U A           |
| <b>Trulite Glass and Aluminum Solutions ; Aurora, CO</b>    |           |                                |      |              |                       |               | 4374                                                               | COMPOSITE | 3/8                            |      | 10.0 TPG (s)       |                       | U A           |
| 5341                                                        | COMPOSITE | 1/8                            |      | 3.0 TTG      |                       | U A           | 4233                                                               | COMPOSITE | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           |
| 5348                                                        | COMPOSITE | 5/32                           |      | 4.0 TTG      |                       | U A           | 6010                                                               | COMPOSITE | (H)                            |      | 8-16+ LTG (b)(A)   | (.030)                | U A           |
| 6613                                                        | COMPOSITE | 3/16                           |      | 5.0 TTG      |                       | U A           | 6011                                                               | COMPOSITE | (H)                            |      | 10-16+ LTG (ip)(A) | (.060)                | U A           |
| 5343                                                        | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           | <b>Trulite Glass and Aluminum Solutions ; Columbus, OH</b>         |           |                                |      |                    |                       |               |
| 5344                                                        | COMPOSITE | 3/8                            |      | 10.0 TTG     |                       | U A           | 4745                                                               | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           |
| 5345                                                        | COMPOSITE | 1/2                            |      | 12.0 TTG     |                       | U A           | 4746                                                               | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 5346                                                        | COMPOSITE | 3/4                            |      | 19.0 TTG     |                       | U A           | 4747                                                               | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 5347                                                        | COMPOSITE | 1/8                            |      | 3.0 TPG (s)  |                       | U A           | 6159                                                               | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 5349                                                        | COMPOSITE | 3/16                           |      | 5.0 TPG (m)  |                       | U A           | 4748                                                               | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           |
| 5350                                                        | COMPOSITE | 3/8                            |      | 10.0 TPG (s) |                       | U A           | 6160                                                               | COMPOSITE | 5/8                            |      | 16.0 TTG           |                       | U A           |
| <b>Trulite Glass and Aluminum Solutions ; Bradenton, FL</b> |           |                                |      |              |                       |               | 6161                                                               | COMPOSITE | 3/4                            |      | 19.0 TTG           |                       | U A           |
| 5859                                                        | COMPOSITE | 1/8                            |      | 3.0 TTG      |                       | U A           | 6165                                                               | COMPOSITE | 1/8                            |      | 3.0 TPG (m)        |                       | U A           |
| 5860                                                        | COMPOSITE | 3/16                           |      | 5.0 TTG      |                       | U A           | 6166                                                               | COMPOSITE | 5/32                           |      | 4.0 TPG (d)        |                       | U A           |
| 4225                                                        | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           | 6167                                                               | COMPOSITE | 3/16                           |      | 5.0 TPG (m)        |                       | U A           |
| 4226                                                        | COMPOSITE | 3/8                            |      | 10.0 TTG     |                       | U A           | 6168                                                               | COMPOSITE | 1/4                            |      | 6.0 TPG (m)        |                       | U A           |
| 4227                                                        | COMPOSITE | 1/2                            |      | 12.0 TTG     |                       | U A           | 6169                                                               | COMPOSITE | 3/8                            |      | 10.0 TPG (s)       |                       | U A           |
| 6188                                                        | COMPOSITE | 1/8                            |      | 3.0 TPG (s)  |                       | U A           | 6163                                                               | COMPOSITE | (S)                            |      | 6 LTG (ip)(A)      | (.035)                | U A           |
| 6189                                                        | COMPOSITE | 3/16                           |      | 5.0 TPG (d)  |                       | U A           | 3407                                                               | COMPOSITE | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           |
| 6190                                                        | COMPOSITE | 3/8                            |      | 10.0 TPG (s) |                       | U A           | 6162                                                               | COMPOSITE | (H)                            |      | 8-16+ LTG (b)(A)   | (.030)                | U A           |
|                                                             |           |                                |      |              |                       |               | 6164                                                               | COMPOSITE | (H)                            |      | 8-16+ LTG (ip)(A)  | (.035)                | U A           |

## 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 ; Fort Worth, TX</b> |           |                                |      |                   |                       |               | <b>Trulite Glass and Aluminum Solutions ; Houston, TX</b>      |           |                                |      |              |                       |               |
| 5396                                                         | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           | 5432                                                           | COMP+CAN  | 1/8                            |      | 3.0 TTG      |                       | U A           |
| 5397                                                         | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           | 3925                                                           | COMP+CAN  | 3/16                           |      | 5.0 TTG      |                       | U A           |
| 5398                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           | 5483                                                           | COMP+CAN  | 1/4                            |      | 6.0 TTG      |                       | U A           |
| 5399                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           | 3927                                                           | COMP+CAN  | 3/8                            |      | 10.0 TTG     |                       | U A           |
| 5400                                                         | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           | 3928                                                           | COMP+CAN  | 1/2                            |      | 12.0 TTG     |                       | U A           |
| 5401                                                         | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           | 5477                                                           | COMP+CAN  | 5/8                            |      | 16.0 TTG     |                       | U A           |
| 6389                                                         | COMPOSITE | 5/8                            |      | 16.0 TTG          |                       | U A           | 5478                                                           | COMP+CAN  | 3/4                            |      | 19.0 TTG     |                       | U A           |
| 6388                                                         | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           | 5433                                                           | COMP+CAN  | 1/8                            |      | 3.0 TPG (s)  |                       | U A           |
| 5784                                                         | COMPOSITE | 1/8                            |      | 3.0 TPG (m)       |                       | U A           | 5686                                                           | COMP+CAN  | 5/32                           |      | 4.0 TPG (d)  |                       | U A           |
| 5404                                                         | COMPOSITE | 3/16                           |      | 5.0 TPG (m)       |                       | U A           | 3931                                                           | COMP+CAN  | 3/16                           |      | 5.0 TPG (m)  |                       | U A           |
| 5405                                                         | COMPOSITE | 3/8                            |      | 10.0 TPG (m)      |                       | U A           | 6259                                                           | COMP+CAN  | 1/4                            |      | 6.0 TPG (s)  |                       | U A           |
| 3603                                                         | COMPOSITE | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U A           | 6260                                                           | COMP+CAN  | 3/8                            |      | 10.0 TPG (s) |                       | U A           |
| 5783                                                         | COMPOSITE | (H)                            |      | 8-16+ LTG (b)(A)  | (.030)                | U A           | 5434                                                           | COMP+CAN  | (S)                            |      | 6 LTG (b)(A) | (.030)                | U A           |
| 5728                                                         | COMPOSITE | (H)                            |      | 8-16+ LTG (ip)(A) | (.035)                | U A           | <b>Trulite Glass and Aluminum Solutions ; Indianapolis, IN</b> |           |                                |      |              |                       |               |
| <b>Trulite Glass and Aluminum Solutions ; Fremont, CA</b>    |           |                                |      |                   |                       |               | 4749                                                           | COMPOSITE | 1/8                            |      | 3.0 TTG      |                       | U A           |
| 5792                                                         | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           | 4922                                                           | COMPOSITE | 3/16                           |      | 5.0 TTG      |                       | U A           |
| 5793                                                         | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           | 4923                                                           | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           |
| 5794                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           | 4754                                                           | COMPOSITE | 3/8                            |      | 10.0 TTG     |                       | U A           |
| 5795                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           | 4753                                                           | COMPOSITE | 1/2                            |      | 12.0 TTG     |                       | U A           |
| 5796                                                         | COMPOSITE | 5/16                           |      | 8.0 TTG           |                       | U A           | 4750                                                           | COMPOSITE | 3/16                           |      | 5.0 TPG (s)  |                       | U A           |
| 5797                                                         | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           | <b>Trulite Glass and Aluminum Solutions ; Knoxville, TN</b>    |           |                                |      |              |                       |               |
| 5798                                                         | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           | 4209                                                           | COMPOSITE | 1/8                            |      | 3.0 TTG      |                       | U A           |
| 5800                                                         | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           | 4827                                                           | COMPOSITE | 5/32                           |      | 4.0 TTG      |                       | U A           |
| 5801                                                         | COMPOSITE | 1/8                            |      | 3.0 TPG (s)       |                       | U A           | 4152                                                           | COMPOSITE | 3/16                           |      | 5.0 TTG      |                       | U A           |
| 5802                                                         | COMPOSITE | 5/32                           |      | 4.0 TPG (m)       |                       | U A           | 4153                                                           | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           |
| 5803                                                         | COMPOSITE | 3/16                           |      | 5.0 TPG (s)       |                       | U A           | 4158                                                           | COMPOSITE | 3/8                            |      | 10.0 TTG     |                       | U A           |
| 5804                                                         | COMPOSITE | 1/4                            |      | 6.0 TPG (m)       |                       | U A           | 4159                                                           | COMPOSITE | 1/2                            |      | 12.0 TTG     |                       | U A           |
| 5805                                                         | COMPOSITE | 3/8                            |      | 10.0 TPG (s)      |                       | U A           | 4207                                                           | COMPOSITE | 1/8                            |      | 3.0 TPG (m)  |                       | U A           |
| <b>Trulite Glass and Aluminum Solutions ; Fresno, CA</b>     |           |                                |      |                   |                       |               | 4981                                                           | COMPOSITE | 5/32                           |      | 4.0 TPG (d)  |                       | U A           |
| 5820                                                         | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           | 4160                                                           | COMPOSITE | 3/16                           |      | 5.0 TPG (d)  |                       | U A           |
| 5821                                                         | COMPOSITE | 5/32                           |      | 4.0 TTG           |                       | U A           | 4980                                                           | COMPOSITE | 1/4                            |      | 6.0 TPG (d)  |                       | U A           |
| 5822                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           | 5134                                                           | COMPOSITE | 3/8                            |      | 10.0 TPG (m) |                       | U A           |
| 5823                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           | <b>Trulite Glass and Aluminum Solutions ; Las Vegas, NV</b>    |           |                                |      |              |                       |               |
| 5825                                                         | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           | 4210                                                           | COMPOSITE | 1/8                            |      | 3.0 TTG      |                       | U A           |
| 5826                                                         | COMPOSITE | 1/2                            |      | 12.0 TTG          |                       | U A           | 4212                                                           | COMPOSITE | 3/16                           |      | 5.0 TTG      |                       | U A           |
| 5828                                                         | COMPOSITE | 3/4                            |      | 19.0 TTG          |                       | U A           | 4213                                                           | COMPOSITE | 1/4                            |      | 6.0 TTG      |                       | U A           |
| 5829                                                         | COMPOSITE | 1/8                            |      | 3.0 TPG (d)       |                       | U A           | 4214                                                           | COMPOSITE | 3/8                            |      | 10.0 TTG     |                       | U A           |
| 5985                                                         | COMPOSITE | 5/32                           |      | 4.0 TPG (m)       |                       | U A           | 4215                                                           | COMPOSITE | 1/2                            |      | 12.0 TTG     |                       | U A           |
| 5830                                                         | COMPOSITE | 3/16                           |      | 5.0 TPG (d)       |                       | U A           | 4216                                                           | COMPOSITE | 3/4                            |      | 19.0 TTG     |                       | U A           |
| 5831                                                         | COMPOSITE | 1/4                            |      | 6.0 TPG (m)       |                       | U A           | 4217                                                           | COMPOSITE | 1/8                            |      | 3.0 TPG (s)  |                       | U A           |
| 5832                                                         | COMPOSITE | 3/8                            |      | 10.0 TPG (s)      |                       | U A           | 4219                                                           | COMPOSITE | 3/16                           |      | 5.0 TPG (m)  |                       | U A           |
| <b>Trulite Glass and Aluminum Solutions ; Grenada, MS</b>    |           |                                |      |                   |                       |               | 4220                                                           | COMPOSITE | 1/4                            |      | 6.0 TPG (m)  |                       | U A           |
| 2787                                                         | COMPOSITE | 1/8                            |      | 3.0 TTG           |                       | U A           | 4221                                                           | COMPOSITE | 3/8                            |      | 10.0 TPG (s) |                       | U A           |
| 2788                                                         | COMPOSITE | 3/16                           |      | 5.0 TTG           |                       | U A           |                                                                |           |                                |      |              |                       |               |
| 2789                                                         | COMPOSITE | 1/4                            |      | 6.0 TTG           |                       | U A           |                                                                |           |                                |      |              |                       |               |
| 2840                                                         | COMPOSITE | 3/8                            |      | 10.0 TTG          |                       | U A           |                                                                |           |                                |      |              |                       |               |
| 4743                                                         | COMPOSITE | (S)                            |      | 6 LTG (b)(A)      | (.030)                | U B           |                                                                |           |                                |      |              |                       |               |
| 6615                                                         | COMPOSITE | (H)                            |      | 8 LTG (b)(A)      | (.060)                | U A           |                                                                |           |                                |      |              |                       |               |
| 4744                                                         | COMPOSITE | (H)                            |      | 10-16+ LTG (b)(A) | (.030)                | U A           |                                                                |           |                                |      |              |                       |               |
| 5898                                                         | COMPOSITE | (H)                            |      | 10-12 LTG (ip)(A) | (.035)                | U A           |                                                                |           |                                |      |              |                       |               |

## 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 ; Lithia Springs, GA</b> |           |                                |      |                    |                       |               | <b>Trulite Glass and Aluminum Solutions ; Sacramento, CA</b>     |           |                                |      |                  |                       |               |
| 6102                                                             | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | U A           | 5807                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | U A           |
| 6103                                                             | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           | 5808                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | U A           |
| 6104                                                             | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           | 5809                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | U A           |
| 6105                                                             | COMP+CAN  | 1/2                            |      | 12.0 TTG           |                       | U A           | 5810                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           |
| 6106                                                             | COMP+CAN  | 5/8                            |      | 16.0 TTG           |                       | U A           | 5812                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | U A           |
| 6107                                                             | COMP+CAN  | 3/4                            |      | 19.0 TTG           |                       | U A           | 5813                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | U A           |
| 6113                                                             | COMP+CAN  | 3/16                           |      | 5.0 TPG (m)        |                       | U A           | 5815                                                             | COMPOSITE | 1/8                            |      | 3.0 TPG (d)(IN)  |                       | U A           |
| 6114                                                             | COMP+CAN  | 1/4                            |      | 6.0 TPG (m)        |                       | U A           | 5816                                                             | COMPOSITE | 3/16                           |      | 5.0 TPG (d)      |                       | U A           |
| 6115                                                             | COMP+CAN  | 3/8                            |      | 10.0 TPG (s)       |                       | U A           | 5817                                                             | COMPOSITE | 1/4                            |      | 6.0 TPG (m)      |                       | U A           |
| 6110                                                             | COMP+CAN  | (S)                            |      | 6 LTG (IN) (ip)(A) | (.060)                | U A           | 5818                                                             | COMPOSITE | 3/8                            |      | 10.0 TPG (s)     |                       | U A           |
| 6108                                                             | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           | <b>Trulite Glass and Aluminum Solutions ; Salt Lake City, UT</b> |           |                                |      |                  |                       |               |
| 6111                                                             | COMP+CAN  | (H)                            |      | 8-16+ LTG (ip)(A)  | (.060)                | U A           | 6447                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | U A           |
| 6109                                                             | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A)   | (.030)                | U A           | 5337                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | U A           |
| <b>Trulite Glass and Aluminum Solutions ; New Berlin, WI</b>     |           |                                |      |                    |                       |               | 5338                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           |
| 5876                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           | 5339                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | U A           |
| 5317                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           | 5340                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | U A           |
| 5318                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           | 6376                                                             | COMPOSITE | 5/8                            |      | 16.0 TTG         |                       | U A           |
| 5877                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           | 6006                                                             | COMPOSITE | 3/16                           |      | 5.0 TPG (m)      |                       | U A           |
| 5320                                                             | COMPOSITE | 5/16                           |      | 8.0 TTG            |                       | U A           | 6007                                                             | COMPOSITE | 1/4                            |      | 6.0 TPG (s)      |                       | U A           |
| 5321                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           | 6008                                                             | COMPOSITE | 3/8                            |      | 10.0 TPG (s)     |                       | U A           |
| 5322                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           | <b>Trulite Glass and Aluminum Solutions ; San Antonio, TX</b>    |           |                                |      |                  |                       |               |
| 5896                                                             | COMPOSITE | 5/8                            |      | 16.0 TTG           |                       | U A           | 3645                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | U A           |
| 5897                                                             | COMPOSITE | 3/4                            |      | 19.0 TTG           |                       | U A           | 3646                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | U A           |
| 3430                                                             | COMPOSITE | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           | 3839                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | U A           |
| 5937                                                             | COMPOSITE | (H)                            |      | 8-16+ LTG (ip)(A)  | (.060)                | U A           | 3326                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           |
| 5936                                                             | COMPOSITE | (H)                            |      | 8-12 LTG (b)(A)    | (.030)                | U A           | 3327                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | U A           |
| <b>Trulite Glass and Aluminum Solutions ; Orlando, FL</b>        |           |                                |      |                    |                       |               | 4277                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | U A           |
| 5183                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           | 3818                                                             | COMPOSITE | 1/8                            |      | 3.0 TPG (s)      |                       | U A           |
| 5185                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           | 3647                                                             | COMPOSITE | 5/32                           |      | 4.0 TPG (m)      |                       | U A           |
| 5184                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           | 4342                                                             | COMPOSITE | 3/16                           |      | 5.0 TPG (m)      |                       | U A           |
| 5186                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           | <b>Trulite Glass and Aluminum Solutions ; Tulsa, OK</b>          |           |                                |      |                  |                       |               |
| 5187                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           | 5687                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG          |                       | U A           |
| 5680                                                             | COMPOSITE | 5/8                            |      | 16.0 TTG           |                       | U A           | 5443                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG          |                       | U A           |
| 5188                                                             | COMPOSITE | 3/4                            |      | 19.0 TTG           |                       | U A           | 5444                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG          |                       | U A           |
| 5189                                                             | COMPOSITE | 1/8                            |      | 3.0 TPG (s)        |                       | U A           | 5445                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG          |                       | U A           |
| 5190                                                             | COMPOSITE | 3/16                           |      | 5.0 TPG (m)        |                       | U A           | 5446                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG         |                       | U A           |
| 5191                                                             | COMPOSITE | 1/4                            |      | 6.0 TPG (m)        |                       | U A           | 5447                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG         |                       | U A           |
| 5192                                                             | COMPOSITE | 3/8                            |      | 10.0 TPG (s)       |                       | U A           | 5688                                                             | COMPOSITE | 1/8                            |      | 3.0 TPG (s)      |                       | U A           |
| 3461                                                             | COMPOSITE | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           | 5448                                                             | COMPOSITE | 5/32                           |      | 4.0 TPG (d)      |                       | U A           |
| 5484                                                             | COMPOSITE | (H)                            |      | 8-16+ LTG (b)(A)   | (.030)                | U A           | 5449                                                             | COMPOSITE | 3/16                           |      | 5.0 TPG (m)      |                       | U A           |
| 5485                                                             | COMPOSITE | (H)                            |      | 10-12 LTG (ip)(A)  | (.035)                | U A           | 5450                                                             | COMPOSITE | 1/4                            |      | 6.0 TPG (m)      |                       | U A           |
| <b>Trulite Glass and Aluminum Solutions ; Phoenix, AZ</b>        |           |                                |      |                    |                       |               | 5451                                                             | COMPOSITE | 3/8                            |      | 10.0 TPG (s)     |                       | U A           |
| 5700                                                             | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           | <b>Trulite Glass and Aluminum Solutions ; Vaughan, ON</b>        |           |                                |      |                  |                       |               |
| 5701                                                             | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           | 5507                                                             | COMP+CAN  | 5/32                           |      | 4.0 TTG          |                       | U A           |
| 5702                                                             | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           | 5508                                                             | COMP+CAN  | 3/16                           |      | 5.0 TTG          |                       | U A           |
| 5746                                                             | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           | 5509                                                             | COMP+CAN  | 1/4                            |      | 6.0 TTG          |                       | U A           |
| 5703                                                             | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           | 5510                                                             | COMP+CAN  | 5/16                           |      | 8.0 TTG          |                       | U A           |
| 5704                                                             | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           | 5511                                                             | COMP+CAN  | 3/8                            |      | 10.0 TTG         |                       | U A           |
| 5705                                                             | COMPOSITE | 1/8                            |      | 3.0 TPG (s)        |                       | U A           | 5782                                                             | COMP+CAN  | 1/2                            |      | 12.0 TTG         |                       | U A           |
| 5706                                                             | COMPOSITE | 3/16                           |      | 5.0 TPG (m)        |                       | U A           | 5631                                                             | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)     | (.030)                | U A           |
| 5707                                                             | COMPOSITE | 1/4                            |      | 6.0 TPG (m)        |                       | U A           | 5632                                                             | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A) | (.030)                | U A           |
| 5747                                                             | COMPOSITE | 3/8                            |      | 10.0 TPG (m)       |                       | U A           |                                                                  |           |                                |      |                  |                       |               |



## 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 ; Youngsville, NC</b>   |           |                                |      |                    |                       |               | <b>Unitex Glass Chengdu Co., Ltd ; Chendu, Sichuan, China</b>            |           |                                |      |                    |                       |               |
| 5272                                                            | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           | 5462                                                                     | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           |
| 5517                                                            | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           | 5463                                                                     | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           |
| 5273                                                            | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           | 5407                                                                     | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 5274                                                            | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           | 5408                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 5518                                                            | COMPOSITE | 5/16                           |      | 8.0 TTG            |                       | U A           | 5414                                                                     | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 5275                                                            | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           | <b>Upstate Glass Tempering Inc. ; Middletown, NY</b>                     |           |                                |      |                    |                       |               |
| 5276                                                            | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           | 4926                                                                     | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           |
| 6009                                                            | COMPOSITE | 5/8                            |      | 16.0 TTG           |                       | U A           | 6068                                                                     | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 5277                                                            | COMPOSITE | 3/4                            |      | 19.0 TTG           |                       | U A           | 5157                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 5279                                                            | COMPOSITE | 3/16                           |      | 5.0 TPG (m)        |                       | U A           | 4927                                                                     | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 6187                                                            | COMPOSITE | 3/8                            |      | 10.0 TPG (s)       |                       | U A           | 5158                                                                     | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           |
| 4437                                                            | COMPOSITE | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           | <b>Valentini Glass &amp; Components srl ; Brescia, Italy</b>             |           |                                |      |                    |                       |               |
| 6405                                                            | COMPOSITE | (H)                            |      | 8 LTG (b)(A)       | (.030)                | U A           | 2423                                                                     | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           |
| <b>TVITEC ; Cubillo del Sil, Spain</b>                          |           |                                |      |                    |                       |               | 4246                                                                     | COMPOSITE | 5/32                           |      | 4.0 TBG            |                       | U A           |
| 5519                                                            | COMPOSITE | (H)                            |      | 12 LTG (ip)(A)     | (.070)                | U A           | 2898                                                                     | COMPOSITE | 1/4                            |      | 6.0 TBG            |                       | U A           |
| <b>Tweddells Inc. ; Santa Ana, CA</b>                           |           |                                |      |                    |                       |               | <b>Verre Concept Novatech ; Montreal, Quebec</b>                         |           |                                |      |                    |                       |               |
| 5384                                                            | COMP+CAN  | 1/8                            |      | 3.0 TTG            |                       | U A           | 6217                                                                     | COMP+CAN  | 1/8                            |      | 3.0 TTG            |                       | U A           |
| 4993                                                            | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | U A           | 6218                                                                     | COMP+CAN  | 5/32                           |      | 4.0 TTG            |                       | U A           |
| 5385                                                            | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           | 6219                                                                     | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 5386                                                            | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           | 6220                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           |
| <b>U.S. Glass Distributors Inc. ; Enfield, CT</b>               |           |                                |      |                    |                       |               | 6221                                                                     | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 5921                                                            | COMP+CAN  | 1/8                            |      | 3.0 TTG            |                       | U A           | 6222                                                                     | COMP+CAN  | 1/2                            |      | 12.0 TTG           |                       | U A           |
| 5922                                                            | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | U A           | <b>Vetreteria F. Illi Paci ; Seregno MB Italy</b>                        |           |                                |      |                    |                       |               |
| 5923                                                            | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           | 6509                                                                     | COMPOSITE | (H)                            |      | 10 LTG (ev)(A)     | (.030)                | U A           |
| 5924                                                            | COMP+CAN  | 5/16                           |      | 8.0 TTG            |                       | U A           | <b>Vidrio Bisel S.A. de C.V. ; Santa Catarina, Nuevo Leon, Mexico</b>    |           |                                |      |                    |                       |               |
| 5925                                                            | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           | 4966                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 5926                                                            | COMP+CAN  | 1/2                            |      | 12.0 TTG           |                       | U A           | 4967                                                                     | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 5927                                                            | COMP+CAN  | 5/8                            |      | 16.0 TTG           |                       | U A           | 4969                                                                     | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)       | (.015)(C1)            | U B           |
| 6157                                                            | COMP+CAN  | 3/4                            |      | 19.0 TTG           |                       | U A           | 4968                                                                     | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           |
| 5917                                                            | COMP+CAN  | 5/32                           |      | 4.0 TPG (d)        |                       | U A           | <b>Vidrios el Castillo SC de RL de CV ; Escobedo, Nuevo Leon, Mexico</b> |           |                                |      |                    |                       |               |
| 5918                                                            | COMP+CAN  | 3/16                           |      | 5.0 TPG (m)        |                       | U A           | 5840                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 5919                                                            | COMP+CAN  | 1/4                            |      | 6.0 TPG (s)        |                       | U A           | 5781                                                                     | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 5920                                                            | COMP+CAN  | 3/8                            |      | 10.0 TPG (s)       |                       | U A           | 6058                                                                     | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)       | (.015)                | U B           |
| 6430                                                            | COMP+CAN  | (S)                            |      | 5-6 LTG (b)(A)     | (.030)                | U A           | 6083                                                                     | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           |
| 6431                                                            | COMP+CAN  | (H)                            |      | 10-12 LTG (b)(A)   | (.030)                | U A           | <b>View Inc. ; Olive Branch, MS</b>                                      |           |                                |      |                    |                       |               |
| <b>United Plate Glass Co., Inc. ; Butler, PA</b>                |           |                                |      |                    |                       |               | 4725                                                                     | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           |
| 2467                                                            | COMPOSITE | 1/8                            |      | 3.0 TTG            |                       | U A           | 4726                                                                     | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           |
| 2468                                                            | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           | 4727                                                                     | COMPOSITE | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 2469                                                            | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           | 4728                                                                     | COMPOSITE | 1/4                            |      | 6.0 TTG            |                       | U A           |
| 2470                                                            | COMPOSITE | 3/8                            |      | 10.0 TTG           |                       | U A           | 6390                                                                     | COMPOSITE | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           |
| 2471                                                            | COMPOSITE | 1/2                            |      | 12.0 TTG           |                       | U A           | 5841                                                                     | COMPOSITE | (H)                            |      | 8-12 LTG (ip)(A)   | (.060)                | U A           |
| 6375                                                            | COMP+CAN  | 5/32                           |      | 4.0 TPG (m)        |                       | U A           | 5834                                                                     | COMPOSITE | (H)                            |      | 8-12 LTG (b)(A)    | (.030)                | U A           |
| 6250                                                            | COMP+CAN  | (S)                            |      | 6 LTG (ip)(A)      | (.035)                | U A           | <b>Viracon Inc. ; Owatonna, MN</b>                                       |           |                                |      |                    |                       |               |
| 6224                                                            | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           | 4354                                                                     | COMP+CAN  | 5/32                           |      | 4.0 TTG            |                       | U A           |
| 6225                                                            | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A)   | (.030)                | U A           | 1403                                                                     | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | U A           |
| 6251                                                            | COMP+CAN  | (H)                            |      | 10-16+ LTG (ip)(A) | (.035)                | U A           | 1404                                                                     | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           |
| <b>United Plate Glass Company of Charlotte ; Lincolnton, NC</b> |           |                                |      |                    |                       |               | 3689                                                                     | COMP+CAN  | 5/16                           |      | 8.0 TTG            |                       | U A           |
| 3948                                                            | COMP+CAN  | 1/8                            |      | 3.0 TTG            |                       | U A           | 1508                                                                     | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           |
| 4197                                                            | COMPOSITE | 5/32                           |      | 4.0 TTG            |                       | U A           | 1509                                                                     | COMP+CAN  | 1/2                            |      | 12.0 TTG           |                       | U A           |
| 3949                                                            | COMP+CAN  | 3/16                           |      | 5.0 TTG            |                       | U A           | 1637                                                                     | COMP+CAN  | (S)                            |      | 6 LTG (b)(A)       | (.030)                | U A           |
| 3950                                                            | COMP+CAN  | 1/4                            |      | 6.0 TTG            |                       | U A           | 4249                                                                     | COMP+CAN  | (H)                            |      | 8-16+ LTG (b)(A)   | (.030)                | U A           |
| 3951                                                            | COMP+CAN  | 3/8                            |      | 10.0 TTG           |                       | U A           | 4250                                                                     | COMP+CAN  | (H)                            |      | 12-16+ LTG (ip)(A) | (.060)                | U A           |
| 3952                                                            | COMP+CAN  | 1/2                            |      | 12.0 TTG           |                       | U A           |                                                                          |           |                                |      |                    |                       |               |
| 3954                                                            | COMP+CAN  | 1/8                            |      | 3.0 TPG (s)        |                       | U A           |                                                                          |           |                                |      |                    |                       |               |
| 4636                                                            | COMPOSITE | 5/32                           |      | 4.0 TPG (m)        |                       | U A           |                                                                          |           |                                |      |                    |                       |               |
| 3955                                                            | COMP+CAN  | 3/16                           |      | 5.0 TPG (s)        |                       | U A           |                                                                          |           |                                |      |                    |                       |               |

## 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>Viracon Inc. ; St. George, UT</b>                           |           |                   |                  |                    |            | <b>Vitro Flat Glass, LLC (formerly PPG) ; Carlisle, PA</b>                |           |                   |                  |                    |            |
| 5582                                                           | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        | 250                                                                       | COMP+CAN  | 1/8               | 3.0 TTG          |                    | U A        |
| 5555                                                           | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        | 675                                                                       | COMP+CAN  | 5/32              | 4.0 TTG          |                    | U A        |
| 5556                                                           | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        | 249                                                                       | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 5557                                                           | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        | 382                                                                       | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 6116                                                           | COMPOSITE | (S)               | 6 LTG (b)(A)     | (.030)             | U A        | <b>Vitrum Glass Group ; Langley, BC</b>                                   |           |                   |                  |                    |            |
| 6117                                                           | COMPOSITE | (H)               | 8-16+ LTG (b)(A) | (.030)             | U A        | 6383                                                                      | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| <b>Viracon Inc. ; Statesboro, GA</b>                           |           |                   |                  |                    |            | 6384                                                                      | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 2314                                                           | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        | 6385                                                                      | COMP+CAN  | 1/2               | 12.0 TTG         |                    | U A        |
| 2310                                                           | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        | 6386                                                                      | COMP+CAN  | (S)               | 6 LTG (b)(A)     | (.030)             | U A        |
| 4720                                                           | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        | 6387                                                                      | COMP+CAN  | (H)               | 10-12 LTG (b)(A) | (.060)             | U A        |
| 2311                                                           | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        | <b>Viwinco, Inc. ; Morgantown, PA</b>                                     |           |                   |                  |                    |            |
| 5017                                                           | COMP+CAN  | (S)               | 6 LTG (b)(A)     | (.030)             | U A        | 3074                                                                      | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        |
| 4779                                                           | COMP+CAN  | (H)               | 8-16+ LTG (b)(A) | (.030)             | U A        | 3405                                                                      | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 4784                                                           | COMP+CAN  | (H)               | 12 LTG (ip)(A)   | (.090)             | U A        | 6374                                                                      | COMPOSITE | (H)               | 8 LTG (ip)(A)    | (.090)             | U A        |
| <b>Virginia Glass Products Corp. ; Martinsville, VA</b>        |           |                   |                  |                    |            | 3408                                                                      | COMPOSITE | (H)               | 8 LTG (b)(A)     | (.090)             | U A        |
| 12                                                             | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        | <b>W. A. Wilson Inc. ; Wheeling, WV</b>                                   |           |                   |                  |                    |            |
| 14                                                             | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        | 4169                                                                      | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        |
| 93                                                             | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        | 4170                                                                      | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 94                                                             | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        | 4171                                                                      | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 2182                                                           | COMPOSITE | 5/8               | 16.0 TTG         |                    | U A        | 4172                                                                      | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
| 95                                                             | COMPOSITE | 3/4               | 19.0 TTG         |                    | U A        | 4173                                                                      | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        |
| 5194                                                           | COMPOSITE | (H)               | 12 LTG (ip)(A)   | (.060)             | U A        | 5173                                                                      | COMPOSITE | 1/8               | 3.0 TPG (d)      |                    | U A        |
| <b>VistaGlass Direct ; Coral Springs, FL</b>                   |           |                   |                  |                    |            | 4175                                                                      | COMPOSITE | 3/16              | 5.0 TPG (d)      |                    | U A        |
| 6535                                                           | COMPOSITE | 5/32              | 4.0 TTG          |                    | U A        | 4176                                                                      | COMPOSITE | 3/8               | 10.0 TPG (s)     |                    | U A        |
| 6536                                                           | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        | <b>W.C.P., Inc dba West Coast Insulated Glass Products ; Cerritos, CA</b> |           |                   |                  |                    |            |
| 6537                                                           | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        | 6084                                                                      | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        |
| 6538                                                           | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        | 6085                                                                      | COMPOSITE | 5/32              | 4.0 TTG          |                    | U A        |
| 6539                                                           | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        | 6086                                                                      | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 6521                                                           | COMPOSITE | (S)               | 6 LTG (ev)(A)    | (.060)             | U A        | 6087                                                                      | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 6082                                                           | COMPOSITE | (H)               | 10 LTG (ev)(A)   | (.030)             | U A        | 6088                                                                      | COMPOSITE | 1/8               | 3.0 TPG (s)      |                    | U A        |
| 6015                                                           | COMPOSITE | (H)               | 12 LTG (ev)(A)   | (.030)             | U A        | 6089                                                                      | COMPOSITE | 5/32              | 4.0 TPG (m)      |                    | U A        |
| <b>Vitemex ; Reynosa, Tamaulipas Mexico</b>                    |           |                   |                  |                    |            | 6090                                                                      | COMPOSITE | 3/16              | 5.0 TPG (d)      |                    | U A        |
| 5393                                                           | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        | 6091                                                                      | COMPOSITE | (S)               | 6 LTG (b)(A)     | (.030)             | U A        |
| 5394                                                           | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        | 6092                                                                      | COMPOSITE | (H)               | 10-12 LTG (b)(A) | (.030)             | U A        |
| 5395                                                           | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        | <b>WGM Fabricators, LLC ; Whitinsville, MA</b>                            |           |                   |                  |                    |            |
| <b>Vitra Vidrios Transformados SA de CV ; Cortes, Honduras</b> |           |                   |                  |                    |            | 6364                                                                      | COMP+CAN  | 1/8               | 3.0 TTG          |                    | U A        |
| 5037                                                           | COMPOSITE | 5/32              | 4.0 TTG          |                    | U A        | 6365                                                                      | COMP+CAN  | 5/32              | 4.0 TTG          |                    | U A        |
| 4651                                                           | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        | 6366                                                                      | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 4652                                                           | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        | 6367                                                                      | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 4653                                                           | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        | 6368                                                                      | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 4654                                                           | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        | 6369                                                                      | COMP+CAN  | 1/2               | 12.0 TTG         |                    | U A        |
| 4655                                                           | COMPOSITE | 1/2               | 12.0 TTG         |                    | U A        | 6370                                                                      | COMP+CAN  | 5/8               | 16.0 TTG         |                    | U A        |
| <b>Vitro Architectural Glass ; Barrie, ON</b>                  |           |                   |                  |                    |            | 6371                                                                      | COMP+CAN  | 3/4               | 19.0 TTG         |                    | U A        |
| 5207                                                           | COMP+CAN  | 1/8               | 3.0 TTG          |                    | U A        | <b>Whalley Glass Co ; Derby, CT</b>                                       |           |                   |                  |                    |            |
| 5204                                                           | COMP+CAN  | 5/32              | 4.0 TTG          |                    | U A        | 6226                                                                      | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        |
| 5205                                                           | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        | 6227                                                                      | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 5206                                                           | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        | 6228                                                                      | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| <b>Vitro Flat Glass, LLC ; Wichita Falls, TX</b>               |           |                   |                  |                    |            | 6229                                                                      | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
| 1110                                                           | COMPOSITE | 1/8               | 3.0 TTG          |                    | U A        | <b>White Aluminum Enterprises LLC ; Abu Dhabi, United Arab Emirates</b>   |           |                   |                  |                    |            |
| 1111                                                           | COMPOSITE | 5/32              | 4.0 TTG          |                    | U A        | 4598                                                                      | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 1112                                                           | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        | 4597                                                                      | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        |
| 1113                                                           | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |                                                                           |           |                   |                  |                    |            |
| 3577                                                           | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        |                                                                           |           |                   |                  |                    |            |
| 3578                                                           | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |                                                                           |           |                   |                  |                    |            |

## 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>Wholesale Glass Dist. ; Memphis, TN</b>                           |           |                   |                |                    |            | <b>Xianning CSG Energy Conservation Glass Co., LTD. ; Xianning, Hubei</b>  |           |                   |                  |                    |            |
| 4379                                                                 | COMPOSITE | 3/16              | 5.0 TTG        |                    | U A        | 5978                                                                       | COMPOSITE | 5/32              | 4.0 TTG          |                    | U A        |
| 4380                                                                 | COMPOSITE | 1/4               | 6.0 TTG        |                    | U A        | 5979                                                                       | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
| 4381                                                                 | COMPOSITE | 3/8               | 10.0 TTG       |                    | U A        | 6004                                                                       | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
| 4382                                                                 | COMPOSITE | 1/2               | 12.0 TTG       |                    | U A        | 6005                                                                       | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        |
| <b>WinTech ; Monett, MO</b>                                          |           |                   |                |                    |            | 5980                                                                       | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
| 6433                                                                 | COMP+CAN  | 1/8               | 3.0 TTG        |                    | U A        | 5981                                                                       | COMPOSITE | 1/2               | 12.0 TTG *       |                    | U A        |
| 6434                                                                 | COMP+CAN  | 1/4               | 6.0 TTG        |                    | U A        | 5982                                                                       | COMPOSITE | *                 | 15.0 TTG (3)     |                    | U A        |
| <b>Wisconsin Shower Door &amp; Supply Corp ; Menomonee Falls, WI</b> |           |                   |                |                    |            | 5983                                                                       | COMPOSITE | 3/4               | 19.0 TTG         |                    | U A        |
| 5585                                                                 | COMPOSITE | 1/8               | 3.0 TTG        |                    | U A        | 5984                                                                       | COMPOSITE | (H)               | 8,12 LTG (b)(A)  | (.030)             | U A        |
| 5587                                                                 | COMPOSITE | 3/16              | 5.0 TTG        |                    | U A        | <b>Xinyi Glass (Tianjin) Co. Ltd. ; Tianjin, China</b>                     |           |                   |                  |                    |            |
| 5588                                                                 | COMPOSITE | 1/4               | 6.0 TTG        |                    | U A        | 5532                                                                       | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 5589                                                                 | COMPOSITE | 3/8               | 10.0 TTG       |                    | U A        | 5533                                                                       | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 5590                                                                 | COMPOSITE | 1/2               | 12.0 TTG       |                    | U A        | 5534                                                                       | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        |
| 5592                                                                 | COMPOSITE | 1/8               | 3.0 TPG (s)    |                    | U A        | 5535                                                                       | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 5593                                                                 | COMPOSITE | 5/32              | 4.0 TPG (m)    |                    | U A        | 5536                                                                       | COMP+CAN  | 1/2               | 12.0 TTG         |                    | U A        |
| 5594                                                                 | COMPOSITE | 3/16              | 5.0 TPG (s)    |                    | U A        | 6329                                                                       | COMP+CAN  | *                 | 15.0 TTG (3)     |                    | U A        |
| 5595                                                                 | COMPOSITE | 1/4               | 6.0 TPG (m)    |                    | U A        | 5538                                                                       | COMP+CAN  | (S)               | 6 LTG (b)(A)     | (.030)             | U A        |
| 5596                                                                 | COMPOSITE | 3/8               | 10.0 TPG (m)   |                    | U A        | 5539                                                                       | COMP+CAN  | (H)               | 8-16+ LTG (b)(A) | (.030)             | U A        |
| 5597                                                                 | COMPOSITE | 1/2               | 12.0 TPG (m)   |                    | U A        | <b>Xinyi Group (Glass) Co., Ltd. ; Dongguan, Guangdong, China</b>          |           |                   |                  |                    |            |
| <b>Wolverine Glass Products, Inc. ; Grand Rapids, MI</b>             |           |                   |                |                    |            | 3085                                                                       | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 5425                                                                 | COMP+CAN  | 1/8               | 3.0 TTG        |                    | U A        | 3053                                                                       | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 5426                                                                 | COMP+CAN  | 5/32              | 4.0 TTG        |                    | U A        | 4648                                                                       | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        |
| 5427                                                                 | COMP+CAN  | 3/16              | 5.0 TTG        |                    | U A        | 3054                                                                       | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 5428                                                                 | COMP+CAN  | 1/4               | 6.0 TTG        |                    | U A        | 3055                                                                       | COMP+CAN  | *                 | 12.0 TTG (4)     |                    | U A        |
| 5429                                                                 | COMP+CAN  | 5/16              | 8.0 TTG        |                    | U A        | 4179                                                                       | COMP+CAN  | *                 | 15.0 TTG (3)     |                    | U A        |
| 5430                                                                 | COMP+CAN  | 3/8               | 10.0 TTG       |                    | U A        | 3056                                                                       | COMP+CAN  | (S)               | 6 LTG (b)(A)     | (.030)             | U A        |
| 5431                                                                 | COMP+CAN  | 1/2               | 12.0 TTG       |                    | U A        | 3489                                                                       | COMP+CAN  | (H)               | 8-16+ LTG (b)(A) | (.030)             | U A        |
| 6059                                                                 | COMP+CAN  | 1/8               | 3.0 TPG (m)    |                    | U A        | <b>Yao Xiang Glass Product Co. Ltd. ; Foshan, Guangdong, China</b>         |           |                   |                  |                    |            |
| 6060                                                                 | COMP+CAN  | 5/32              | 4.0 TPG (m)    |                    | U A        | 3736                                                                       | COMP+CAN  | 5/32              | 4.0 TTG          |                    | U A        |
| <b>WSD Glass, Inc. ; Winston-Salem, NC</b>                           |           |                   |                |                    |            | 3737                                                                       | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 4048                                                                 | COMPOSITE | 3/16              | 5.0 TTG        |                    | U A        | 3738                                                                       | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 4049                                                                 | COMPOSITE | 1/4               | 6.0 TTG        |                    | U A        | 3739                                                                       | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        |
| 4052                                                                 | COMPOSITE | 3/8               | 10.0 TTG       |                    | U A        | 3740                                                                       | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 4050                                                                 | COMPOSITE | 1/2               | 12.0 TTG       |                    | U A        | 3741                                                                       | COMP+CAN  | 1/2               | 12.0 TTG         |                    | U A        |
| 4051                                                                 | COMPOSITE | 3/16              | 5.0 TPG (s)    |                    | U A        | 3742                                                                       | COMP+CAN  | 3/16              | 5.0 TBG          |                    | U A        |
| <b>Wujiang Golden Glass Technologies, Ltd. ; Wujiang City,</b>       |           |                   |                |                    |            | 3743                                                                       | COMP+CAN  | 1/4               | 6.0 TBG          |                    | U A        |
| 5251                                                                 | COMPOSITE | 1/4               | 6.0 TTG        |                    | U A        | <b>Yitian (Cattis) Glass Product Co., Ltd ; Foshan, Guangdong, China</b>   |           |                   |                  |                    |            |
| 5252                                                                 | COMPOSITE | 5/16              | 8.0 TTG        |                    | U A        | 6452                                                                       | COMP+CAN  | 3/16              | 5.0 TTG          |                    | U A        |
| 5253                                                                 | COMPOSITE | 3/8               | 10.0 TTG       |                    | U A        | 6453                                                                       | COMP+CAN  | 1/4               | 6.0 TTG          |                    | U A        |
| 5254                                                                 | COMPOSITE | 1/2               | 12.0 TTG       |                    | U A        | 6454                                                                       | COMP+CAN  | 5/16              | 8.0 TTG          |                    | U A        |
| 5255                                                                 | COMPOSITE | *                 | 15.0 TTG (3)   |                    | U A        | 6455                                                                       | COMP+CAN  | 3/8               | 10.0 TTG         |                    | U A        |
| 5256                                                                 | COMPOSITE | 3/4               | 19.0 TTG       |                    | U A        | 6456                                                                       | COMP+CAN  | 3/16              | 5.0 TBG          |                    | U A        |
| 5257                                                                 | COMPOSITE | (H)               | 8 LTG (b)(A)   | (.030)             | U A        | 6457                                                                       | COMP+CAN  | 1/4               | 6.0 TBG          |                    | U A        |
| 5258                                                                 | COMPOSITE | (H)               | 10 LTG (ip)(A) | (.035)             | U A        | 6458                                                                       | COMP+CAN  | 5/16              | 8.0 TBG          |                    | U A        |
|                                                                      |           |                   |                |                    |            | <b>Yong Feng Tai Foshan City Glas Co., LTD. ; Foshan, Guangdong, China</b> |           |                   |                  |                    |            |
|                                                                      |           |                   |                |                    |            | 5890                                                                       | COMPOSITE | 3/16              | 5.0 TTG          |                    | U A        |
|                                                                      |           |                   |                |                    |            | 5891                                                                       | COMPOSITE | 1/4               | 6.0 TTG          |                    | U A        |
|                                                                      |           |                   |                |                    |            | 5892                                                                       | COMPOSITE | 5/16              | 8.0 TTG          |                    | U A        |
|                                                                      |           |                   |                |                    |            | 5893                                                                       | COMPOSITE | 3/8               | 10.0 TTG         |                    | U A        |
|                                                                      |           |                   |                |                    |            | 5894                                                                       | COMPOSITE | 1/4               | 6.0 TBG          |                    | U A        |

**Certified Products-Alphabetical By Plant**

| <i>SGCC#</i>                                                   | <i>TEST STD</i> | <i>INCHES</i>     | <i>(MM)</i> | <i>TYPE</i> | <i>MAX SIZE</i>  | <i>ANSI</i>  | <i>SGCC#</i> | <i>TEST STD</i> | <i>INCHES</i>     | <i>(MM)</i> | <i>TYPE</i> | <i>MAX SIZE</i>  | <i>ANSI</i>  |
|----------------------------------------------------------------|-----------------|-------------------|-------------|-------------|------------------|--------------|--------------|-----------------|-------------------|-------------|-------------|------------------|--------------|
|                                                                |                 | <i>(THICKNESS</i> |             |             | <i>CERTIFIED</i> | <i>CLASS</i> |              |                 | <i>(THICKNESS</i> |             |             | <i>CERTIFIED</i> | <i>CLASS</i> |
|                                                                |                 | <i>CLASS)</i>     |             |             |                  |              |              |                 | <i>CLASS)</i>     |             |             |                  |              |
| <b>Zhangjiagang City Daming Glass Product Co., Ltd ;</b>       |                 |                   |             |             |                  |              |              |                 |                   |             |             |                  |              |
| <b>Zhangjiagang City, Jiangsu</b>                              |                 |                   |             |             |                  |              |              |                 |                   |             |             |                  |              |
| 5464                                                           | COMP+CAN        | 5/16              |             | 8.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| 5465                                                           | COMP+CAN        | 3/8               |             | 10.0 TTG    |                  | U A          |              |                 |                   |             |             |                  |              |
| 5466                                                           | COMP+CAN        | 1/2               |             | 12.0 TTG    |                  | U A          |              |                 |                   |             |             |                  |              |
| <b>Zhangjiagang Weiyu Fabricated Glass Co. Ltd. ;</b>          |                 |                   |             |             |                  |              |              |                 |                   |             |             |                  |              |
| <b>Zhangjiagang, Jiangsu, China</b>                            |                 |                   |             |             |                  |              |              |                 |                   |             |             |                  |              |
| 5737                                                           | COMPOSITE       | 1/8               |             | 3.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| 5738                                                           | COMPOSITE       | 5/32              |             | 4.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| 5739                                                           | COMPOSITE       | 3/16              |             | 5.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| 5740                                                           | COMPOSITE       | 1/4               |             | 6.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| <b>Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd ;</b> |                 |                   |             |             |                  |              |              |                 |                   |             |             |                  |              |
| <b>Hangzhou, Zhejiang, China</b>                               |                 |                   |             |             |                  |              |              |                 |                   |             |             |                  |              |
| 5077                                                           | COMP+CAN        | 3/16              |             | 5.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| 5078                                                           | COMP+CAN        | 1/4               |             | 6.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| 5079                                                           | COMP+CAN        | 5/16              |             | 8.0 TTG     |                  | U A          |              |                 |                   |             |             |                  |              |
| 5080                                                           | COMP+CAN        | 3/8               |             | 10.0 TTG    |                  | U A          |              |                 |                   |             |             |                  |              |
| 5081                                                           | COMP+CAN        | 1/2               |             | 12.0 TTG *  |                  | U A          |              |                 |                   |             |             |                  |              |

**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       |
| LPG  | LAMINATED PATTERNED 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 |

**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 Code**

|      |                                                                   |
|------|-------------------------------------------------------------------|
| 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 Code**

|      |                                              |
|------|----------------------------------------------|
| (S)  | STANDARD THICKNESS CLASS FOR LAMINATED GLASS |
| (H)  | HEAVY THICKNESS CLASS FOR LAMINATED GLASS    |
| (A)  | ANNEALED                                     |
| (HS) | HEAT STRENGTHENED                            |
| (T)  | TEMPERED                                     |
| (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>3/8 Inch Vacuum Insulating Glass Tempered</i> |                     |               |                 |               |                               |                       |
| LandGlass Technology Co., LTD                    | Luoyang, China      | 6476          | COMPOSITE       |               | 100 U                         | A                     |
| <i>1/2 Inch Vacuum Insulating Glass Tempered</i> |                     |               |                 |               |                               |                       |
| Henan Longwang Tempered Vacuum Glass Ltd.        | Mengzhou, Henan     | 6640          | COMPOSITE       |               | 100 U                         | A                     |
| <b><u>Tempered Transparent Glass</u></b>         |                     |               |                 |               |                               |                       |
| <i>1/8 Inch Tempered Transparent Glass</i>       |                     |               |                 |               |                               |                       |
| 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       |               | 100 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 Distributors                  | 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           | 5870          | COMP+CAN        |               | 195 U                         | A                     |
| Cameron Glass, Inc.                              | Broken Arrow, OK    | 4832          | COMPOSITE       |               | 500 U                         | A                     |
| Cardinal CG                                      | Loveland, CO        | 3579          | COMPOSITE       |               | 500 U                         | A                     |
| Cardinal CG                                      | Buford, GA          | 1921          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CG                                      | Spring Green, WI    | 2067          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal CG                                      | Galt, CA            | 2357          | COMPOSITE       |               | 125 U                         | A                     |
| Cardinal CG                                      | Moreno Valley, CA   | 2293          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CG                                      | Waxahachie, TX      | 2699          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal CG                                      | Mazomanie, WI       | 4780          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                      | Northfield, MN      | 1985          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                      | Tumwater, WA        | 2007          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal CT                                      | Utica, OH           | 4620          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal CT                                      | Mount Airy, NC      | 4578          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CT                                      | Adel, GA            | 5095          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CT                                      | Easton, PA          | 4756          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal CT                                      | Los Angeles, CA     | 5085          | COMP+CAN        |               | 250 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                     |
| Cardinal IG                                      | Ocala, FL           | 3505          | COMPOSITE       |               | 285 U                         | A                     |
| Cardinal IG                                      | Casa Grande, AZ     | 2878          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal IG                                      | Tomah, WI           | 2317          | COMP+CAN        |               | 600 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                                      | Spring Green, WI                  | 1831          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                      | Greenfield, IA                    | 1827          | COMP+CAN        | 500 U         | A                             |                       |
| Cardinal IG                                      | Mountain Top, PA                  | 3068          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal IG                                      | Hood River, OR                    | 2831          | COMP+CAN        | 195 U         | A                             |                       |
| Cardinal IG                                      | Fargo, ND                         | 2235          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                      | Waxahachie, TX                    | 2328          | COMP+CAN        | 175 U         | A                             |                       |
| Cardinal IG                                      | Vinton, VA                        | 2919          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal IG                                      | Fremont, IN                       | 2176          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                      | Buckeye, AZ                       | 6556          | COMP+CAN        | 125 U         | A                             |                       |
| Cardinal TG                                      | Tomah, WI                         | 1804          | COMP+CAN        | 600 U         | A                             |                       |
| Cardinal TG                                      | Chehalis, WA                      | 3455          | COMP+CAN        | 195 U         | A                             |                       |
| Changshu Hard Glass Co., Ltd.                    | Changshu, Jiangsu, China          | 2904          | COMPOSITE       | 125 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 Bldg. Mat. Co.                 | Changshu City, China              | 2432          | COMP+CAN        | 750 U         | A                             |                       |
| Changshu Zhouxing Glass Co. Ltd.                 | Changshu, Jiangsu Province, China | 4936          | COMPOSITE       | 125 U         | A                             |                       |
| ClearEdge Glass                                  | Baton Rouge, LA                   | 5308          | COMPOSITE       | 175 U         | A                             |                       |
| Cleer Vision Tempered Glass                      | Elkhart, IN                       | 4546          | COMP+CAN        | 200 U         | A                             |                       |
| Commercial Insulating Glass Co.                  | Sarasota, FL                      | 1889          | COMPOSITE       | 285 30x76     | A                             |                       |
| Commercial Insulating Glass Co.                  | Cumberland City, TN               | 3806          | COMPOSITE       | 165 U         | 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                             |                       |
| Coral Industries Glass Division                  | Tuscaloosa, AL                    | 3420          | COMPOSITE       | 165 U         | A                             |                       |
| Custom Glass Solutions Millbury Corp.            | Millbury, OH                      | 6353          | COMPOSITE       | 200 U         | A                             |                       |
| Custom Industries, Inc.                          | Anaheim, CA                       | 6230          | COMP+CAN        | 250 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 30x72     | A                             |                       |
| Flat Glass Distributors                          | Jacksonville, FL                  | 3822          | COMPOSITE       | 285 U         | A                             |                       |
| General Glass                                    | Vanvouver, WA                     | 4031          | COMPOSITE       | 195 U         | A                             |                       |
| Glass & Mirror Craft                             | Wixom, MI                         | 4198          | COMP+CAN        | 150 U         | A                             |                       |
| Glass Dynamics, Inc.                             | Stoneville, NC                    | 2728          | COMPOSITE       | 285 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                                  | South Gate, CA                    | 4804          | COMPOSITE       | 250 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.                       | Nampa, ID                         | 6607          | COMPOSITE       | 175 U         | A                             |                       |
| Glaz-Tech Industries, Inc.                       | Santa Teresa, NM                  | 6599          | COMPOSITE       | 175 U         | A                             |                       |
| Glenny Glass Co.                                 | Milford, OH                       | 3841          | COMPOSITE       | 200 U         | A                             |                       |
| Global Security Glazing                          | Selma, AL                         | 4764          | 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>1/8 Inch Tempered Transparent Glass</i> |                          |               |                 |               |                               |                       |
| Guardian Glass, LLC                        | Kingsburg, CA            | 968           | COMP+CAN        | IN            | 125 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          | COMPOSITE       |               | 400 U                         | A                     |
| Guardian Glass, LLC                        | Carleton, MI             | 933           | COMPOSITE       |               | 200 U                         | A                     |
| Guardian Glass, LLC                        | DeWitt, IA               | 2020          | COMPOSITE       |               | 500 U                         | A                     |
| Guardian IG LLC                            | Sun Prairie, WI          | 5640          | COMP+CAN        |               | 600 U                         | A                     |
| Guardian Industries Corp.                  | Galax, VA                | 4604          | COMP+CAN        |               | 285 U                         | A                     |
| Huachuang Longfei Glass Co., Ltd.          | Heibei China             | 6041          | COMPOSITE       |               | 250 U                         | A                     |
| Innovative Glass of America, Inc.          | Dallas, NC               | 3859          | COMPOSITE       |               | 165 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        |               | 200 U                         | A                     |
| J&C International Ltd.                     | Ontario, Canada          | 6676          | COMP+CAN        |               | 850 U                         | A                     |
| Jiangyin Mingyang Glass Production         | Jiangyin City, Jiangsu   | 5777          | COMPOSITE       |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co., Ltd      | Guangdong                | 6623          | COMPOSITE       |               | 250 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                     |
| M Industria S.A. DE C.V.                   | Merida, Yucatan Mexico   | 5761          | COMPOSITE       |               | 285 U                         | A                     |
| Manko Windows                              | Des Moines, IA           | 6286          | COMPOSITE       |               | 500 U                         | A                     |
| Maryland Glass & Mirror                    | Baltimore, MD            | 4318          | COMPOSITE       |               | 100 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       |               | 100 U                         | A                     |
| New Angle Beveling                         | Hyde, PA                 | 4593          | COMPOSITE       |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Los Angeles, CA          | 1608          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Concord, ON              | 3439          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Vancouver, WA            | 3219          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Warrenton, MO            | 3144          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Covington, GA            | 3329          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Grand Prairie, TX        | 3250          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Tampa, FL                | 3116          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Albertville, MN          | 3104          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Shawnee, OK              | 3095          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Hauppauge, NY            | 1546          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Moorestown, NJ           | 3180          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Fremont, CA              | 3191          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Miami, FL                | 3496          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Denver, CO               | 3310          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Langley, BC              | 3286          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Rock Hill, SC            | 3276          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Wright City, MO          | 3137          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Indianapolis, IN         | 2210          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Perrysburg, OH           | 3233          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Schofield, WI            | 3167          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Phoenix, AZ              | 3128          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Houston, TX              | 3156          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                | Calgary, AB              | 3263          | COMP+CAN        |               | 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>1/8 Inch Tempered Transparent Glass</i>                     |                                     |               |                 |               |                               |                       |
| Paragon Tempered Glass                                         | Antwerp, OH                         | 2684          | COMPOSITE       |               | 500 U                         | A                     |
| Patio Enclosures                                               | Macedonia, OH                       | 6022          | COMPOSITE       |               | 200 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                                                 | Nokomis, FL                         | 2389          | COMPOSITE       |               | 285 U                         | A                     |
| Prelco Inc.                                                    | Riviere-du-loup, QC                 | 2034          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                                    | Saint-Jacques, NB                   | 4911          | COMP+CAN        |               | 800 U                         | A                     |
| Produits Verrier International Inc.                            | Montreal, Quebec                    | 5498          | COMP+CAN        |               | 100 U                         | A                     |
| Qingdao Jinjing Co., Ltd.                                      | Qingdao City, Shandong China        | 5613          | COMP+CAN        |               | 125 U                         | A                     |
| Qinhuangdao Ampac Building Products Co., Ltd.                  | Qinhuangdao Hebei, China            | 5899          | COMPOSITE       |               | 100 U                         | A                     |
| Qinhuangdao Detai Tempered Glass Co., Ltd.                     | Qinhuangdao, Hebei, China           | 4156          | COMPOSITE       |               | 100 U                         | A                     |
| Qinhuangdao Jingxin Glass Co., Ltd.                            | Qinhuangdao City, Hebei Province    | 5280          | COMPOSITE       |               | 100 U                         | A                     |
| Qinhuangdao Kunping Safety Glass Co. Ltd.                      | Qinhuangdao, Hebei, China           | 3730          | 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 Canada                   | 3978          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Ottawa                                                   | Stittsville, ON                     | 4949          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Rexdale                                                  | Rexdale, ON                         | 4995          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto                                                  | Toronto, ON Canada                  | 2481          | COMP+CAN        |               | 450 U                         | A                     |
| Saand Webster                                                  | Webster, MA                         | 300           | COMPOSITE       |               | 100 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                     |
| Shixing Glass (Fujian) Co., Ltd.                               | Kowloon Bay, Hongkong               | 6485          | 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                                               | Ellenboro, WV                       | 2887          | COMPOSITE       |               | 850 U                         | A                     |
| Simonton Windows                                               | Paris, IL                           | 4979          | COMPOSITE       |               | 150 U                         | A                     |
| Solar Seal Connecticut                                         | Hamden, CT                          | 6308          | COMPOSITE       |               | 100 U                         | A                     |
| Solar Seal Massachusetts                                       | South Easton, MA                    | 3001          | COMPOSITE       |               | 800 U                         | A                     |
| 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                     |
| 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                     |
| 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                     |

**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>             |                              |               |                 |               |                               |                       |
| Trulite Glass and Aluminum Solutions                   | Cheswick, PA                 | 1784          | COMPOSITE       | 100 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Bradenton, FL                | 5859          | COMPOSITE       | 285 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Fort Worth, TX               | 5396          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Youngsville, NC              | 5272          | COMPOSITE       | 165 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Grenada, MS                  | 2787          | COMPOSITE       | 500 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | New Berlin, WI               | 5876          | COMPOSITE       | 150 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Salt Lake City, UT           | 6447          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Indianapolis, IN             | 4749          | COMPOSITE       | 200 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Tulsa, OK                    | 5687          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Las Vegas, NV                | 4210          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Fresno, CA                   | 5820          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Houston, TX                  | 5432          | COMP+CAN        | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Knoxville, TN                | 4209          | COMPOSITE       | 285 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Fremont, CA                  | 5792          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Phoenix, AZ                  | 5700          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Sacramento, CA               | 5807          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Columbus, OH                 | 4745          | COMPOSITE       | 200 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | City of Industry, CA         | 4182          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | San Antonio, TX              | 3645          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                   | Aurora, CO                   | 5341          | COMPOSITE       | 175 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          | COMPOSITE       | 800 U         | A                             |                       |
| United Plate Glass Company of<br>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                             |                       |
| Verre Concept Novatech                                 | Montreal, Quebec             | 6217          | COMP+CAN        | 450 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 (formerly PPG)                   | Carlisle, PA                 | 250           | COMP+CAN        | 400 U         | A                             |                       |
| Viwinco, Inc.                                          | Morgantown, PA               | 3074          | COMPOSITE       | 100 U         | A                             |                       |
| W. A. Wilson Inc.                                      | Wheeling, WV                 | 4169          | COMPOSITE       | 200 U         | A                             |                       |
| W.C.P., Inc dba West Coast Insulated<br>Glass Products | Cerritos, CA                 | 6084          | COMPOSITE       | 250 U         | A                             |                       |
| WGM Fabricators, LLC                                   | Whitinsville, MA             | 6364          | COMP+CAN        | 100 U         | A                             |                       |
| Whalley Glass Co                                       | Derby, CT                    | 6226          | COMPOSITE       | 100 U         | A                             |                       |
| WinTech                                                | Monett, MO                   | 6433          | COMP+CAN        | 500 U         | A                             |                       |
| Wisconsin Shower Door & Supply<br>Corp                 | 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<br>Co. Ltd.        | Zhangjiagang, Jiangsu, China | 5737          | COMPOSITE       | 250 U         | A                             |                       |
| <i>5/32 Inch Tempered Transparent Glass</i>            |                              |               |                 |               |                               |                       |
| AGC Flat Glass North America                           | Greenland, TN                | 955           | COMP+CAN        | 285 U         | A                             |                       |
| AGC Flat Glass North America                           | Spring Hill, KS              | 1703          | COMP+CAN        | 500 U         | A                             |                       |
| AGC/Poma Glass Co. N.A.                                | Boardman, OH                 | 5472          | COMP+CAN        | 800 U         | A                             |                       |
| AGC-Poma Glass Co. N.A.                                | Quakertown, PA               | 3421          | COMPOSITE       | 100 U         | A                             |                       |
| Aldora Aluminum and Glass Products<br>Inc.             | Charleston, SC               | 4329          | COMPOSITE       | 285 U         | A                             |                       |
| All Counties Glass Distributors                        | Stockton, CA                 | 6410          | COMP+CAN        | 125 U         | A                             |                       |
| All Glass (Suqian) Limited                             | Suqian City, Jiangsu         | 6016          | 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> |
|--------------------------------------------|-----------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 5/32 Inch Tempered Transparent Glass       |                                   |               |                 |               |                               |                       |
| 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 | Zhongsan City, Guangdong Province | 5865          | COMPOSITE       |               | 285 U                         | A                     |
| ATI Windows                                | Riverside, CA                     | 5636          | COMPOSITE       |               | 250 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.            | Beijing, China                    | 5558          | COMPOSITE       |               | 125 U                         | A                     |
| Bel Shower Door Corporation                | Englewood, CO                     | 6469          | COMP+CAN        |               | 250 U                         | A                     |
| Bronco Industries, Inc.                    | Delta, BC                         | 5871          | COMP+CAN        |               | 195 U                         | A                     |
| BVGLAZING SYSTEMS                          | Concord, ON                       | 6134          | COMP+CAN        |               | 450 U                         | A                     |
| Cardinal CG                                | Tumwater, WA                      | 2008          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal CG                                | Spring Green, WI                  | 2068          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal CG                                | Mazomanie, WI                     | 4781          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                | Loveland, CO                      | 3580          | COMPOSITE       |               | 500 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                                | Buford, GA                        | 1922          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CG                                | Waxahachie, TX                    | 2700          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal CG                                | Galt, CA                          | 2358          | COMPOSITE       |               | 125 U                         | A                     |
| Cardinal CT                                | Adel, GA                          | 5096          | COMP+CAN        |               | 165 U                         | A                     |
| Cardinal CT                                | Los Angeles, CA                   | 5086          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal CT                                | Utica, OH                         | 4621          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal CT                                | Easton, PA                        | 4757          | COMP+CAN        |               | 100 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                                | Spring Green, WI                  | 5910          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                | Hood River, OR                    | 2858          | COMP+CAN        |               | 195 U                         | A                     |
| Cardinal IG                                | Waxahachie, TX                    | 2329          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal IG                                | Fremont, IN                       | 2177          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                | Mountain Top, PA                  | 3069          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal IG                                | Fargo, ND                         | 2234          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                | Vinton, VA                        | 2920          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal IG                                | Tomah, WI                         | 2318          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal IG                                | Greenfield, IA                    | 1828          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal IG                                | Ocala, FL                         | 3506          | COMPOSITE       |               | 285 U                         | A                     |
| Cardinal IG                                | Casa Grande, AZ                   | 2879          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal IG                                | Buckeye, AZ                       | 6522          | COMP+CAN        |               | 125 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 Hard Glass Co., Ltd.              | Changshu, Jiangsu, China          | 2987          | COMPOSITE       |               | 125 U                         | A                     |
| Changshu Weier Glass Products Co. Ltd.     | Changshu, Jiangsu, China          | 5352          | COMPOSITE       |               | 195 U                         | A                     |
| Changshu Zhongxin Bldg. Mat. Co.           | Changshu City, China              | 6191          | COMP+CAN        |               | 750 U                         | A                     |
| Chicago Tempered Glass, Inc.               | Chicago, IL                       | 3086          | COMPOSITE       |               | 200 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>    |                             |               |                 |               |                               |                       |
| Cleer Vision Tempered Glass                    | Elkhart, IN                 | 4547          | COMP+CAN        |               | 200 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                     |
| 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                     |
| Diamond Sea Glaze                              | Langley, BC Canada          | 4499          | COMPOSITE       |               | 750 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.     | Dongguan, Guangdong, China  | 3932          | COMP+CAN        |               | 125 U                         | A                     |
| Dongguan Trillion Aluminum Glass Co., Ltd      | Dongguan, Guangdong, China  | 5861          | COMPOSITE       |               | 285 U                         | A                     |
| EFI                                            | Kernersville, NC            | 5014          | COMP+CAN        |               | 165 U                         | A                     |
| Engineered Glass Products, L.L.C.              | Chicago, IL                 | 2589          | COMPOSITE       |               | 200 30x72                     | A                     |
| Fairis C.A.                                    | Ambato, Tungurahua, Ecuador | 4425          | COMPOSITE       |               | 285 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory | Foshan, Guangdong, China    | 4673          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Fujian Guangyao Glass Co., LTD.                | Zhangzhou City, China       | 6237          | COMP+CAN        |               | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd  | Nan'an Fujian China         | 5216          | COMPOSITE       |               | 285 U                         | A                     |
| General Glass                                  | Vanvouver, WA               | 4032          | COMPOSITE       |               | 195 U                         | A                     |
| GGI Glass Distributors Corp.                   | Secaucus, NJ                | 2928          | COMPOSITE       | (IN)          | 100 U                         | A                     |
| Glass & Mirror Craft                           | Wixom, MI                   | 5116          | COMP+CAN        |               | 150 U                         | A                     |
| Glasswerks GWA                                 | South Gate CA               | 5480          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWLA                                | South Gate, CA              | 5882          | COMPOSITE       |               | 250 U                         | A                     |
| Goldray Industries Ltd.                        | Calgary, AB Canada          | 2445          | COMP+CAN        |               | 195 U                         | A                     |
| Guardian Glass, LLC                            | Corsicana, TX               | 1249          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                            | Carleton, MI                | 934           | COMPOSITE       |               | 200 U                         | A                     |
| Guardian Glass, LLC                            | Geneva, NY                  | 2260          | COMPOSITE       |               | 400 U                         | A                     |
| Guardian Glass, LLC                            | Richburg, SC                | 1631          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                            | Kingsburg, CA               | 969           | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                            | DeWitt, IA                  | 2021          | COMPOSITE       | IN            | 500 U                         | A                     |
| Guardian IG LLC                                | Sun Prairie, WI             | 5641          | COMP+CAN        |               | 600 U                         | A                     |
| Guardian Industries Corp.                      | Galax, VA                   | 4605          | COMP+CAN        |               | 285 U                         | A                     |
| Huahui Glass (China) Co., LD                   | Quanzhou City, China        | 5843          | COMPOSITE       |               | 285 U                         | A                     |
| Innovative Glass of America, Inc.              | Dallas, NC                  | 3860          | COMPOSITE       |               | 165 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        |               | 200 U                         | A                     |
| Intus Windows LLC                              | Kielce, Poland              | 6200          | COMPOSITE       |               | 100 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.        | Jiangmen, Guangdong, China  | 4303          | COMP+CAN        |               | 125 U                         | A                     |
| Jiangyin Mingyang Glass Production             | Jiangyin City, Jiangsu      | 5778          | COMPOSITE       |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co., Ltd          | Guangdong                   | 6624          | COMPOSITE       |               | 250 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                     |
| M Industria S.A. DE C.V.                       | Merida, Yucatan Mexico      | 6480          | COMPOSITE       |               | 285 U                         | A                     |
| Manko Windows                                  | Des Moines, IA              | 6287          | COMPOSITE       |               | 500 U                         | A                     |
| Midwest Glass Fabricators Inc.                 | Highland, MI                | 6028          | COMP+CAN        |               | 200 U                         | A                     |
| Multiver                                       | Vanier, QC                  | 2629          | 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>5/32 Inch Tempered Transparent Glass</i>       |                              |               |                 |               |                               |                       |
| 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 XinShuGuang Safety Glass Limited Co., Ltd. | Ningbo, China                | 5760          | COMPOSITE       |               | 100 U                         | A                     |
| Ningbo Xinxin Glass Technology Co., Ltd           | Ningbo, China                | 6271          | COMPOSITE       |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Albertville, MN              | 3105          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Houston, TX                  | 3157          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Moorestown, NJ               | 3181          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Warrenton, MO                | 3145          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Vancouver, WA                | 3220          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Denver, CO                   | 3311          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Indianapolis, IN             | 2216          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Grand Prairie, TX            | 3251          | COMP+CAN        |               | 175 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®                       | Shawnee, OK                  | 3096          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Fremont, CA                  | 3192          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Los Angeles, CA              | 1609          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Calgary, AB                  | 3264          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Perrysburg, OH               | 3234          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Concord, ON                  | 3440          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Schofield, WI                | 3168          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Langley, BC                  | 3287          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                       | Wright City, MO              | 3138          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.           | Pointe-aux-Trembles, QC      | 4247          | COMP+CAN        |               | 100 U                         | A                     |
| 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                     |
| Prelco Inc.                                       | Riviere-du-loup, QC          | 2035          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                       | Saint-Jacques, NB            | 4912          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                    | Radomsko, Poland             | 5845          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                    | Tychy, Poland                | 5852          | COMP+CAN        |               | 800 U                         | A                     |
| Produits Verrier International Inc.               | Montreal, Quebec             | 5499          | COMP+CAN        |               | 100 U                         | A                     |
| PT Abebersa Pratama                               | Bekasi, Indonesia            | 3905          | COMPOSITE       |               | 125 U                         | A                     |
| Qingdao Jinjing Co., Ltd.                         | Qingdao City, Shandong China | 5617          | 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                     |
| SAAND London                                      | London, ON Canada            | 4278          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Ottawa                                      | Stittsville, ON              | 4950          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Rexdale                                     | Rexdale, ON                  | 4996          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto                                     | Toronto, ON Canada           | 2482          | COMP+CAN        |               | 450 U                         | A                     |
| Saand Webster                                     | Webster, MA                  | 1607          | COMPOSITE       |               | 100 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                     |
| Shanghai SYP Engineering Glass                    | Shanghai, China              | 4067          | COMP+CAN        |               | 125 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                  | Kowloon Bay, Hongkong        | 6486          | COMPOSITE       |               | 285 U                         | A                     |
| SIGCO, Inc.                                       | Westbrook, ME                | 2962          | COMPOSITE       |               | 100 U                         | A                     |
| Skyline Design                                    | Chicago, IL                  | 6339          | COMP+CAN        |               | 600 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>         |                              |               |                 |               |                               |                       |
| Solar Seal Connecticut                              | Hamden, CT                   | 6309          | COMPOSITE       | 100 U         | A                             |                       |
| Solar Seal Virginia                                 | Stafford, VA                 | 5722          | COMPOSITE       | 100 U         | A                             |                       |
| Tai Shan City Da Heng Art Glass Ltd.                | Tai Shan, Guangdong, China   | 3788          | COMPOSITE       | 750 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                             |                       |
| Techni-Glass, Inc.                                  | Surgoinsville, TN            | 2548          | COMP+CAN        | 285 U         | A                             |                       |
| Tecnoglass S.A.                                     | Barranquilla, Colombia       | 2287          | COMP+CAN        | 285 U         | A                             |                       |
| Templado USA Glass & Aluminum Products              | Barranquilla, Colombia       | 6331          | COMPOSITE       | 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                             |                       |
| 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                | City of Industry, CA         | 4183          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Fort Worth, TX               | 5397          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | New Berlin, WI               | 5317          | COMPOSITE       | 150 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Youngsville, NC              | 5517          | COMPOSITE       | 165 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Sacramento, CA               | 5808          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | San Antonio, TX              | 3646          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Aurora, CO                   | 5348          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Fresno, CA                   | 5821          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Fremont, CA                  | 5793          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Vaughan, ON                  | 5507          | COMP+CAN        | 450 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Tulsa, OK                    | 5443          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Phoenix, AZ                  | 5701          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                | Knoxville, TN                | 4827          | COMPOSITE       | 285 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                             |                       |
| Valentini Glass & Components srl                    | Brescia, Italy               | 2423          | COMPOSITE       | 400 U         | A                             |                       |
| Verre Concept Novatech                              | Montreal, Quebec             | 6218          | COMP+CAN        | 450 U         | A                             |                       |
| View Inc.                                           | Olive Branch, MS             | 4726          | COMPOSITE       | 175 U         | A                             |                       |
| Viracon Inc.                                        | Owatonna, MN                 | 4354          | COMP+CAN        | 150 U         | A                             |                       |
| VistaGlass Direct                                   | 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 (formerly PPG)                | Carlisle, PA                 | 675           | COMP+CAN        | 400 U         | A                             |                       |
| W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA                 | 6085          | COMPOSITE       | 250 U         | A                             |                       |
| WGM Fabricators, LLC                                | Whitinsville, MA             | 6365          | COMP+CAN        | 100 U         | A                             |                       |
| Wolverine Glass Products, Inc.                      | Grand Rapids, MI             | 5426          | COMP+CAN        | 200 U         | A                             |                       |
| Xianning CSG Energy Conservation Glass Co., LTD.    | Xianning, Hubei              | 5978          | COMPOSITE       | 125 U         | A                             |                       |
| Yao Xiang Glass Product Co. Ltd.                    | Foshan, Guangdong, China     | 3736          | COMP+CAN        | 285 U         | A                             |                       |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.        | Zhangjiagang, Jiangsu, China | 5738          | COMPOSITE       | 250 U         | A                             |                       |
| <i>3/16 Inch Tempered Transparent Glass</i>         |                              |               |                 |               |                               |                       |
| 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                             |                       |

**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> |
|--------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 3/16 Inch Tempered Transparent Glass       |                                    |               |                 |               |                               |                       |
| AGC/Poma Glass Co. N.A.                    | Boardman, OH                       | 5473          | COMP+CAN        | 800 U         |                               | A                     |
| AGC-Poma Glass Co. N.A.                    | Quakertown, PA                     | 2509          | COMPOSITE       | 100 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.   | Miramar, FL                        | 4716          | COMPOSITE       | 285 U         |                               | A                     |
| Aldora Aluminum and Glass Products, Inc.   | Orlando, FL                        | 5575          | COMPOSITE       | 285 U         |                               | A                     |
| All Counties Glass Distributors            | 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                     |
| American Shower Door                       | Los Angeles, CA                    | 4616          | COMPOSITE       | 250 U         |                               | A                     |
| Amsco Windows                              | Salt Lake City, UT                 | 2580          | COMPOSITE       | 750 U         |                               | A                     |
| Anthony International                      | San Fernando, CA                   | 999           | COMPOSITE       | 250 U         |                               | A                     |
| Anthony International                      | Madison, GA                        | 2352          | COMPOSITE       | 165 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                     |
| Beijing Wuhua Tianbao Glass Co.            | Beijing, China                     | 5559          | 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                     |
| Benge Custom Specialties, LLC              | Yulee, FL                          | 6023          | COMPOSITE       | 165 U         |                               | A                     |
| Blue Star Glass Inc.                       | North Brunswick, NJ                | 4518          | COMPOSITE       | 100 U         |                               | A                     |
| Bronco Industries, Inc.                    | Delta, BC                          | 5872          | COMP+CAN        | 195 U         |                               | A                     |
| BVGLAZING SYSTEMS                          | Concord, ON                        | 6135          | COMP+CAN        | 450 U         |                               | A                     |
| Cameron Glass, Inc.                        | Broken Arrow, OK                   | 2501          | 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                                | Mazomanie, WI                      | 5306          | COMP+CAN        | 150 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                                | Northfield, MN                     | 1987          | COMP+CAN        | 150 U         |                               | A                     |
| Cardinal CG                                | Tumwater, WA                       | 2009          | COMP+CAN        | 195 U         |                               | A                     |
| Cardinal CG                                | Moreno Valley, CA                  | 2295          | COMP+CAN        | 250 U         |                               | A                     |
| Cardinal CT                                | Los Angeles, CA                    | 5087          | COMP+CAN        | 250 U         |                               | A                     |
| Cardinal CT                                | Adel, GA                           | 5097          | COMP+CAN        | 165 U         |                               | A                     |
| Cardinal CT                                | Utica, OH                          | 4622          | COMP+CAN        | 100 U         |                               | A                     |
| Cardinal CT                                | Easton, PA                         | 4758          | COMP+CAN        | 100 U         |                               | A                     |
| Cardinal CT                                | Mount Airy, NC                     | 4580          | COMP+CAN        | 165 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                                | Greenfield, IA                     | 1829          | COMP+CAN        | 500 U         |                               | A                     |
| Cardinal IG                                | Hood River, OR                     | 2833          | 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>3/16 Inch Tempered Transparent Glass</i>       |                             |               |                 |               |                               |                       |
| Cardinal IG                                       | Ocala, FL                   | 3507          | COMPOSITE       |               | 285 U                         | A                     |
| Cardinal IG                                       | Mountain Top, PA            | 3070          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal IG                                       | Casa Grande, AZ             | 2880          | COMP+CAN        |               | 250 U                         | A                     |
| Cardinal IG                                       | Spring Green, WI            | 5911          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                       | Waxahachie, TX              | 2330          | COMP+CAN        |               | 175 U                         | A                     |
| Cardinal IG                                       | Vinton, VA                  | 2921          | COMP+CAN        |               | 100 U                         | A                     |
| Cardinal IG                                       | Tomah, WI                   | 2319          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal IG                                       | Fremont, IN                 | 2178          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                       | Fargo, ND                   | 2233          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal IG                                       | Buckeye, AZ                 | 6523          | COMP+CAN        |               | 125 U                         | A                     |
| Cardinal LG                                       | Amery, WI                   | 5193          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal Tempering                                | Louisville, KY              | 3872          | COMPOSITE       |               | 175 U                         | A                     |
| Cardinal TG                                       | Tomah, WI                   | 1806          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal TG                                       | Chehalis, WA                | 3458          | COMP+CAN        |               | 195 U                         | A                     |
| Changshu Hard Glass Co., Ltd.                     | Changshu, Jiangsu, China    | 2988          | COMPOSITE       |               | 125 U                         | A                     |
| Changshu Weier Glass Products Co. Ltd.            | Changshu, Jiangsu, China    | 5353          | COMPOSITE       |               | 195 U                         | A                     |
| Changshu Zhongxin Bldg. Mat. Co.                  | Changshu City, China        | 6475          | COMP+CAN        |               | 750 U                         | A                     |
| Chicago Tempered Glass, Inc.                      | Chicago, IL                 | 3087          | COMPOSITE       |               | 200 U                         | A                     |
| ClearEdge Glass                                   | Baton Rouge, LA             | 5310          | COMPOSITE       |               | 175 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.                           | Debarry, Florida            | 6209          | COMPOSITE       |               | 165 U                         | A                     |
| Custom Glass Solutions Millbury Corp.             | Millbury, OH                | 1576          | COMPOSITE       |               | 200 U                         | A                     |
| Dalian Dongsong Tempered Glass Products Co., Ltd. | Dalian, 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                     |
| Diamond Sea Glaze                                 | Langley, BC Canada          | 4500          | 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                     |
| Echols Glass and Mirror, Inc.                     | Buford, GA                  | 6314          | COMPOSITE       |               | 165 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           | 5521          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory    | Foshan, Guangdong, China    | 4669          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.   | Foshan, Guangdong, China    | 5388          | COMPOSITE       |               | 285 U                         | A                     |
| Fujian Guangyao Glass Co., LTD.                   | Zhangzhou City, China       | 6238          | 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>3/16 Inch Tempered Transparent Glass</i>               |                            |               |                 |               |                               |                       |
| 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                                             | Vanvouver, WA              | 4033          | COMPOSITE       |               | 195 U                         | A                     |
| GGI Glass Distributors Corp.                              | Secaucus, NJ               | 2226          | COMPOSITE       |               | 100 U                         | A                     |
| Glass & Mirror Craft                                      | Wixom, MI                  | 4199          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Dynamics, Inc.                                      | Stoneville, NC             | 2730          | COMPOSITE       |               | 285 U                         | A                     |
| Glass Enterprises, Inc.                                   | Bensalem, PA               | 4628          | COMPOSITE       |               | 100 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                                            | South Gate CA              | 5481          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWLA                                           | South Gate, CA             | 4805          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWT                                            | Temecula, CA               | 6095          | COMP+CAN        |               | 250 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.                                | Nampa, ID                  | 6608          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                | Albuquerque, NM            | 6590          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                | Tucson, AZ                 | 6575          | COMPOSITE       |               | 175 U                         | A                     |
| Glenny Glass Co.                                          | Milford, OH                | 3843          | COMPOSITE       |               | 200 U                         | A                     |
| Global Security Glazing                                   | Selma, AL                  | 4765          | COMP+CAN        |               | 285 U                         | A                     |
| Goldray Industries Ltd.                                   | Calgary, AB Canada         | 2446          | COMP+CAN        |               | 195 U                         | A                     |
| GroupeVFG, a Trulite Glass and Aluminum Solutions Company | Bois-des-Filion, Quebec    | 6061          | COMP+CAN        |               | 450 U                         | A                     |
| Guardian Glass, LLC                                       | DeWitt, IA                 | 2022          | COMPOSITE       | IN            | 500 U                         | A                     |
| Guardian Glass, LLC                                       | Geneva, NY                 | 2261          | COMPOSITE       |               | 400 U                         | A                     |
| Guardian Glass, LLC                                       | Corsicana, TX              | 1250          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                                       | Richburg, SC               | 1632          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                                       | Kingsburg, CA              | 970           | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                       | Carleton, MI               | 631           | COMPOSITE       |               | 200 U                         | A                     |
| Guardian IG LLC                                           | Sun Prairie, WI            | 5642          | COMP+CAN        |               | 600 U                         | A                     |
| Guardian Industries Corp.                                 | Galax, VA                  | 4606          | COMP+CAN        |               | 285 U                         | A                     |
| Industrial Tempering Glass                                | Brooklyn, NY               | 5564          | COMPOSITE       |               | 100 U                         | A                     |
| Innovative Glass of America, Inc.                         | Dallas, NC                 | 3861          | COMPOSITE       |               | 165 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                     |
| 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        |               | 200 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                   | Jiangmen, Guangdong, China | 4304          | COMP+CAN        |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co., Ltd                     | Guangdong                  | 6625          | COMPOSITE       |               | 250 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                     |
| Louisville Plate Glass                                    | Louisville, KY             | 6072          | COMPOSITE       |               | 200 U                         | A                     |
| M Industria S.A. DE C.V.                                  | Merida, Yucatan Mexico     | 6146          | COMPOSITE       |               | 285 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                     |

***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> |
|-----------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 3/16 Inch Tempered Transparent Glass                |                                           |               |                 |               |                               |                       |
| Midwest Glass Fabricators Inc.                      | Highland, MI                              | 6029          | COMP+CAN        |               | 200 U                         | A                     |
| Multiver                                            | Vanier, QC                                | 4524          | COMPOSITE       |               | 400 U                         | A                     |
| Multiver Inc.                                       | Montreal, QC                              | 6464          | COMP+CAN        |               | 400 U                         | A                     |
| 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                                  | Hyde, PA                                  | 4594          | COMPOSITE       |               | 100 U                         | A                     |
| New Angle Beveling                                  | Clearfield, PA                            | 5774          | COMPOSITE       |               | 100 U                         | A                     |
| New Century Glass & Aluminum LLC                    | Woodside, NY                              | 5455          | COMPOSITE       |               | 400 U                         | A                     |
| NY Tempering LLC                                    | Maspeth, NY                               | 4900          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Phoenix, AZ                               | 3130          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Schofield, WI                             | 3169          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Indianapolis, IN                          | 2211          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Shawnee, OK                               | 3097          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Wright City, MO                           | 3139          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Covington, GA                             | 3331          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Tampa, FL                                 | 3118          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Rock Hill, SC                             | 3277          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Grand Prairie, TX                         | 3252          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Albertville, MN                           | 3106          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Houston, TX                               | 3158          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Warrenton, MO                             | 3146          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Denver, CO                                | 3312          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Miami, FL                                 | 3497          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Moorestown, NJ                            | 3182          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Vancouver, WA                             | 3221          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Langley, BC                               | 3288          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Perrysburg, OH                            | 3235          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Concord, ON                               | 3441          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Los Angeles, CA                           | 630           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Fremont, CA                               | 3193          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Calgary, AB                               | 3265          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Hauppauge, NY                             | 1547          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.             | Pointe-aux-Trembles, QC                   | 1997          | COMP+CAN        |               | 100 U                         | A                     |
| Paragon Tempered Glass                              | Antwerp, OH                               | 2686          | COMPOSITE       |               | 500 U                         | A                     |
| PFG Glass                                           | Langley, BC                               | 3540          | COMP+CAN        |               | 750 U                         | A                     |
| PGT Industries                                      | Nokomis, FL                               | 2390          | COMPOSITE       |               | 285 U                         | A                     |
| Prelco Inc.                                         | Saint-Jacques, NB                         | 4913          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                         | Riviere-du-loup, QC                       | 2713          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Tychy, Poland                             | 6404          | COMP+CAN        |               | 800 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        |               | 100 U                         | A                     |
| PT Abebersa Pratama                                 | Bekasi, Indonesia                         | 3906          | COMPOSITE       |               | 125 U                         | A                     |
| 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                     |

***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>                       |                              |               |                 |               |                               |                       |
| S.F. Tempering                                                    | Dania Beach, FL              | 5452          | COMPOSITE       | 285 U         | A                             |                       |
| SAAND London                                                      | London, ON Canada            | 3979          | COMP+CAN        | 400 U         | A                             |                       |
| SAAND Ottawa                                                      | Stittsville, ON              | 4951          | COMP+CAN        | 400 U         | A                             |                       |
| SAAND Rexdale                                                     | Rexdale, ON                  | 4997          | COMP+CAN        | 400 U         | A                             |                       |
| SAAND Toronto                                                     | Toronto, ON Canada           | 3023          | COMP+CAN        | 450 U         | A                             |                       |
| Saand Webster                                                     | Webster, MA                  | 1216          | COMPOSITE       | 100 U         | A                             |                       |
| SCHOTT Gemtron - Sweetwater                                       | Sweetwater, TN               | 1201          | COMP+CAN        | 285 U         | A                             |                       |
| SCHOTT Gemtron (Canada)<br>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                             |                       |
| Shixing Glass (Fujian) Co., Ltd.                                  | Kowloon Bay, Hongkong        | 6487          | COMPOSITE       | 285 U         | A                             |                       |
| Shower Doors & More Inc.                                          | Fort Lauderdale, FL          | 5756          | COMPOSITE       | 285 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 Connecticut                                            | Hamden, CT                   | 6310          | 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        | 400 U         | A                             |                       |
| Strong Tempering Glass Industry LLC                               | Brooklyn, NY                 | 5939          | COMPOSITE       | 100 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 Shan City Da Heng Art Glass Ltd.                              | Tai Shan, Guangdong, China   | 3789          | COMPOSITE       | 750 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                             |                       |
| Tempco Glass                                                      | Flushing, NY                 | 5010          | COMPOSITE       | 400 U         | A                             |                       |
| Templado USA Glass & Aluminum<br>Products                         | Barranquilla, Colombia       | 6332          | COMPOSITE       | 285 U         | A                             |                       |
| Tengzhou Fenghua Glass Co., LTD                                   | Tengzhou, China              | 6418          | COMP+CAN        | 285 U         | A                             |                       |
| Texas Tempered, a Trulite Glass and<br>Aluminum Solutions Company | Houston, TX                  | 4848          | COMPOSITE       | 175 U         | A                             |                       |
| TG Changjiang Glass Co., Ltd                                      | Kunshan City, Jiangsu, China | 5177          | COMP+CAN        | 750 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, LLC                                        | Gloucester City, NJ          | 4470          | COMPOSITE       | 100 U         | A                             |                       |
| Thompson I.G. LLC.                                                | Fenton, MI                   | 5304          | COMP+CAN        | 100 U         | A                             |                       |
| Tianjin CSG Energy Conservation<br>Glass Co., Ltd                 | Tianjin, China               | 4022          | COMP+CAN        | 100 U         | A                             |                       |
| Tianjin SYP Engineering Glass Co.,<br>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 and Aluminum Solutions                              | Sacramento, CA               | 5809          | COMPOSITE       | 125 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                              | San Antonio, TX              | 3839          | 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> |
|-----------------------------------------------------|------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 3/16 Inch Tempered Transparent Glass                |                        |               |                 |               |                               |                       |
| Trulite Glass and Aluminum Solutions                | Fremont, CA            | 5794          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | New Berlin, WI         | 5318          | COMPOSITE       |               | 150 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Cheswick, PA           | 1785          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Youngsville, NC        | 5273          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Vaughan, ON            | 5508          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Indianapolis, IN       | 4922          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fort Worth, TX         | 5398          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fresno, CA             | 5822          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Phoenix, AZ            | 5702          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Orlando, FL            | 5185          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Houston, TX            | 3925          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Tulsa, OK              | 5444          | COMPOSITE       |               | 175 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                | City of Industry, CA   | 4184          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Lithia Springs, GA     | 6102          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Las Vegas, NV          | 4212          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Grenada, MS            | 2788          | COMPOSITE       |               | 500 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Columbus, OH           | 4746          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Bradenton, FL          | 5860          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Salt Lake City, UT     | 5337          | COMPOSITE       |               | 125 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          | COMPOSITE       |               | 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                     |
| Verre Concept Novatech                              | Montreal, Quebec       | 6219          | COMP+CAN        |               | 450 U                         | A                     |
| View Inc.                                           | Olive Branch, MS       | 4727          | COMPOSITE       |               | 175 U                         | A                     |
| Viracon Inc.                                        | Statesboro, GA         | 2314          | COMP+CAN        |               | 165 U                         | A                     |
| Viracon Inc.                                        | St. George, UT         | 5582          | COMPOSITE       |               | 125 U                         | A                     |
| Viracon Inc.                                        | Owatonna, MN           | 1403          | COMP+CAN        |               | 150 U                         | A                     |
| Virginia Glass Products Corp.                       | Martinsville, VA       | 12            | COMPOSITE       |               | 100 U                         | A                     |
| VistaGlass Direct                                   | 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 (formerly PPG)                | Carlisle, PA           | 249           | COMP+CAN        |               | 400 U                         | A                     |
| Viwinco, Inc.                                       | Morgantown, PA         | 3405          | COMPOSITE       |               | 100 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          | COMPOSITE       |               | 250 U                         | A                     |
| WGM Fabricators, LLC                                | Whitinsville, MA       | 6366          | COMP+CAN        |               | 100 U                         | A                     |
| Whalley Glass Co                                    | Derby, CT              | 6227          | COMPOSITE       |               | 100 U                         | A                     |
| Wholesale Glass Dist.                               | Memphis, TN            | 4379          | COMPOSITE       |               | 150 U                         | A                     |
| Wisconsin Shower Door & Supply Corp                 | 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                     |
| Xianning CSG Energy Conservation Glass Co., LTD.    | Xianning, Hubei        | 5979          | COMPOSITE       |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                      | Tianjin, China         | 5532          | 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>3/16 Inch Tempered Transparent Glass</i>           |                                    |               |                 |               |                               |                       |
| 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          | COMPOSITE       | 285 U         | A                             |                       |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.          | Zhangjiagang, Jiangsu, China       | 5739          | COMPOSITE       | 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>            |                                    |               |                 |               |                               |                       |
| AGC Flat Glass North America                          | Spring Hill, KS                    | 1705          | COMP+CAN        | 500 U         | A                             |                       |
| AGC Flat Glass North America                          | Greenland, TN                      | 89            | COMP+CAN        | 285 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       | 100 U         | A                             |                       |
| AGNORA (Architectural Glass North America)            | Collingwood, ON Canada             | 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.              | Miramar, FL                        | 4717          | COMPOSITE       | 285 U         | A                             |                       |
| Aldora Aluminum and Glass Products, Inc.              | Orlando, FL                        | 5576          | COMPOSITE       | 285 U         | A                             |                       |
| All Counties Glass Distributors                       | 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                             |                       |
| 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                                 | San Fernando, CA                   | 1000          | COMPOSITE       | 250 U         | A                             |                       |
| Anthony International                                 | Madison, GA                        | 2353          | COMPOSITE       | 165 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                             |                       |
| 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                             |                       |
| AVIC Sanxin Co. Ltd.                                  | Shenzhen, Guangdong, China         | 5766          | COMPOSITE       | 285 U         | A                             |                       |
| Basco Engineered Products                             | Hamilton, OH                       | 3810          | COMPOSITE       | 200 U         | A                             |                       |
| Beijing Wuhua Tianbao Glass Co.                       | Beijing, China                     | 5560          | 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                             |                       |
| Benge Custom Specialties, LLC                         | Yulee, FL                          | 6024          | COMPOSITE       | 165 U         | A                             |                       |
| Berkowitz, J.E.                                       | Pedricktown, NJ                    | 4837          | COMP+CAN        | 100 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                             |                       |
| Cameron Glass, Inc.                                   | Broken Arrow, OK                   | 2455          | COMPOSITE       | 500 U         | A                             |                       |
| Cardinal CG                                           | Spring Green, WI                   | 2070          | COMP+CAN        | 600 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> |                          |               |                 |               |                               |                       |
| Cardinal CG                                | Tumwater, WA             | 2010          | COMP+CAN        | 195 U         | A                             |                       |
| Cardinal CG                                | Loveland, CO             | 3555          | COMPOSITE       | 500 U         | A                             |                       |
| Cardinal CG                                | Waxahachie, TX           | 2702          | COMP+CAN        | 175 U         | A                             |                       |
| Cardinal CG                                | Northfield, MN           | 1988          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal CG                                | Moreno Valley, CA        | 2296          | COMP+CAN        | 250 U         | A                             |                       |
| Cardinal CG                                | Mazomanie, WI            | 4783          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal CG                                | Galt, CA                 | 2360          | COMPOSITE       | 125 U         | A                             |                       |
| Cardinal CG                                | Buford, GA               | 1924          | COMP+CAN        | 165 U         | A                             |                       |
| Cardinal CT                                | Utica, OH                | 5479          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal CT                                | Adel, GA                 | 5364          | COMP+CAN        | 165 U         | A                             |                       |
| Cardinal CT                                | Los Angeles, CA          | 5991          | COMP+CAN        | 250 U         | A                             |                       |
| Cardinal CT                                | Easton, PA               | 5842          | COMP+CAN        | 100 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                                | Greenfield, IA           | 1830          | COMP+CAN        | 500 U         | A                             |                       |
| Cardinal IG                                | Casa Grande, AZ          | 2881          | COMP+CAN        | 250 U         | A                             |                       |
| Cardinal IG                                | Spring Green, WI         | 1834          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                | Ocala, FL                | 3508          | COMPOSITE       | 285 U         | A                             |                       |
| Cardinal IG                                | Fremont, IN              | 2179          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                | Mountain Top, PA         | 3071          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal IG                                | Tomah, WI                | 2320          | COMP+CAN        | 600 U         | A                             |                       |
| Cardinal IG                                | Vinton, VA               | 2922          | COMP+CAN        | 100 U         | A                             |                       |
| Cardinal IG                                | Hood River, OR           | 2834          | COMP+CAN        | 195 U         | A                             |                       |
| Cardinal IG                                | Waxahachie, TX           | 2331          | COMP+CAN        | 175 U         | A                             |                       |
| Cardinal IG                                | Fargo, ND                | 2232          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal IG                                | Buckeye, AZ              | 6524          | COMP+CAN        | 125 U         | A                             |                       |
| Cardinal LG                                | Amery, WI                | 4841          | COMP+CAN        | 150 U         | A                             |                       |
| Cardinal Tempering                         | Louisville, KY           | 3873          | COMPOSITE       | 175 U         | A                             |                       |
| Cardinal TG                                | Tomah, WI                | 1807          | COMP+CAN        | 600 U         | A                             |                       |
| Cardinal TG                                | Chehalis, WA             | 3459          | COMP+CAN        | 195 U         | A                             |                       |
| Carey Glass International                  | Nenagh, Co. Tipperary    | 5998          | COMP+CAN        | 100 U         | A                             |                       |
| Changshu Weier Glass Products Co. Ltd.     | Changshu, Jiangsu, China | 5354          | COMPOSITE       | 195 U         | A                             |                       |
| Changshu Zhongxin Bldg. Mat. Co.           | Changshu City, China     | 6499          | COMP+CAN        | 750 U         | A                             |                       |
| Chicago Tempered Glass, Inc.               | Chicago, IL              | 3088          | COMPOSITE       | 200 U         | A                             |                       |
| Classy Glass Specialties Co., Ltd          | Dongguan, Guangdong      | 5159          | COMPOSITE       | 200 U         | A                             |                       |
| ClearEdge Glass                            | Baton Rouge, LA          | 5311          | COMPOSITE       | 175 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                             |                       |
| Cristec Vipla SL                           | Balaguer, Lleida         | 5695          | COMPOSITE       | 100 U         | A                             |                       |
| Crystal Tempering, Inc.                    | Debary, Florida          | 6210          | COMPOSITE       | 165 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                             |                       |

**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>      |                                 |               |                 |               |                               |                       |
| 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                     |
| Diamond Sea Glaze                               | Langley, BC Canada              | 4501          | COMPOSITE       |               | 750 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                     |
| Dongguan Trillion Aluminum Glass Co., Ltd       | Dongguan, Guangdong, China      | 5862          | COMPOSITE       |               | 285 U                         | A                     |
| Downey Glass Industries, LLC                    | Pompano Beach, FL               | 2662          | COMPOSITE       |               | 285 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                     |
| FastTemp NYC LLC                                | Brooklyn, NY                    | 6630          | COMPOSITE       |               | 100 U                         | A                     |
| Flat Glass Distributors                         | Jacksonville, FL                | 3824          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Group Co., Ltd.                      | Jiaxing, Zhejiang               | 5522          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass             | Foshan City, Guangdong Province | 6119          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory  | Foshan, Guangdong, China        | 4670          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd. | Foshan, Guangdong, China        | 5389          | COMPOSITE       |               | 285 U                         | A                     |
| Fujian Guangyao Glass Co., LTD.                 | Zhangzhou City, China           | 6239          | COMP+CAN        |               | 125 U                         | A                     |
| Fujian Xihe Sanitary Ware Technology Co., Ltd   | Nan'an Fujian China             | 5091          | COMPOSITE       |               | 285 U                         | A                     |
| Garibaldi Glass Ind. Inc.                       | Burnaby, BC                     | 4419          | COMP+CAN        |               | 750 U                         | A                     |
| General Glass                                   | Vanvouver, 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 & Mirror Craft                            | Wixom, MI                       | 4200          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Dynamics, Inc.                            | Stoneville, NC                  | 2732          | COMPOSITE       |               | 285 U                         | A                     |
| Glass Enterprises, Inc.                         | Bensalem, PA                    | 4629          | COMPOSITE       |               | 100 U                         | A                     |
| GlassFab Tempering Services Inc. Holly Drive    | Tracy, CA                       | 5987          | COMPOSITE       |               | 125 U                         | A                     |
| GlassFab Tempering Services, Inc. Mariani Ct.   | Tracy, CA                       | 4891          | COMPOSITE       |               | 125 U                         | A                     |
| Glasswerks GWA                                  | South Gate CA                   | 5482          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWLA                                 | South Gate, CA                  | 4806          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWT                                  | Temecula, CA                    | 6096          | COMP+CAN        |               | 250 U                         | A                     |
| Glaz-Tech Industries, Inc.                      | Nampa, ID                       | 6609          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                      | Santa Teresa, NM                | 6601          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                      | Albuquerque, NM                 | 6594          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                      | Tucson, AZ                      | 6576          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                      | Englewood, CO                   | 2187          | 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                     |
| 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                     |

**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>                |                               |               |                 |               |                               |                       |
| GroupeVFG, a Trulite Glass and Aluminum Solutions Company | Bois-des-Filion, Quebec       | 6062          | COMP+CAN        |               | 450 U                         | A                     |
| Guangdong Golden Glass Technologies                       | Shantou, Guangdong, China     | 3941          | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                       | Carleton, MI                  | 131           | COMPOSITE       | IN            | 200 U                         | A                     |
| Guardian Glass, LLC                                       | DeWitt, IA                    | 2023          | COMPOSITE       |               | 500 U                         | A                     |
| Guardian Glass, LLC                                       | Geneva, NY                    | 2262          | COMPOSITE       |               | 400 U                         | A                     |
| Guardian Glass, LLC                                       | Richburg, SC                  | 1633          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                                       | Corsicana, TX                 | 1251          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                                       | Kingsburg, CA                 | 971           | COMP+CAN        |               | 125 U                         | A                     |
| Guardian IG LLC                                           | Sun Prairie, WI               | 5643          | COMP+CAN        |               | 600 U                         | A                     |
| Guardian Industries Corp.                                 | Galax, VA                     | 4607          | COMP+CAN        |               | 285 U                         | A                     |
| Gulf Glass Industries, LLC                                | Sharjah, United Arab Emirates | 4796          | COMPOSITE       |               | 100 U                         | A                     |
| Industrial Tempering Glass                                | Brooklyn, NY                  | 5565          | COMPOSITE       |               | 100 U                         | A                     |
| Inkan Ltd                                                 | Brampton, ON                  | 5135          | COMP+CAN        |               | 800 U                         | A                     |
| Innovative Glass of America, Inc.                         | Dallas, NC                    | 3862          | COMPOSITE       |               | 165 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                     |
| 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        |               | 200 U                         | A                     |
| Intus Windows LLC                                         | Kielce, Poland                | 6201          | COMPOSITE       |               | 100 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                   | Jiangmen, Guangdong, China    | 4305          | COMP+CAN        |               | 125 U                         | A                     |
| Jiangyin Mingyang Glass Production                        | Jiangyin City, Jiangsu        | 5779          | COMPOSITE       |               | 125 U                         | A                     |
| Jiaxing Joinbath Corporation                              | Jiaxing, Zhejiang, China      | 5709          | COMPOSITE       |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co., Ltd                     | Guangdong                     | 6626          | COMPOSITE       |               | 250 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                     |
| Louisville Plate Glass                                    | Louisville, KY                | 6073          | COMPOSITE       |               | 200 U                         | A                     |
| M Industria S.A. DE C.V.                                  | Merida, Yucatan Mexico        | 5410          | COMPOSITE       |               | 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 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                     |
| Midwest Glass Fabricators Inc.                            | Highland, MI                  | 6030          | COMP+CAN        |               | 200 U                         | A                     |
| Milgard Tempering                                         | Dixon, CA                     | 2842          | COMPOSITE       |               | 125 U                         | A                     |
| Multiver                                                  | Vanier, QC                    | 2499          | COMPOSITE       |               | 400 U                         | A                     |
| Multiver Inc.                                             | Montreal, QC                  | 6465          | COMP+CAN        |               | 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       |               | 100 U                         | A                     |
| New Angle Beveling                                        | Hyde, PA                      | 4595          | COMPOSITE       |               | 100 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 Inds, Inc.                                   | Seattle, WA                   | 6435          | 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>                |                                           |               |                 |               |                               |                       |
| NY Tempering LLC                                          | Maspeth, NY                               | 4901          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Vancouver, WA                             | 3222          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Hauppauge, NY                             | 1548          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Warrenton, MO                             | 3147          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Fremont, CA                               | 3194          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Denver, CO                                | 3313          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Schofield, WI                             | 3170          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Albertville, MN                           | 3107          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Indianapolis, IN                          | 2212          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Moorestown, NJ                            | 3183          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Houston, TX                               | 3159          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Los Angeles, CA                           | 514           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Concord, ON                               | 3442          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Calgary, AB                               | 3266          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Perrysburg, OH                            | 3236          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Miami, FL                                 | 3498          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Grand Prairie, TX                         | 3253          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Langley, BC                               | 3289          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Shawnee, OK                               | 3098          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Rock Hill, SC                             | 3278          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Tampa, FL                                 | 3119          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Phoenix, AZ                               | 3131          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Covington, GA                             | 3332          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Wright City, MO                           | 3140          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.                   | Pointe-aux-Trembles, QC                   | 2543          | COMP+CAN        |               | 100 U                         | A                     |
| Paragon Tempered Glass                                    | Antwerp, OH                               | 2687          | COMPOSITE       |               | 500 U                         | A                     |
| PFG Glass                                                 | Langley, BC                               | 3541          | COMP+CAN        |               | 750 U                         | A                     |
| PGT Industries                                            | Nokomis, FL                               | 2391          | COMPOSITE       |               | 285 U                         | A                     |
| Portland Glass Manufacturing                              | Clackamas, OR                             | 6372          | COMPOSITE       |               | 195 U                         | A                     |
| Prelco Inc.                                               | Riviere-du-loup, QC                       | 2015          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                               | Saint-Jacques, NB                         | 4914          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                            | Radomsko, Poland                          | 5846          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                            | Tychy, Poland                             | 5853          | COMP+CAN        |               | 800 U                         | A                     |
| PRL Glass Systems                                         | City of Industry, CA                      | 6508          | COMPOSITE       |               | 125 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        |               | 100 U                         | A                     |
| Pulp Studio Inc.                                          | Gardena, CA                               | 6416          | COMP+CAN        |               | 250 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                     |

**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>                        |                              |               |                 |               |                               |                       |
| 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 Canada            | 3980          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Ottawa                                                      | Stittsville, ON              | 4952          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Rexdale                                                     | Rexdale, ON                  | 4998          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto                                                     | Toronto, ON Canada           | 2484          | COMP+CAN        |               | 450 U                         | A                     |
| Saand Webster                                                     | Webster, MA                  | 662           | COMPOSITE       |               | 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)<br>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.,<br>LTD.                          | Shanghai, China              | 6125          | COMP+CAN        |               | 195 U                         | A                     |
| Shape Products LLC.                                               | Sarasota, FL                 | 6504          | COMPOSITE       |               | 285 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                                  | Kowloon Bay, Hongkong        | 6488          | COMPOSITE       |               | 285 U                         | A                     |
| Shower Doors & More Inc.                                          | Fort Lauderdale, FL          | 5757          | COMPOSITE       |               | 285 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 Connecticut                                            | Hamden, CT                   | 4523          | COMPOSITE       |               | 100 U                         | A                     |
| Solar Seal Massachusetts                                          | South Easton, MA             | 1035          | COMPOSITE       |               | 800 U                         | A                     |
| Solar Seal Virginia                                               | Stafford, VA                 | 5724          | COMPOSITE       |               | 100 U                         | A                     |
| Standard Bent Glass                                               | East Butler, PA              | 6301          | COMP+CAN        |               | 400 U                         | A                     |
| Stargrup Cam A.S.                                                 | Arnavutkoy, Istanbul         | 6204          | COMPOSITE       |               | 285 U                         | A                     |
| Sterling Mirror Company, LLC                                      | Stevensville, MD             | 6183          | COMP+CAN        |               | 800 U                         | A                     |
| Strong Tempering Glass Industry LLC                               | Brooklyn, NY                 | 5940          | COMPOSITE       |               | 100 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       |               | 195 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                     |
| Tempco Glass                                                      | Flushing, NY                 | 5011          | COMPOSITE       |               | 400 U                         | A                     |
| Templado USA Glass & Aluminum<br>Products                         | Barranquilla, Colombia       | 6333          | COMPOSITE       |               | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                   | Tengzhou, China              | 6419          | COMP+CAN        |               | 285 U                         | A                     |
| Texas Tempered, a Trulite Glass and<br>Aluminum Solutions Company | Houston, TX                  | 6039          | COMPOSITE       |               | 175 U                         | A                     |
| TG Changjiang Glass Co., Ltd                                      | Kunshan City, Jiangsu, China | 5178          | COMP+CAN        |               | 750 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, LLC                                        | Gloucester City, NJ          | 4471          | COMPOSITE       |               | 100 U                         | A                     |
| Thompson I.G. LLC.                                                | Fenton, MI                   | 5305          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin CSG Energy Conservation<br>Glass Co., Ltd                 | Tianjin, China               | 4023          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin SYP Engineering Glass Co.,<br>Ltd.                        | Tianjin, China               | 4076          | COMP+CAN        |               | 125 U                         | A                     |
| Tristar Glass, Inc.                                               | Grand Prairie, TX            | 5109          | 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> |
|-----------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 1/4 Inch Tempered Transparent Glass     |                                    |               |                 |               |                               |                       |
| Tristar Glass, Inc.                     | Houston, Texas                     | 5762          | COMPOSITE       |               | 175 U                         | A                     |
| Tristar Glass, Inc.                     | Catoosa, OK                        | 4007          | COMPOSITE       |               | 175 U                         | A                     |
| Tristar Glass, Inc.                     | Oklahoma City, OK                  | 6616          | 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 and Aluminum Solutions    | New Berlin, WI                     | 5877          | COMPOSITE       |               | 150 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Youngsville, NC                    | 5274          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Lithia Springs, GA                 | 6103          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Sacramento, CA                     | 5810          | COMPOSITE       |               | 125 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    | Columbus, OH                       | 4747          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Las Vegas, NV                      | 4213          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Grenada, MS                        | 2789          | COMPOSITE       |               | 500 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Fort Worth, TX                     | 5399          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | San Antonio, TX                    | 3326          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Tulsa, OK                          | 5445          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Knoxville, TN                      | 4153          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | City of Industry, CA               | 4185          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Indianapolis, IN                   | 4923          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Houston, TX                        | 5483          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Vaughan, ON                        | 5509          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Orlando, FL                        | 5184          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Fresno, CA                         | 5823          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Aurora, CO                         | 5343          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Cheswick, PA                       | 1786          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Salt Lake City, UT                 | 5338          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions    | Fremont, CA                        | 5795          | COMPOSITE       |               | 125 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                     |
| United Plate Glass Co., Inc.            | Butler, PA                         | 2469          | COMPOSITE       |               | 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                     |
| Verre Concept Novatech                  | Montreal, Quebec                   | 6220          | COMP+CAN        |               | 450 U                         | A                     |
| Vidrio Bisel S.A. de C.V.               | Santa Catarina, Nuevo Leon, Mexico | 4966          | COMP+CAN        |               | 175 U                         | A                     |
| Vidrios el Castillo SC de RL de CV      | Escobedo, Nuevo Leon, Mexico       | 5840          | COMP+CAN        |               | 175 U                         | A                     |
| View Inc.                               | Olive Branch, MS                   | 4728          | COMPOSITE       |               | 175 U                         | A                     |
| Viracon Inc.                            | St. George, UT                     | 5555          | COMPOSITE       |               | 125 U                         | A                     |
| Viracon Inc.                            | Statesboro, GA                     | 2310          | COMP+CAN        |               | 165 U                         | A                     |
| Viracon Inc.                            | Owatonna, MN                       | 1404          | COMP+CAN        |               | 150 U                         | A                     |
| Virginia Glass Products Corp.           | Martinsville, VA                   | 14            | COMPOSITE       |               | 100 U                         | A                     |
| VistaGlass Direct                       | 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                     |
| Vitro Flat Glass, LLC                   | Wichita Falls, TX                  | 1113          | COMPOSITE       |               | 175 U                         | A                     |
| Vitro Flat Glass, LLC (formerly PPG)    | Carlisle, PA                       | 382           | COMP+CAN        |               | 400 U                         | A                     |
| Vitrum Glass Group                      | Langley, BC                        | 6383          | COMP+CAN        |               | 195 U                         | A                     |
| W. A. Wilson Inc.                       | Wheeling, WV                       | 4171          | COMPOSITE       |               | 200 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><i>1/4 Inch Tempered Transparent Glass</i></b>     |                                    |               |                 |               |                               |                       |
| W.C.P., Inc dba West Coast Insulated Glass Products   | Cerritos, CA                       | 6087          | COMPOSITE       |               | 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 Corp                   | 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 Golden Glass Technologies, Ltd.               | Wujiang City,                      | 5251          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.      | Xianning, Hubei                    | 6004          | COMPOSITE       |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                        | Tianjin, China                     | 5533          | COMP+CAN        |               | 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          | COMPOSITE       |               | 285 U                         | A                     |
| Zhangjiagang Weiyu Fabricated Glass Co. Ltd.          | Zhangjiagang, Jiangsu, China       | 5740          | COMPOSITE       |               | 250 U                         | A                     |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Hangzhou, Zhejiang, China          | 5078          | COMP+CAN        |               | 125 U                         | A                     |
| <b><i>5/16 Inch Tempered Transparent Glass</i></b>    |                                    |               |                 |               |                               |                       |
| AGC Flat Glass North America                          | Greenland, TN                      | 4046          | COMP+CAN        |               | 285 U                         | A                     |
| Al Abbar Architectural Glass                          | Dubai, United Arab Emirates        | 3557          | COMPOSITE       |               | 100 U                         | A                     |
| All Counties Glass Distributors                       | Stockton, CA                       | 6413          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                         | Woodbridge, ON Canada              | 2790          | COMPOSITE       |               | 450 U                         | A                     |
| Aluminum Manufacturers Co. Ltd - ALUMATEC             | Jeddah, Saudi Arabia               | 6152          | COMPOSITE       |               | 400 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                     |
| AVIC Sanxin Co. Ltd.                                  | Shenzhen, Guangdong, China         | 5767          | COMPOSITE       |               | 285 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                       | Beijing, China                     | 5561          | COMPOSITE       |               | 125 U                         | A                     |
| Blue Star Glass Inc.                                  | North Brunswick, NJ                | 6407          | COMPOSITE       |               | 100 U                         | A                     |
| BVGLAZING SYSTEMS                                     | Concord, ON                        | 6137          | COMP+CAN        |               | 450 U                         | A                     |
| Cardinal CG                                           | Northfield, MN                     | 4775          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                           | Mazomanie, WI                      | 6552          | COMP+CAN        |               | 150 U                         | A                     |
| Cardinal CG                                           | Spring Green, WI                   | 5281          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal IG                                           | Tomah, WI                          | 6069          | COMP+CAN        |               | 600 U                         | A                     |
| Cardinal IG                                           | Greenfield, IA                     | 5435          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal IG                                           | Buckeye, AZ                        | 6557          | COMP+CAN        |               | 125 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 International                             | 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 Bldg. Mat. Co.                      | Changshu City, China               | 6500          | COMP+CAN        |               | 750 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                     |

**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>               |                                 |               |                 |               |                               |                       |
| Cristec Vipla SL                                          | Balaguer, Lleida                | 5696          | COMPOSITE       |               | 100 U                         | A                     |
| Custom Glass Solutions Millbury Corp.                     | Millbury, OH                    | 6354          | COMPOSITE       |               | 200 U                         | A                     |
| Custom Industries, Inc.                                   | Anaheim, CA                     | 6231          | COMP+CAN        |               | 250 U                         | A                     |
| DDG Glass Manufacturing SDN BHD                           | Johor, Malaysia                 | 5624          | COMP+CAN        |               | 125 U                         | A                     |
| Diamond Sea Glaze                                         | Langley, BC Canada              | 4502          | COMPOSITE       |               | 750 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               | 5523          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass                       | Foshan City, Guangdong Province | 6120          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory            | Foshan, Guangdong, China        | 4671          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.           | Foshan, Guangdong, China        | 5390          | COMPOSITE       |               | 285 U                         | A                     |
| Fujian Guangyao Glass Co., LTD.                           | Zhangzhou City, China           | 6240          | COMP+CAN        |               | 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                     |
| Glass Dynamics, Inc.                                      | Stoneville, NC                  | 5259          | COMPOSITE       |               | 285 U                         | A                     |
| GnT Glass Co., Ltd.                                       | Dongguan, Guangdong, China      | 5788          | COMP+CAN        |               | 400 U                         | A                     |
| GroupeVFG, a Trulite Glass and Aluminum Solutions Company | Bois-des-Filion, Quebec         | 6063          | COMP+CAN        |               | 450 U                         | A                     |
| Guangdong Golden Glass Technologies                       | Shantou, Guangdong, China       | 3942          | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                       | Richburg, SC                    | 2382          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian Glass, LLC                                       | Geneva, NY                      | 3672          | COMPOSITE       |               | 400 U                         | A                     |
| Guardian Glass, LLC                                       | DeWitt, IA                      | 2024          | COMPOSITE       | IN            | 500 U                         | A                     |
| Guardian Glass, LLC                                       | Corsicana, TX                   | 1826          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian IG LLC                                           | Sun Prairie, WI                 | 6570          | COMP+CAN        |               | 600 U                         | A                     |
| Guardian Industries Corp.                                 | Galax, VA                       | 4608          | COMP+CAN        |               | 285 U                         | A                     |
| Gulf Glass Industries, LLC                                | Sharjah, United Arab Emirates   | 6326          | COMPOSITE       |               | 100 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.                   | Jiangmen, Guangdong, China      | 4306          | COMP+CAN        |               | 125 U                         | A                     |
| Jiangyin Mingyang Glass Production                        | Jiangyin City, Jiangsu          | 5780          | COMPOSITE       |               | 125 U                         | A                     |
| Jiaxing Joinbath Corporation                              | Jiaxing, Zhejiang, China        | 5710          | COMPOSITE       |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co., Ltd                     | Guangdong                       | 6627          | COMPOSITE       |               | 250 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                     |
| Mercer Glass Fab LLC                                      | Trenton, NJ                     | 4530          | COMPOSITE       |               | 100 U                         | A                     |
| Multiver                                                  | Vanier, QC                      | 5226          | COMPOSITE       |               | 400 U                         | A                     |
| Multiver Inc.                                             | Montreal, QC                    | 6466          | COMP+CAN        |               | 400 U                         | A                     |
| Nashville Tempered Glass Corp.                            | Nashville, TN                   | 5729          | 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>5/16 Inch Tempered Transparent Glass</i>         |                                           |               |                 |               |                               |                       |
| Northwestern Inds, Inc.                             | Seattle, WA                               | 6436          | COMPOSITE       |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Fremont, CA                               | 5387          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Albertville, MN                           | 4882          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Schofield, WI                             | 3171          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Perrysburg, OH                            | 4443          | COMP+CAN        |               | 100 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®                         | Warrenton, MO                             | 3796          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Rock Hill, SC                             | 4787          | COMP+CAN        | (IN)          | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Hauppauge, NY                             | 4180          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Wright City, MO                           | 3141          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Vancouver, WA                             | 3223          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Calgary, AB                               | 3267          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Concord, ON                               | 3443          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.             | Pointe-aux-Trembles, QC                   | 2884          | COMP+CAN        |               | 100 U                         | A                     |
| PFG Glass                                           | Langley, BC                               | 3542          | COMP+CAN        |               | 750 U                         | A                     |
| Prelco Inc.                                         | Riviere-du-loup, QC                       | 2751          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                         | Saint-Jacques, NB                         | 4915          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Radomsko, Poland                          | 5847          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Tychy, Poland                             | 5854          | COMP+CAN        |               | 800 U                         | A                     |
| Productos De Valor Agregado en Cristal S.A. de C.V. | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4788          | COMPOSITE       |               | 175 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                                       | Toronto, ON Canada                        | 4356          | COMP+CAN        |               | 450 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.                    | Kowloon Bay, Hongkong                     | 6489          | COMPOSITE       |               | 285 U                         | A                     |
| SIGCO, Inc.                                         | Westbrook, ME                             | 5213          | COMPOSITE       |               | 100 U                         | A                     |
| Skyline Design                                      | Chicago, IL                               | 6341          | COMP+CAN        |               | 600 U                         | A                     |
| Standard Bent Glass                                 | East Butler, PA                           | 6302          | COMP+CAN        |               | 400 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                     |
| Templado USA Glass & Aluminum Products              | Barranquilla, Colombia                    | 6334          | COMPOSITE       |               | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                     | Tengzhou, China                           | 6420          | COMP+CAN        |               | 285 U                         | A                     |
| TG Changjiang Glass Co., Ltd                        | Kunshan City, Jiangsu, China              | 5179          | COMP+CAN        |               | 750 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                     |
| Triview Glass Industries                            | City of Industry, CA                      | 5042          | COMP+CAN        |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Fremont, CA                               | 5796          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Vaughan, ON                               | 5510          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Cheswick, PA                              | 3495          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Youngsville, NC                           | 5518          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | New Berlin, WI                            | 5320          | COMPOSITE       |               | 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>5/16 Inch Tempered Transparent Glass</i>           |                                    |               |                 |               |                               |                       |
| U.S. Glass Distributors Inc.                          | Enfield, CT                        | 5924          | COMP+CAN        |               | 400 U                         | A                     |
| Viracon Inc.                                          | Owatonna, MN                       | 3689          | COMP+CAN        |               | 150 U                         | A                     |
| Viracon Inc.                                          | St. George, UT                     | 5556          | COMPOSITE       |               | 125 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                     |
| 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 Golden Glass Technologies, Ltd.               | Wujiang City,                      | 5252          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.      | Xianning, Hubei                    | 6005          | COMPOSITE       |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                        | Tianjin, China                     | 5534          | COMP+CAN        |               | 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          | COMPOSITE       |               | 285 U                         | A                     |
| Zhangjiagang City Daming Glass Product Co., Ltd       | Zhangjiagang City, Jiangsu         | 5464          | COMP+CAN        |               | 285 U                         | A                     |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Hangzhou, Zhejiang, China          | 5079          | COMP+CAN        |               | 125 U                         | A                     |
| <i>3/8 Inch Tempered Transparent Glass</i>            |                                    |               |                 |               |                               |                       |
| A.L. Smith Glass Co. Inc.                             | Ijamsville, MD                     | 6144          | COMPOSITE       |               | 800 U                         | A                     |
| AGC Flat Glass North America                          | Greenland, TN                      | 90            | COMP+CAN        |               | 285 U                         | A                     |
| AGNORA (Architectural Glass North America)            | Collingwood, ON Canada             | 4885          | COMP+CAN        |               | 450 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.              | Miramar, FL                        | 4718          | COMPOSITE       |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products, Inc.              | Orlando, FL                        | 5579          | COMPOSITE       |               | 285 U                         | A                     |
| All Counties Glass Distributors                       | Stockton, CA                       | 6414          | COMP+CAN        |               | 125 U                         | A                     |
| All Team Glass & Mirror, Ltd.                         | Woodbridge, ON Canada              | 1757          | COMPOSITE       |               | 450 U                         | A                     |
| Allglass Tempering Inc.                               | Schiller Park, IL                  | 5838          | COMPOSITE       |               | 600 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                     |
| AVIC Sanxin Co. Ltd.                                  | Shenzhen, Guangdong, China         | 5768          | COMPOSITE       |               | 285 U                         | A                     |
| Basco Engineered Products                             | Hamilton, OH                       | 3811          | COMPOSITE       |               | 200 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                       | Beijing, China                     | 5562          | COMPOSITE       |               | 125 U                         | A                     |
| Bel Shower Door Corporation                           | Englewood, CO                      | 6472          | COMP+CAN        |               | 250 U                         | A                     |
| Benge Custom Specialties, LLC                         | Yulee, FL                          | 6025          | COMPOSITE       |               | 165 U                         | A                     |
| Berkowitz, J.E.                                       | Pedricktown, NJ                    | 2646          | COMP+CAN        |               | 100 U                         | A                     |
| 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                     |

***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>       |                                 |               |                 |               |                               |                       |
| Cameron Glass, Inc.                              | Broken Arrow, OK                | 2032          | COMP+CAN        |               | 500 U                         | A                     |
| Cardinal CG                                      | Mazomanie, WI                   | 6553          | COMP+CAN        |               | 150 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 International                        | 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 Bldg. Mat. Co.                 | Changshu City, China            | 6501          | COMP+CAN        |               | 750 U                         | A                     |
| Chicago Tempered Glass, Inc.                     | Chicago, IL                     | 3089          | COMPOSITE       |               | 200 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                     |
| Cristec Vipla SL                                 | Balaguer, Lleida                | 5697          | COMPOSITE       |               | 100 U                         | A                     |
| Crystal Tempering, Inc.                          | Debar, Florida                  | 6211          | COMPOSITE       |               | 165 U                         | A                     |
| Custom Glass Solutions Millbury Corp.            | Millbury, OH                    | 6355          | COMPOSITE       |               | 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                     |
| Diamond Sea Glaze                                | Langley, BC Canada              | 4503          | COMPOSITE       |               | 750 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                     |
| 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                     |
| FastTemp NYC LLC                                 | Brooklyn, NY                    | 6631          | COMPOSITE       |               | 100 U                         | A                     |
| Flat Glass Distributors                          | Jacksonville, FL                | 3825          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Group Co., Ltd.                       | Jiaxing, Zhejiang               | 5524          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass              | Foshan City, Guangdong Province | 6121          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory   | Foshan, Guangdong, China        | 4672          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.  | Foshan, Guangdong, China        | 5391          | COMPOSITE       |               | 285 U                         | A                     |
| Fujian Guangyao Glass Co., LTD.                  | Zhangzhou City, China           | 6241          | COMP+CAN        |               | 125 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 & Mirror Craft                             | Wixom, MI                       | 5598          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Dynamics, Inc.                             | Stoneville, NC                  | 2729          | 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>3/8 Inch Tempered Transparent Glass</i>                    |                               |               |                 |               |                               |                       |
| Glass Enterprises, Inc.                                       | Bensalem, PA                  | 6597          | COMPOSITE       |               | 100 U                         | A                     |
| GlassFab Tempering Services Inc.<br>Holly Drive               | Tracy, CA                     | 5988          | COMPOSITE       |               | 125 U                         | A                     |
| GlassFab Tempering Services, Inc.<br>Mariani Ct.              | Tracy, CA                     | 4892          | COMPOSITE       |               | 125 U                         | A                     |
| Glasswerks GWLA                                               | South Gate, CA                | 5883          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWT                                                | Temecula, CA                  | 6097          | COMP+CAN        |               | 250 U                         | A                     |
| Glaz-Tech Industries, Inc.                                    | Santa Teresa, NM              | 6602          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                    | Englewood, CO                 | 5143          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                    | Nampa, ID                     | 6610          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                    | Albuquerque, NM               | 6591          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                    | Tucson, AZ                    | 6577          | 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                     |
| 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                     |
| GroupeVFG, a Trulite Glass and<br>Aluminums Solutions Company | Bois-des-Filion, Quebec       | 6064          | COMP+CAN        |               | 450 U                         | A                     |
| Guangdong Golden Glass<br>Technologies                        | Shantou, Guangdong, China     | 3943          | COMP+CAN        |               | 125 U                         | A                     |
| Guardian Glass, LLC                                           | Geneva, NY                    | 2519          | COMPOSITE       |               | 400 U                         | A                     |
| Guardian Glass, LLC                                           | Corsicana, TX                 | 1253          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                                           | DeWitt, IA                    | 2545          | COMPOSITE       | IN            | 500 U                         | A                     |
| Guardian Glass, LLC                                           | Richburg, SC                  | 1634          | COMPOSITE       |               | 285 U                         | A                     |
| Guardian IG LLC                                               | Sun Prairie, WI               | 6571          | COMP+CAN        |               | 600 U                         | A                     |
| Guardian Industries Corp.                                     | Galax, VA                     | 4609          | COMP+CAN        |               | 285 U                         | A                     |
| Gulf Glass Industries, LLC                                    | Sharjah, United Arab Emirates | 4797          | COMPOSITE       |               | 100 U                         | A                     |
| Industrial Tempering Glass                                    | Brooklyn, NY                  | 3418          | COMPOSITE       |               | 100 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                     |
| 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,<br>Ltd.                    | Jiangmen, Guangdong, China    | 4307          | COMP+CAN        |               | 125 U                         | A                     |
| Jiangyin Mingyang Glass Production                            | Jiangyin City, Jiangsu        | 6203          | COMPOSITE       |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co.,<br>Ltd                      | Guangdong                     | 5684          | COMPOSITE       |               | 250 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                     |
| Louisville Plate Glass                                        | Louisville, KY                | 6074          | COMPOSITE       |               | 200 U                         | A                     |
| M Industria S.A. DE C.V.                                      | Merida, Yucatan Mexico        | 5411          | COMPOSITE       |               | 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 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                     |
| Midwest Glass Fabricators Inc.                                | Highland, MI                  | 6031          | COMP+CAN        |               | 200 U                         | A                     |
| Multiver                                                      | Vanier, QC                    | 5227          | COMPOSITE       |               | 400 U                         | A                     |
| Multiver Inc.                                                 | Montreal, QC                  | 6467          | COMP+CAN        |               | 400 U                         | A                     |
| Nashville Tempered Glass Corp.                                | Nashville, TN                 | 2494          | 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> |
|-----------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 3/8 Inch Tempered Transparent Glass                 |                                           |               |                 |               |                               |                       |
| Nashville Tempered Glass LLC                        | Hendersonville, TN                        | 2694          | COMP+CAN        |               | 285 U                         | A                     |
| New Angle Beveling                                  | Hyde, PA                                  | 4591          | COMPOSITE       |               | 100 U                         | A                     |
| New Angle Beveling                                  | Clearfield, PA                            | 5775          | COMPOSITE       |               | 100 U                         | A                     |
| New Century Glass & Aluminum LLC                    | Woodside, NY                              | 5457          | COMPOSITE       |               | 400 U                         | A                     |
| NY Tempering LLC                                    | Maspeth, NY                               | 4902          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Indianapolis, IN                          | 2213          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Langley, BC                               | 3291          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Fremont, CA                               | 3195          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Schofield, WI                             | 3172          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Albertville, MN                           | 3108          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Warrenton, MO                             | 3148          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Moorestown, NJ                            | 3184          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Los Angeles, CA                           | 515           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Miami, FL                                 | 3499          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Perrysburg, OH                            | 3237          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Grand Prairie, TX                         | 3255          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Concord, ON                               | 3444          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Houston, TX                               | 3160          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Shawnee, OK                               | 3099          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Wright City, MO                           | 3142          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Rock Hill, SC                             | 3279          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Tampa, FL                                 | 3120          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Calgary, AB                               | 3268          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Covington, GA                             | 3333          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Denver, CO                                | 3314          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Hauppauge, NY                             | 1549          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Vancouver, WA                             | 3224          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Phoenix, AZ                               | 3132          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.             | Pointe-aux-Trembles, QC                   | 2544          | COMP+CAN        |               | 100 U                         | A                     |
| Paragon Tempered Glass                              | Antwerp, OH                               | 2688          | COMPOSITE       |               | 500 U                         | A                     |
| PFG Glass                                           | Langley, BC                               | 3543          | COMP+CAN        |               | 750 U                         | A                     |
| Portland Glass Manufacturing                        | Clackamas, OR                             | 6373          | COMPOSITE       |               | 195 U                         | A                     |
| Prelco Inc.                                         | Saint-Jacques, NB                         | 4916          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                         | Riviere-du-loup, QC                       | 2381          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Radomsko, Poland                          | 5848          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                      | Tychy, Poland                             | 5855          | COMP+CAN        |               | 800 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        |               | 100 U                         | A                     |
| Qingdao Jinjing Co., Ltd.                           | Qingdao City, Shandong China              | 6199          | 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 Canada                         | 3981          | COMP+CAN        |               | 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>3/8 Inch Tempered Transparent Glass</i>     |                            |               |                 |               |                               |                       |
| SAAND Ottawa                                   | Stittsville, ON            | 4953          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Rexdale                                  | Rexdale, ON                | 4999          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto                                  | Toronto, ON Canada         | 4357          | COMP+CAN        |               | 450 U                         | A                     |
| Saand Webster                                  | Webster, MA                | 471           | 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.               | Kowloon Bay, Hongkong      | 6490          | COMPOSITE       |               | 285 U                         | A                     |
| Shower Doors & More Inc.                       | Fort Lauderdale, FL        | 5758          | COMPOSITE       |               | 285 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                     |
| Skyline Design                                 | Chicago, IL                | 6342          | COMP+CAN        |               | 600 U                         | A                     |
| Solar Seal Connecticut                         | Hamden, CT                 | 6311          | 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                     |
| Standard Bent Glass                            | East Butler, PA            | 6303          | COMP+CAN        |               | 400 U                         | A                     |
| Stargrup Cam A.S.                              | Arnavutkoy, Istanbul       | 6205          | COMPOSITE       |               | 285 U                         | A                     |
| Sterling Mirror Company, LLC                   | Stevensville, MD           | 6184          | COMP+CAN        |               | 800 U                         | A                     |
| Strong Tempering Glass Industry LLC            | Brooklyn, NY               | 5942          | COMPOSITE       |               | 100 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       |               | 195 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                     |
| 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        |               | 285 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                     |
| 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.                            | 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 and Aluminum Solutions           | Sacramento, CA             | 5812          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions           | City of Industry, CA       | 4186          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions           | Aurora, CO                 | 5344          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions           | New Berlin, WI             | 5321          | COMPOSITE       |               | 150 U                         | A                     |
| Trulite Glass and Aluminum Solutions           | Knoxville, TN              | 4158          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions           | Vaughan, ON                | 5511          | COMP+CAN        |               | 450 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> |
|--------------------------------------------------|------------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 3/8 Inch Tempered Transparent Glass              |                                    |               |                 |               |                               |                       |
| Trulite Glass and Aluminum Solutions             | Fort Worth, TX                     | 5400          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | San Antonio, TX                    | 3327          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Orlando, FL                        | 5186          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Salt Lake City, UT                 | 5339          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Houston, TX                        | 3927          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Las Vegas, NV                      | 4214          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Youngsville, NC                    | 5275          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Cheswick, PA                       | 1787          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Indianapolis, IN                   | 4754          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Tulsa, OK                          | 5446          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Phoenix, AZ                        | 5703          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Bradenton, FL                      | 4226          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Grenada, MS                        | 2840          | COMPOSITE       |               | 500 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Columbus, OH                       | 6159          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Fresno, CA                         | 5825          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Fremont, CA                        | 5797          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Lithia Springs, GA                 | 6104          | COMP+CAN        |               | 165 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                     |
| United Plate Glass Co., Inc.                     | Butler, PA                         | 2470          | COMPOSITE       |               | 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                     |
| Verre Concept Novatech                           | Montreal, Quebec                   | 6221          | COMP+CAN        |               | 450 U                         | A                     |
| Vidrio Bisel S.A. de C.V.                        | Santa Catarina, Nuevo Leon, Mexico | 4967          | COMP+CAN        |               | 175 U                         | A                     |
| Vidrios el Castillo SC de RL de CV               | Escobedo, Nuevo Leon, Mexico       | 5781          | COMP+CAN        |               | 175 U                         | A                     |
| Viracon Inc.                                     | Owatonna, MN                       | 1508          | COMP+CAN        |               | 150 U                         | A                     |
| Viracon Inc.                                     | St. George,UT                      | 5557          | COMPOSITE       |               | 125 U                         | A                     |
| Viracon Inc.                                     | Statesboro, GA                     | 2311          | COMP+CAN        |               | 165 U                         | A                     |
| Virginia Glass Products Corp.                    | Martinsville, VA                   | 93            | COMPOSITE       |               | 100 U                         | A                     |
| VistaGlass Direct                                | 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 Glass Group                               | Langley, BC                        | 6384          | COMP+CAN        |               | 195 U                         | A                     |
| W. A. Wilson Inc.                                | Wheeling, WV                       | 4172          | COMPOSITE       |               | 200 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 Corp              | 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 Golden Glass Technologies, Ltd.          | Wujiang City,                      | 5253          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD. | Xianning, Hubei                    | 5980          | COMPOSITE       |               | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                   | Tianjin, China                     | 5535          | COMP+CAN        |               | 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          | COMPOSITE       | 285 U         | A                             |                       |
| Zhangjiagang City Daming Glass Product Co., Ltd       | Zhangjiagang City, Jiangsu  | 5465          | COMP+CAN        | 285 U         | A                             |                       |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd | Hangzhou, Zhejiang, China   | 5080          | COMP+CAN        | 125 U         | A                             |                       |
| <i>1/2 Inch Tempered Transparent Glass</i>            |                             |               |                 |               |                               |                       |
| A.L. Smith Glass Co. Inc.                             | Ijamsville, MD              | 6145          | COMPOSITE       | 800 U         | A                             |                       |
| AGNORA (Architectural Glass North America)            | Collingwood, ON Canada      | 4884          | COMP+CAN        | 450 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 Distributors                       | Stockton, CA                | 6415          | COMP+CAN        | 125 U         | A                             |                       |
| All Team Glass & Mirror, Ltd.                         | Woodbridge, ON Canada       | 1758          | COMPOSITE       | 450 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                             |                       |
| AVIC Sanxin Co. Ltd.                                  | Shenzhen, Guangdong, China  | 5769          | COMPOSITE       | 285 U         | A                             |                       |
| Basco Engineered Products                             | Hamilton, OH                | 3812          | COMPOSITE       | 200 U         | A                             |                       |
| Beijing Wuhua Tianbao Glass Co.                       | Beijing, China              | 5563          | 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                             |                       |
| Benge Custom Specialties, LLC                         | Yulee, FL                   | 6026          | COMPOSITE       | 165 U         | A                             |                       |
| Berkowitz, J.E.                                       | Pedricktown, NJ             | 1991          | COMP+CAN        | 100 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                             |                       |
| Cameron Glass, Inc.                                   | Broken Arrow, OK            | 2033          | COMP+CAN        | 500 U         | A                             |                       |
| Cardinal CG                                           | Mazomanie, WI               | 6554          | COMP+CAN        | 150 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                             |                       |
| 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                             |                       |
| Contractors Wardrobe                                  | Valencia, CA                | 3470          | COMP+CAN        | 250 U         | A                             |                       |
| Coral Industries Glass Division                       | Tuscaloosa, AL              | 2145          | COMPOSITE       | 165 U         | A                             |                       |
| Cristec Vipla SL                                      | Balaguer, Lleida            | 5698          | COMPOSITE       | 100 U         | A                             |                       |
| Crystal Tempering, Inc.                               | Debary, Florida             | 6212          | COMPOSITE       | 165 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                             |                       |

**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>                |                                 |               |                 |               |                               |                       |
| DDG Glass Manufacturing SDN BHD                           | Johor, Malaysia                 | 5626          | COMP+CAN        |               | 125 U                         | A                     |
| Denver Glass Interiors, Inc.                              | Englewood, CO                   | 3868          | COMPOSITE       |               | 175 U                         | A                     |
| Diamond Sea Glaze                                         | Langley, BC Canada              | 4504          | COMPOSITE       |               | 750 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                     |
| 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                     |
| FastTemp NYC LLC                                          | Brooklyn, NY                    | 6632          | COMPOSITE       |               | 100 U                         | A                     |
| Flat Glass Distributors                                   | Jacksonville, FL                | 3826          | COMPOSITE       |               | 285 U                         | A                     |
| Flat Glass Group Co., Ltd.                                | Jiaxing, Zhejiang               | 5525          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass                       | Foshan City, Guangdong Province | 6122          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory            | Foshan, Guangdong, China        | 5549          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Foshan NanHai ZhongKang YiMeiJia Glass Co. Ltd.           | Foshan, Guangdong, China        | 5392          | COMPOSITE       |               | 285 U                         | A                     |
| Fujian Guangyao Glass Co., LTD.                           | Zhangzhou City, China           | 6242          | COMP+CAN        |               | 125 U                         | A                     |
| Garibaldi Glass Ind. Inc.                                 | Burnaby, BC                     | 4421          | COMP+CAN        |               | 750 U                         | A                     |
| General Glass                                             | Vanvouver, 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 & Mirror Craft                                      | Wixom, MI                       | 4202          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Dynamics, Inc.                                      | Stoneville, NC                  | 2733          | COMPOSITE       |               | 285 U                         | A                     |
| Glass Enterprises, Inc.                                   | Bensalem, PA                    | 6598          | COMPOSITE       |               | 100 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                                           | South Gate, CA                  | 5884          | COMPOSITE       |               | 250 U                         | A                     |
| Glasswerks GWT                                            | Temecula, CA                    | 6098          | COMP+CAN        |               | 250 U                         | A                     |
| Glaz-Tech Industries, Inc.                                | Englewood, CO                   | 2189          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                | Tucson, AZ                      | 6578          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                | Nampa, ID                       | 6611          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                | Albuquerque, NM                 | 6592          | COMPOSITE       |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                | Santa Teresa, NM                | 6603          | 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                     |
| 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                     |
| GroupeVFG, a Trulite Glass and Aluminum Solutions Company | Bois-des-Filion, Quebec         | 6065          | COMP+CAN        |               | 450 U                         | A                     |
| Guangdong Golden Glass Technologies                       | Shantou, Guangdong, China       | 3944          | COMP+CAN        | *             | 125 U                         | A                     |
| Guardian Glass, LLC                                       | Corsicana, TX                   | 1803          | COMP+CAN        |               | 175 U                         | A                     |
| Guardian Glass, LLC                                       | Geneva, NY                      | 3673          | COMPOSITE       |               | 400 U                         | A                     |
| Guardian Glass, LLC                                       | DeWitt, IA                      | 2649          | COMPOSITE       | IN            | 500 U                         | A                     |
| Guardian Industries Corp.                                 | Galax, VA                       | 4610          | COMP+CAN        |               | 285 U                         | A                     |
| Industrial Tempering Glass                                | Brooklyn, NY                    | 3419          | COMPOSITE       |               | 100 U                         | A                     |
| Inkan Ltd                                                 | Brampton, ON                    | 5138          | 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> |
|-----------------------------------------|----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 1/2 Inch Tempered Transparent Glass     |                            |               |                 |               |                               |                       |
| Innovative Glass of America, Inc.       | Dallas, NC                 | 3864          | COMPOSITE       |               | 165 U                         | A                     |
| Insulite Glass Co., Inc.                | Olathe, KS                 | 3717          | COMPOSITE       |               | 150 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. | Jiangmen, 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                     |
| Louisville Plate Glass                  | Louisville, KY             | 6075          | COMPOSITE       |               | 200 U                         | A                     |
| M Industria S.A. DE C.V.                | Merida, Yucatan Mexico     | 6147          | COMPOSITE       |               | 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 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                     |
| Midwest Glass Fabricators Inc.          | Highland, MI               | 6032          | COMP+CAN        |               | 200 U                         | A                     |
| Multiver                                | Vanier, QC                 | 5228          | COMPOSITE       |               | 400 U                         | A                     |
| Multiver Inc.                           | Montreal, QC               | 6468          | COMP+CAN        |               | 400 U                         | A                     |
| Nashville Tempered Glass LLC            | Hendersonville, TN         | 4148          | COMP+CAN        |               | 285 U                         | A                     |
| New Angle Beveling                      | Clearfield, PA             | 5776          | COMPOSITE       |               | 100 U                         | A                     |
| New Angle Beveling                      | Hyde, PA                   | 4592          | COMPOSITE       |               | 100 U                         | A                     |
| New Century Glass & Aluminum LLC        | Woodside, NY               | 5458          | COMPOSITE       |               | 400 U                         | A                     |
| NY Tempering LLC                        | Maspeth, NY                | 4903          | COMPOSITE       |               | 800 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Langley, BC                | 3292          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Wright City, MO            | 3143          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Calgary, AB                | 3269          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Fremont, CA                | 3196          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Moorestown, NJ             | 3185          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Schofield, WI              | 3173          | COMP+CAN        |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Concord, ON                | 3445          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Rock Hill, SC              | 3280          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Vancouver, WA              | 3225          | COMP+CAN        |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Miami, FL                  | 3500          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Tampa, FL                  | 3121          | COMP+CAN        |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Indianapolis, IN           | 2214          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Shawnee, OK                | 3100          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Covington, GA              | 3334          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Grand Prairie, TX          | 3256          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Hauppauge, NY              | 1550          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Warrenton, MO              | 3149          | COMP+CAN        |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Albertville, MN            | 3109          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Denver, CO                 | 3315          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Houston, TX                | 3161          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Los Angeles, CA            | 516           | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Phoenix, AZ                | 3133          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®             | Perrysburg, OH             | 3238          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc. | Pointe-aux-Trembles, QC    | 2062          | COMP+CAN        |               | 100 U                         | A                     |
| PFG Glass                               | Langley, BC                | 3544          | COMP+CAN        |               | 750 U                         | A                     |
| Portland Glass Manufacturing            | Clackamas, OR              | 6510          | 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>1/2 Inch Tempered Transparent Glass</i>                        |                                              |               |                 |               |                               |                       |
| Prelco Inc.                                                       | Riviere-du-loup, QC                          | 2048          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                                       | Saint-Jacques, NB                            | 4917          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                                    | Tychy, Poland                                | 5856          | COMP+CAN        |               | 800 U                         | A                     |
| PRESS GLASS SA                                                    | Radomsko, Poland                             | 5849          | COMP+CAN        |               | 800 U                         | A                     |
| Productos De Valor Agregado en<br>Cristal S.A. de C.V.            | San Juan Ixhuatepec,<br>Tlalnepantla, Mexico | 4641          | COMPOSITE       |               | 175 U                         | A                     |
| Produits Verrier International Inc.                               | Montreal, Quebec                             | 5503          | COMP+CAN        |               | 100 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        |               | 400 U                         | A                     |
| SAAND Rexdale                                                     | Rexdale, ON                                  | 5000          | COMP+CAN        |               | 400 U                         | A                     |
| SAAND Toronto                                                     | Toronto, ON Canada                           | 4358          | COMP+CAN        |               | 450 U                         | A                     |
| Saand Webster                                                     | Webster, MA                                  | 1235          | COMPOSITE       |               | 100 U                         | A                     |
| SG Glass Industries L.L.C.                                        | Miami Gardens, FL                            | 6362          | COMP+CAN        |               | 285 U                         | A                     |
| Shanghai SYP Engineering Glass                                    | Shanghai, China                              | 4072          | COMP+CAN        |               | 125 U                         | A                     |
| Shape Products LLC.                                               | Sarasota, FL                                 | 6506          | COMPOSITE       |               | 285 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                                  | Kowloon Bay, Hongkong                        | 6491          | COMPOSITE       |               | 285 U                         | A                     |
| Shower Doors & More Inc.                                          | Fort Lauderdale, FL                          | 5759          | COMPOSITE       |               | 285 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 Connecticut                                            | Hamden, CT                                   | 6312          | COMPOSITE       |               | 100 U                         | A                     |
| Solar Seal Massachusetts                                          | South Easton, MA                             | 1037          | COMPOSITE       |               | 800 U                         | A                     |
| Solar Seal Virginia                                               | Stafford, VA                                 | 5726          | COMPOSITE       |               | 100 U                         | A                     |
| Standard Bent Glass                                               | East Butler, PA                              | 6304          | COMP+CAN        |               | 400 U                         | A                     |
| Stargrup Cam A.S.                                                 | Arnavutkoy, Istanbul                         | 6206          | COMPOSITE       |               | 285 U                         | A                     |
| Sterling Mirror Company, LLC                                      | Stevensville, MD                             | 6185          | COMP+CAN        |               | 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.                                            | Burlington, WA                               | 5167          | COMPOSITE       |               | 195 U                         | A                     |
| Tacoma Glass Mfg. Inc.                                            | Lakewood, WA                                 | 4732          | 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                     |
| Tempco Glass                                                      | Flushing, NY                                 | 5013          | COMPOSITE       |               | 400 U                         | A                     |
| Templado USA Glass & Aluminum<br>Products                         | Barranquilla, Colombia                       | 6336          | COMPOSITE       |               | 285 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                   | Tengzhou, China                              | 6422          | COMP+CAN        |               | 285 U                         | A                     |
| Texas Tempered, a Trulite Glass and<br>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                     |



***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>       |                            |               |                 |               |                               |                       |
| Tianjin CSG Energy Conservation Glass Co., Ltd   | Tianjin, China             | 4026          | COMP+CAN        |               | 100 U                         | A                     |
| Tianjin Northglass Industrial Technical Co., Ltd | Tianjin, China             | 5221          | COMPOSITE       |               | 175 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 and Aluminum Solutions             | City of Industry, CA       | 4187          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Fresno, CA                 | 5826          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Bradenton, FL              | 4227          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | New Berlin, WI             | 5322          | COMPOSITE       |               | 150 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Cheswick, PA               | 1788          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Tulsa, OK                  | 5447          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Fremont, CA                | 5798          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Lithia Springs, GA         | 6105          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Salt Lake City, UT         | 5340          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Aurora, CO                 | 5345          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Phoenix, AZ                | 5704          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Fort Worth, TX             | 5401          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Youngsville, NC            | 5276          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Knoxville, TN              | 4159          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | San Antonio, TX            | 4277          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Orlando, FL                | 5187          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Sacramento, CA             | 5813          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Vaughan, ON                | 5782          | COMP+CAN        |               | 450 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Houston, TX                | 3928          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Las Vegas, NV              | 4215          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Indianapolis, IN           | 4753          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions             | Columbus, OH               | 4748          | COMPOSITE       |               | 200 U                         | A                     |
| U.S. Glass Distributors Inc.                     | Enfield, CT                | 5926          | COMP+CAN        |               | 400 U                         | A                     |
| United Plate Glass Co., Inc.                     | Butler, PA                 | 2471          | COMPOSITE       |               | 800 U                         | A                     |
| United Plate Glass Company of Charlotte          | Lincolnton, NC             | 3952          | COMP+CAN        |               | 165 U                         | A                     |
| Upstate Glass Tempering Inc.                     | Middletown, NY             | 5158          | COMPOSITE       |               | 400 U                         | A                     |
| Verre Concept Novatech                           | Montreal, Quebec           | 6222          | COMP+CAN        |               | 450 U                         | A                     |
| Viracon Inc.                                     | Owatonna, MN               | 1509          | COMP+CAN        |               | 150 U                         | A                     |
| Virginia Glass Products Corp.                    | Martinsville, VA           | 94            | COMPOSITE       |               | 100 U                         | A                     |
| VistaGlass Direct                                | 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 Glass Group                               | Langley, BC                | 6385          | COMP+CAN        |               | 195 U                         | A                     |
| W. A. Wilson Inc.                                | Wheeling, WV               | 4173          | COMPOSITE       |               | 200 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 Corp              | 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 Golden Glass Technologies, Ltd.          | Wujiang City,              | 5254          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD. | Xianning, Hubei            | 5981          | COMPOSITE       | *             | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                   | Tianjin, China             | 5536          | 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>                                                      |                               |               |                 |               |                               |                       |
| 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                     |
| Zhejiang Zhongli Energy Efficient Glass Mfg. Co., Ltd                                           | Hangzhou, Zhejiang, China     | 5081          | COMP+CAN        | *             | 125 U                         | A                     |
| <i>12 mm Tempered Transparent Glass (Conforms to thickness tolerance other than ASTM C1036)</i> |                               |               |                 |               |                               |                       |
| Eckelt Glas GmbH                                                                                | Steyr, Austria                | 2853          | COMPOSITE       | (3)           | 100 U                         | A                     |
| Gulf Glass Industries, LLC                                                                      | Sharjah, United Arab Emirates | 4798          | COMPOSITE       | (7)           | 100 U                         | A                     |
| Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd                                       | Qinhuangdao, Hebei, China     | 5129          | COMP+CAN        | (3)           | 150 U                         | A                     |
| Tianjin SYP Engineering Glass Co., Ltd.                                                         | Tianjin, China                | 4079          | COMP+CAN        | (3)           | 125 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                                                                   | Dongguan, Guangdong, China    | 3055          | COMP+CAN        | (4)           | 195 U                         | A                     |
| <i>5/8 Inch Tempered Transparent Glass</i>                                                      |                               |               |                 |               |                               |                       |
| Rizhao Huaye Glass Co., Ltd.                                                                    | Rizhao, Shandong              | 5572          | COMP+CAN        |               | 285 U                         | A                     |
| SAAND Rexdale                                                                                   | Rexdale, ON                   | 5008          | COMP+CAN        | (3)           | 400 U                         | A                     |
| <i>15 mm Tempered Transparent Glass (Conforms to thickness tolerance other than ASTM C1036)</i> |                               |               |                 |               |                               |                       |
| Al Abbar Architectural Glass                                                                    | Dubai, United Arab Emirates   | 3976          | COMPOSITE       | (4)           | 100 U                         | A                     |
| AVIC Sanxin Co. Ltd.                                                                            | Shenzhen, Guangdong, China    | 5770          | COMPOSITE       | (3)           | 285 U                         | A                     |
| Beijing Wuhua Tianbao Glass Co.                                                                 | Beijing, China                | 5661          | COMPOSITE       | (3)           | 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        | (3)           | 125 U                         | A                     |
| Diamond Sea Glaze                                                                               | Langley, BC Canada            | 4505          | COMPOSITE       | (3)           | 750 U                         | A                     |
| Dongguan CSG Architectural Glass Co., Ltd.                                                      | Dongguan, Guangdong, China    | 3938          | COMP+CAN        | (3)           | 125 U                         | A                     |
| Eckelt Glas GmbH                                                                                | Steyr, Austria                | 2854          | COMPOSITE       | (3)           | 100 U                         | A                     |
| Garibaldi Glass Ind. Inc.                                                                       | Burnaby, BC                   | 5125          | COMP+CAN        | (3)           | 750 U                         | A                     |
| Guangdong Golden Glass Technologies                                                             | Shantou, Guangdong, China     | 3945          | COMP+CAN        | (3)           | 125 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                         | Jiangmen, Guangdong, China    | 4309          | COMP+CAN        | (3)           | 125 U                         | A                     |
| PRESS GLASS SA                                                                                  | Tychy, Poland                 | 5857          | COMP+CAN        | (3)           | 800 U                         | A                     |
| PRESS GLASS SA                                                                                  | Radomsko, Poland              | 5850          | COMP+CAN        | (3)           | 800 U                         | A                     |
| Qinhuangdao Mingjingyuan Safety Technology Glass Co., Ltd                                       | Qinhuangdao, Hebei, China     | 5130          | COMP+CAN        | (3)           | 150 U                         | A                     |
| Shanghai SYP Engineering Glass                                                                  | Shanghai, China               | 4073          | COMP+CAN        | (3)           | 125 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                                                                | Kowloon Bay, Hongkong         | 6492          | COMPOSITE       | (3)           | 285 U                         | A                     |
| Tianjin CSG Energy Conservation Glass Co., Ltd                                                  | Tianjin, China                | 4027          | COMP+CAN        | (3)           | 100 U                         | A                     |
| Tianjin SYP Engineering Glass Co., Ltd.                                                         | Tianjin, China                | 4080          | COMP+CAN        | (3)           | 125 U                         | A                     |
| Wujiang Golden Glass Technologies, Ltd.                                                         | Wujiang City,                 | 5255          | COMPOSITE       | (3)           | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.                                                | Xianning, Hubei               | 5982          | COMPOSITE       | (3)           | 125 U                         | A                     |
| Xinyi Glass (Tianjin) Co. Ltd.                                                                  | Tianjin, China                | 6329          | COMP+CAN        | (3)           | 195 U                         | A                     |
| Xinyi Group (Glass) Co., Ltd.                                                                   | Dongguan, Guangdong, China    | 4179          | COMP+CAN        | (3)           | 195 U                         | A                     |
| <i>5/8 Inch Tempered Transparent Glass</i>                                                      |                               |               |                 |               |                               |                       |
| 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                     |
| Dillmeier Enterprise, Inc.                                                                      | Van Buren, AR                 | 3916          | COMPOSITE       |               | 175 U                         | A                     |
| GGI Glass Distributors Corp.                                                                    | Secaucus, NJ                  | 3857          | 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> |
|-----------------------------------------------------------|-----------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| 5/8 Inch Tempered Transparent Glass                       |                             |               |                 |               |                               |                       |
| Glass & Mirror Craft                                      | Wixom, MI                   | 4203          | COMP+CAN        | 150 U         | A                             |                       |
| Glass Dynamics, Inc.                                      | Stoneville, NC              | 2731          | COMPOSITE       | 285 U         | A                             |                       |
| GroupeVFG, a Trulite Glass and Aluminum Solutions Company | Bois-des-Filion, Quebec     | 6066          | 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                             |                       |
| 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                             |                       |
| Nashville Tempered Glass LLC                              | Hendersonville, TN          | 5453          | COMP+CAN        | 285 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Covington, GA               | 4390          | COMP+CAN        | 165 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Moorestown, NJ              | 4054          | COMP+CAN        | 100 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Fremont, CA                 | 4458          | COMP+CAN        | 125 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Langley, BC                 | 3293          | COMP+CAN        | 750 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Albertville, MN             | 3110          | COMP+CAN        | 150 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Warrenton, MO               | 5904          | COMP+CAN        | 500 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Hauppauge, NY               | 4181          | COMP+CAN        | 400 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Perrysburg, OH              | 3239          | COMP+CAN        | 100 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Concord, ON                 | 3446          | COMP+CAN        | 100 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Los Angeles, CA             | 4387          | COMP+CAN        | 125 U         | A                             |                       |
| Oldcastle BuildingEnvelope®                               | Calgary, AB                 | 3270          | COMP+CAN        | 750 U         | A                             |                       |
| Oldcastle BuildingEnvelope® Canada Inc.                   | Pointe-aux-Trembles, QC     | 2063          | COMP+CAN        | 100 U         | A                             |                       |
| Prelco Inc.                                               | Riviere-du-loup, QC         | 5609          | COMP+CAN        | 800 U         | A                             |                       |
| Prelco Inc.                                               | Saint-Jacques, NB           | 5610          | COMP+CAN        | 800 U         | A                             |                       |
| SIGCO, Inc.                                               | Westbrook, ME               | 4326          | COMPOSITE       | 100 U         | A                             |                       |
| Skyline Design                                            | Chicago, IL                 | 6344          | COMP+CAN        | 600 U         | A                             |                       |
| Techni-Glass, Inc.                                        | Surgoinsville, TN           | 4510          | COMP+CAN        | 285 U         | A                             |                       |
| Tecnoglass S.A.                                           | Barranquilla, Colombia      | 2365          | COMP+CAN        | 285 U         | A                             |                       |
| Triview Glass Industries                                  | City of Industry, CA        | 5045          | COMP+CAN        | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Fort Worth, TX              | 6389          | COMPOSITE       | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Houston, TX                 | 5477          | COMP+CAN        | 175 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Orlando, FL                 | 5680          | COMPOSITE       | 285 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | New Berlin, WI              | 5896          | COMPOSITE       | 150 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Lithia Springs, GA          | 6106          | COMP+CAN        | 165 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Columbus, OH                | 6160          | COMPOSITE       | 200 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Youngsville, NC             | 6009          | COMPOSITE       | 165 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Cheswick, PA                | 4134          | COMPOSITE       | 100 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | City of Industry, CA        | 4522          | COMPOSITE       | 250 U         | A                             |                       |
| Trulite Glass and Aluminum Solutions                      | Salt Lake City, UT          | 6376          | COMPOSITE       | 125 U         | A                             |                       |
| U.S. Glass Distributors Inc.                              | Enfield, CT                 | 5927          | COMP+CAN        | 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                             |                       |
| 3/4 Inch Tempered Transparent Glass                       |                             |               |                 |               |                               |                       |
| 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                             |                       |
| AVIC Sanxin Co. Ltd.                                      | Shenzhen, Guangdong, China  | 5771          | COMPOSITE       | 285 U         | A                             |                       |
| Basco Engineered Products                                 | Hamilton, OH                | 5076          | COMPOSITE       | 200 U         | A                             |                       |
| Beijing Wuhua Tianbao Glass Co.                           | Beijing, China              | 5662          | COMPOSITE       | 125 U         | A                             |                       |
| Bel Pre Glassworks Inc.                                   | Rockville, MD               | 6325          | COMPOSITE       | 800 U         | A                             |                       |
| Berkowitz, J.E.                                           | Pedricktown, NJ             | 2647          | COMP+CAN        | 100 U         | A                             |                       |
| Blue Star Glass Inc.                                      | North Brunswick, NJ         | 5175          | 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>3/4 Inch Tempered Transparent Glass</i>                |                                           |               |                 |               |                               |                       |
| 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                     |
| Diamond Sea Glaze                                         | Langley, BC Canada                        | 4506          | COMPOSITE       |               | 750 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 & Mirror Craft                                      | Wixom, MI                                 | 4204          | COMP+CAN        |               | 150 U                         | A                     |
| Glass Dynamics, Inc.                                      | Stoneville, NC                            | 2734          | COMPOSITE       |               | 285 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                                           | South Gate, CA                            | 5885          | COMPOSITE       |               | 250 U                         | A                     |
| GroupeVFG, a Trulite Glass and Aluminum Solutions Company | Bois-des-Filion, Quebec                   | 6067          | COMP+CAN        |               | 450 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                     |
| 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.                   | Jiangmen, 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          | COMPOSITE       |               | 285 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®                               | Grand Prairie, TX                         | 3257          | COMP+CAN        |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Langley, BC                               | 3294          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Fremont, CA                               | 3197          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Phoenix, AZ                               | 6394          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Covington, GA                             | 3335          | COMP+CAN        |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Hauppauge, NY                             | 1551          | COMP+CAN        |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Los Angeles, CA                           | 2074          | COMP+CAN        |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Perrysburg, OH                            | 3240          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Concord, ON                               | 3447          | COMP+CAN        |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Albertville, MN                           | 3111          | COMP+CAN        |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                               | Calgary, AB                               | 3271          | COMP+CAN        |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope® Canada Inc.                   | Pointe-aux-Trembles, QC                   | 2885          | COMP+CAN        |               | 100 U                         | A                     |
| Prelco Inc.                                               | Saint-Jacques, NB                         | 5611          | COMP+CAN        |               | 800 U                         | A                     |
| Prelco Inc.                                               | Riviere-du-loup, QC                       | 4904          | COMP+CAN        |               | 800 U                         | A                     |
| Productos De Valor Agregado en Cristal S.A. de C.V.       | San Juan Ixhuatepec, Tlalnepantla, Mexico | 4642          | COMPOSITE       |               | 175 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 SYP Engineering Glass                            | Shanghai, China                           | 4074          | COMP+CAN        |               | 125 U                         | A                     |
| Shixing Glass (Fujian) Co., Ltd.                          | Kowloon Bay, Hongkong                     | 6493          | 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>3/4 Inch Tempered Transparent Glass</i>                                                      |                           |               |                 |               |                               |                       |
| SIGCO, Inc.                                                                                     | Westbrook, ME             | 4327          | COMPOSITE       |               | 100 U                         | A                     |
| Skyline Design                                                                                  | Chicago, IL               | 6345          | COMP+CAN        |               | 600 U                         | A                     |
| Solar Seal Massachusetts                                                                        | South Easton, MA          | 5527          | COMPOSITE       |               | 800 U                         | A                     |
| Tecnoglass S.A.                                                                                 | Barranquilla, Colombia    | 2894          | COMP+CAN        |               | 285 U                         | A                     |
| Templado USA Glass & Aluminum Products                                                          | Barranquilla, Colombia    | 6337          | COMPOSITE       |               | 285 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                     |
| Triview Glass Industries                                                                        | City of Industry, CA      | 5046          | COMP+CAN        |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Fremont, CA               | 5800          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Youngsville, NC           | 5277          | COMPOSITE       |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Houston, TX               | 5478          | COMP+CAN        |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Aurora, CO                | 5346          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Fresno, CA                | 5828          | COMPOSITE       |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Fort Worth, TX            | 6388          | COMPOSITE       |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Orlando, FL               | 5188          | COMPOSITE       |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Cheswick, PA              | 4135          | COMPOSITE       |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | New Berlin, WI            | 5897          | COMPOSITE       |               | 150 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Lithia Springs, GA        | 6107          | COMP+CAN        |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | City of Industry, CA      | 4371          | COMPOSITE       |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Columbus, OH              | 6161          | COMPOSITE       |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                            | Las Vegas, NV             | 4216          | 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,             | 5256          | COMPOSITE       |               | 125 U                         | A                     |
| Xianning CSG Energy Conservation Glass Co., LTD.                                                | Xianning, Hubei           | 5983          | COMPOSITE       |               | 125 U                         | A                     |
| <i>19 mm Tempered Transparent Glass (Conforms to thickness tolerance other than ASTM C1036)</i> |                           |               |                 |               |                               |                       |
| DDG Glass Manufacturing SDN BHD                                                                 | Johor, Malaysia           | 5628          | COMP+CAN        | (3)           | 125 U                         | A                     |
| <i>7/8 Inch Tempered Transparent Glass</i>                                                      |                           |               |                 |               |                               |                       |
| Guangdong Golden Glass Technologies                                                             | Shantou, Guangdong, China | 4535          | COMP+CAN        |               | 125 U                         | A                     |
| <i>1 Inch Tempered Transparent Glass</i>                                                        |                           |               |                 |               |                               |                       |
| GGI Glass Distributors Corp.                                                                    | Secaucus, NJ              | 4774          | COMPOSITE       | (IN)          | 100 U                         | A                     |
| <b><u>Tempered Patterned Glass</u></b>                                                          |                           |               |                 |               |                               |                       |
| <i>1/8 Inch Tempered Patterned Glass</i>                                                        |                           |               |                 |               |                               |                       |
| 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)           | 100 U                         | A                     |
| Aldora Aluminum and Glass Products Inc.                                                         | Charleston, SC            | 4332          | COMPOSITE       | (s)           | 285 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                     |
| 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                     |

**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>         |                        |               |                 |     |               |                               |                       |
| Cardinal CG                                      | Spring Green, WI       | 2071          | COMP+CAN        | (s) |               | 600 U                         | A                     |
| Cardinal CG                                      | Waxahachie, TX         | 6555          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Cardinal CG                                      | Buford, GA             | 2146          | COMP+CAN        | (s) |               | 165 U                         | A                     |
| Cardinal CG                                      | Loveland, CO           | 4343          | COMPOSITE       | (s) |               | 500 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                                      | Galt, CA               | 3599          | COMPOSITE       | (s) |               | 125 U                         | A                     |
| Cardinal CG                                      | Tumwater, WA           | 2954          | COMP+CAN        | (s) |               | 195 U                         | A                     |
| Cardinal CT                                      | Adel, GA               | 5098          | COMP+CAN        | (d) |               | 165 U                         | A                     |
| Cardinal CT                                      | Mount Airy, NC         | 4581          | COMP+CAN        | (s) |               | 165 U                         | A                     |
| Cardinal CT                                      | Utica, OH              | 4623          | COMP+CAN        | (m) |               | 100 U                         | A                     |
| Cardinal CT                                      | Los Angeles, CA        | 5088          | COMP+CAN        | (s) |               | 250 U                         | A                     |
| Cardinal CT                                      | Easton, PA             | 4759          | COMP+CAN        | (m) |               | 100 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                                      | Casa Grande, AZ        | 4103          | COMP+CAN        | (s) |               | 250 U                         | A                     |
| Cardinal IG                                      | Waxahachie, TX         | 2397          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Cardinal IG                                      | Fremont, IN            | 2203          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Cardinal IG                                      | Tomah, WI              | 2321          | COMP+CAN        | (m) |               | 600 U                         | A                     |
| Cardinal IG                                      | Greenfield, IA         | 1841          | COMP+CAN        | (s) |               | 500 U                         | A                     |
| Cardinal IG                                      | Spring Green, WI       | 1844          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Cardinal IG                                      | Vinton, VA             | 2923          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Cardinal IG                                      | Hood River, OR         | 2857          | COMP+CAN        | (s) |               | 195 U                         | A                     |
| Cardinal IG                                      | Fargo, ND              | 2231          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Cardinal IG                                      | Mountain Top, PA       | 3073          | COMP+CAN        | (m) |               | 100 U                         | A                     |
| Cardinal IG                                      | Ocala, FL              | 4584          | COMPOSITE       | (m) |               | 285 U                         | A                     |
| Cardinal IG                                      | Buckeye, AZ            | 6558          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Contour Industries, Inc.                         | Surgoinsville, TN      | 4703          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Contractors Wardrobe                             | Valencia, CA           | 3473          | COMP+CAN        | (s) |               | 250 U                         | A                     |
| Crystal Tempering, Inc.                          | Debar, Florida         | 6213          | COMPOSITE       | (s) |               | 165 U                         | A                     |
| Flat Glass Distributors                          | Jacksonville, FL       | 3828          | COMPOSITE       | (m) |               | 285 U                         | A                     |
| General Glass                                    | Vanvouver, 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.                       | Tucson, AZ             | 6579          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Santa Teresa, NM       | 6604          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Guardian Glass, LLC                              | Kingsburg, CA          | 1303          | COMP+CAN        | (d) |               | 125 U                         | A                     |
| Guardian Glass, LLC                              | Corsicana, TX          | 2458          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Guardian Glass, LLC                              | Richburg, SC           | 1683          | COMPOSITE       | (m) |               | 285 U                         | A                     |
| Guardian IG LLC                                  | Sun Prairie, WI        | 5644          | COMP+CAN        | (d) |               | 600 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) |               | 200 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 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®                      | Tampa, FL              | 3122          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Miami, FL              | 3501          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Moorestown, NJ         | 3186          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Denver, CO             | 3317          | COMP+CAN        | (s) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Covington, GA          | 3336          | COMP+CAN        | (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>                       |                            |               |                 |         |               |                               |                       |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO              | 3151          | COMP+CAN        | (s)     |               | 500 u                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Langley, BC                | 3295          | COMP+CAN        | (m)     |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Grand Prairie, TX          | 3425          | COMP+CAN        | (s)     |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Indianapolis, IN           | 4384          | COMP+CAN        | (s)     |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Rock Hill, SC              | 3281          | COMP+CAN        | (s)     |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Shawnee, OK                | 3101          | COMP+CAN        | (m)     |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Phoenix, AZ                | 3134          | COMP+CAN        | (s)     |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Calgary, AB                | 3272          | COMP+CAN        | (m)     |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Vancouver, WA              | 3226          | COMP+CAN        | (s)     |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Perrysburg, OH             | 3242          | COMP+CAN        | (s)     |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Fremont, CA                | 3199          | COMP+CAN        | (s)     |               | 125 U                         | A                     |
| PFG Glass                                                      | Langley, BC                | 3547          | COMP+CAN        | (s)     |               | 750 U                         | A                     |
| PGT Industries                                                 | Nokomis, FL                | 3880          | COMPOSITE       | (s)     |               | 285 U                         | A                     |
| Produits Verrier International Inc.                            | Montreal, Quebec           | 5504          | COMP+CAN        | (s)     |               | 100 U                         | A                     |
| Quaker Window Products, Inc.                                   | Freeburg, MO               | 2968          | COMP+CAN        | (m)     |               | 150 U                         | A                     |
| Saand Webster                                                  | Webster, MA                | 3604          | COMPOSITE       | (m)     |               | 100 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                                    | Sweetwater, TN             | 1422          | COMP+CAN        | (s)     |               | 285 U                         | A                     |
| Simonton Windows                                               | Ellenboro, WV              | 5296          | COMPOSITE       | (s)     |               | 850 U                         | A                     |
| Simonton Windows                                               | Paris, IL                  | 5295          | COMPOSITE       | (s)     |               | 150 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                           | Knoxville, TN              | 4207          | COMPOSITE       | (m)     |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Sacramento, CA             | 5815          | COMPOSITE       | (d)(IN) |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 6165          | COMPOSITE       | (m)     |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5688          | COMPOSITE       | (s)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | San Antonio, TX            | 3818          | COMPOSITE       | (s)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                | 5705          | COMPOSITE       | (s)     |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL              | 6188          | COMPOSITE       | (s)     |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX             | 5784          | COMPOSITE       | (m)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Aurora, CO                 | 5347          | COMPOSITE       | (s)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Cheswick, PA               | 4452          | COMPOSITE       | (s)     |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                | 5189          | COMPOSITE       | (s)     |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5801          | COMPOSITE       | (s)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | City of Industry, CA       | 4188          | COMPOSITE       | (s)     |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                | 5433          | COMP+CAN        | (s)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fresno, CA                 | 5829          | COMPOSITE       | (d)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV              | 4217          | COMPOSITE       | (s)     |               | 250 U                         | A                     |
| United Plate Glass Company of Charlotte                        | Lincolnton, NC             | 3954          | COMP+CAN        | (s)     |               | 165 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          | COMPOSITE       | (s)     |               | 250 U                         | A                     |
| Wisconsin Shower Door & Supply Corp                            | Menomonee Falls, WI        | 5592          | COMPOSITE       | (s)     |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.                                 | Grand Rapids, MI           | 6059          | COMP+CAN        | (m)     |               | 200 U                         | A                     |
| <i>5/32 Inch Tempered Patterned Glass</i>                      |                            |               |                 |         |               |                               |                       |
| AGC Flat Glass North America                                   | Greenland, TN              | 2980          | COMP+CAN        | (m)     |               | 285 U                         | A                     |
| Aldora Aluminum and Glass Products Inc.                        | Charleston, SC             | 4333          | COMPOSITE       | (d)     |               | 285 U                         | A                     |
| Arlene Stained Glass & Door                                    | Houston, TX                | 3585          | COMPOSITE       | (d)     |               | 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 Patterned Glass</i>     |                            |               |                   |               |                               |                       |
| Cardinal CG                                   | Waxahachie, TX             | 4047          | COMP+CAN (m)      |               | 175 U                         | A                     |
| Cardinal CG                                   | Galt, CA                   | 4347          | COMPOSITE (m)     |               | 125 U                         | A                     |
| Cardinal CG                                   | Loveland, CO               | 4344          | COMPOSITE (d)     |               | 500 U                         | A                     |
| Cardinal CG                                   | Northfield, MN             | 2012          | COMP+CAN (d)      |               | 150 U                         | A                     |
| Cardinal CT                                   | Adel, GA                   | 5099          | COMP+CAN (d)      |               | 165 U                         | A                     |
| Cardinal CT                                   | Easton, PA                 | 4760          | COMP+CAN (m)      |               | 100 U                         | A                     |
| Cardinal CT                                   | Mount Airy, NC             | 4742          | COMP+CAN (m)      |               | 165 U                         | A                     |
| Cardinal CT                                   | Utica, OH                  | 4624          | COMP+CAN (m)      |               | 100 U                         | A                     |
| Cardinal IG                                   | Greenfield, IA             | 1842          | COMP+CAN (d)      |               | 500 U                         | A                     |
| Cardinal IG                                   | Hood River, OR             | 4836          | COMP+CAN (d)      |               | 195 U                         | A                     |
| Cardinal IG                                   | Mountain Top, PA           | 3115          | COMP+CAN (s)      |               | 100 U                         | A                     |
| Cardinal IG                                   | Spring Green, WI           | 1845          | COMP+CAN (m)      |               | 150 U                         | A                     |
| Cardinal IG                                   | Tomah, WI                  | 2322          | COMP+CAN (d)      |               | 600 U                         | A                     |
| Cardinal IG                                   | Waxahachie, TX             | 4091          | COMP+CAN (d)      |               | 175 U                         | A                     |
| Cardinal IG                                   | Fremont, IN                | 2204          | COMP+CAN (d)      |               | 150 U                         | A                     |
| Cardinal IG                                   | Vinton, VA                 | 2924          | COMP+CAN (d)      |               | 100 U                         | A                     |
| Cardinal IG                                   | Fargo, ND                  | 2285          | COMP+CAN (m)      |               | 150 U                         | A                     |
| Cardinal IG                                   | Casa Grande, AZ            | 4104          | COMP+CAN (d)      |               | 250 U                         | A                     |
| Cardinal IG                                   | Buckeye, AZ                | 6525          | COMP+CAN (d)      |               | 125 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                     |
| Dongguan Trillion Aluminum Glass Co., Ltd     | Dongguan, Guangdong, China | 5863          | COMPOSITE (s)     |               | 285 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                           | Richburg, SC               | 1635          | COMPOSITE (m)     |               | 285 U                         | A                     |
| Guardian Glass, LLC                           | Corsicana, TX              | 2459          | COMP+CAN (m)      |               | 175 U                         | A                     |
| Guardian Glass, LLC                           | Kingsburg, CA              | 1301          | COMP+CAN (m)      |               | 125 U                         | A                     |
| Guardian IG LLC                               | Sun Prairie, WI            | 5645          | COMP+CAN (d)      |               | 600 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)      |               | 200 U                         | A                     |
| Jiangyin Mingyang Glass Production            | Jiangyin City, Jiangsu     | 6478          | COMPOSITE (m)     |               | 125 U                         | A                     |
| Jiaxing Joinbath Corporation                  | Jiaxing, Zhejiang, China   | 5711          | 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®                   | Langley, BC                | 3296          | COMP+CAN (d)      |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Calgary, AB                | 3273          | COMP+CAN (d)      |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Rock Hill, SC              | 4396          | COMP+CAN (d)      |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Moorestown, NJ             | 3187          | COMP+CAN (d)      |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Fremont, CA                | 3200          | COMP+CAN (d)      |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Shawnee, OK                | 3102          | COMP+CAN (m)      |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Schofield, WI              | 3177          | COMP+CAN (d)      |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Vancouver, WA              | 3227          | COMP+CAN (d)      |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Albertville, MN            | 3112          | COMP+CAN (s)      |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                   | Warrenton, MO              | 3152          | COMP+CAN (s)      |               | 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>5/32 Inch Tempered Patterned Glass</i>                      |                            |               |                 |         |               |                               |                       |
| Oldcastle BuildingEnvelope®                                    | Denver, CO                 | 3318          | COMP+CAN        | (d)     |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Grand Prairie, TX          | 3426          | COMP+CAN        | (IN)    |               | 175 U                         | A                     |
| PFG Glass                                                      | Langley, BC                | 3548          | COMP+CAN        | (d)     |               | 750 U                         | A                     |
| 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                     |
| Saand Webster                                                  | Webster, MA                | 2451          | COMPOSITE       | (s)     |               | 100 U                         | A                     |
| SCHOTT Gemtron - Sweetwater                                    | Sweetwater, TN             | 1424          | COMP+CAN        | (s)     |               | 285 U                         | A                     |
| SIGCO, Inc.                                                    | Westbrook, ME              | 2967          | COMPOSITE       | (s)     |               | 100 U                         | A                     |
| Skyline Design                                                 | Chicago, IL                | 6346          | COMP+CAN        | (s)     |               | 600 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        | (m)     |               | 285 U                         | A                     |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                | 6400          | COMPOSITE       | (d)     |               | 175 U                         | A                     |
| Tristar Glass, Inc.                                            | Catoosa, OK                | 4010          | COMPOSITE       | (s)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 6166          | COMPOSITE       | (d)     |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5802          | COMPOSITE       | (m)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | City of Industry, CA       | 4372          | COMPOSITE       | (d)     |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5448          | COMPOSITE       | (d)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN              | 4981          | COMPOSITE       | (d)     |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                | 5686          | COMP+CAN        | (d)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | San Antonio, TX            | 3647          | COMPOSITE       | (m)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fresno, CA                 | 5985          | COMPOSITE       | (m)     |               | 125 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                     |
| W.C.P., Inc dba West Coast Insulated Glass Products            | Cerritos, CA               | 6089          | COMPOSITE       | (m)     |               | 250 U                         | A                     |
| Wisconsin Shower Door & Supply Corp                            | Menomonee Falls, WI        | 5593          | COMPOSITE       | (m)     |               | 600 U                         | A                     |
| Wolverine Glass Products, Inc.                                 | Grand Rapids, MI           | 6060          | COMP+CAN        | (m)     |               | 200 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.                                        | Boardman, OH               | 5476          | COMP+CAN        | (m)     |               | 800 U                         | A                     |
| AGC-Poma Glass Co. N.A.                                        | Quakertown, PA             | 3698          | COMPOSITE       | (m)     |               | 100 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                     |
| 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                     |
| Cardinal CG                                                    | Buford, GA                 | 4599          | COMP+CAN        | (s)     |               | 165 U                         | A                     |
| Cardinal CG                                                    | Tumwater, WA               | 2956          | COMP+CAN        | (m)     |               | 195 U                         | A                     |
| Cardinal CG                                                    | Moreno Valley, CA          | 5336          | COMP+CAN        | (s)     |               | 250 U                         | A                     |
| Cardinal CG                                                    | Loveland, CO               | 4345          | COMPOSITE       | (m)     |               | 500 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                                                    | Waxahachie, TX             | 2705          | COMP+CAN        | (m)     |               | 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>3/16 Inch Tempered Patterned Glass</i>        |                          |               |                 |     |               |                               |                       |
| Cardinal CT                                      | Easton, PA               | 6143          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Cardinal CT                                      | Adel, GA                 | 5100          | COMP+CAN        | (d) |               | 165 U                         | A                     |
| Cardinal CT                                      | Utica, OH                | 4625          | COMP+CAN        | (m) |               | 100 U                         | A                     |
| Cardinal CT                                      | Mount Airy, NC           | 4582          | COMP+CAN        | (s) |               | 165 U                         | A                     |
| Cardinal CT                                      | Los Angeles, CA          | 5089          | COMP+CAN        | (m) |               | 250 U                         | A                     |
| 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                                      | Vinton, VA               | 3619          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Cardinal IG                                      | Waxahachie, TX           | 2399          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Cardinal IG                                      | Fremont, IN              | 2205          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Cardinal IG                                      | Fargo, ND                | 2286          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Cardinal IG                                      | Hood River, OR           | 2859          | COMP+CAN        | (m) |               | 195 U                         | A                     |
| Cardinal IG                                      | Casa Grande, AZ          | 4105          | COMP+CAN        | (m) |               | 250 U                         | A                     |
| Cardinal IG                                      | Tomah, WI                | 2323          | COMP+CAN        | (d) |               | 600 U                         | A                     |
| Cardinal IG                                      | Spring Green, WI         | 5912          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Cardinal IG                                      | Greenfield, IA           | 1843          | COMP+CAN        | (s) |               | 500 U                         | A                     |
| Cardinal IG                                      | Buckeye, AZ              | 6559          | COMP+CAN        | (m) |               | 125 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, Florida          | 6214          | COMPOSITE       | (m) |               | 165 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                     |
| General Glass                                    | Vanvouver, WA            | 5748          | COMPOSITE       | (s) |               | 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.                       | Tucson, AZ               | 6580          | COMPOSITE       | (m) |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Santa Teresa, NM         | 6605          | COMPOSITE       | (m) |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Englewood, CO            | 2193          | COMPOSITE       | (m) |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                       | Albuquerque, NM          | 6595          | COMPOSITE       | (m) |               | 175 U                         | A                     |
| Guardian Glass, LLC                              | Richburg, SC             | 1865          | COMPOSITE       | (m) |               | 285 U                         | A                     |
| Guardian Glass, LLC                              | Kingsburg, CA            | 1304          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Guardian Glass, LLC                              | Corsicana, TX            | 2460          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Guardian IG LLC                                  | Sun Prairie, WI          | 5646          | COMP+CAN        | (d) |               | 600 U                         | A                     |
| Guardian Industries Corp.                        | Galax, VA                | 4613          | COMP+CAN        | (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                     |
| Louisville Plate Glass                           | Louisville, KY           | 6077          | COMPOSITE       | (s) |               | 200 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®                      | Phoenix, AZ              | 3136          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Langley, BC              | 3297          | COMP+CAN        | (d) |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Rock Hill, SC            | 3283          | COMP+CAN        | (d) |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                      | Moorestown, NJ           | 3188          | COMP+CAN        | (m) |               | 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 Patterned Glass</i>                      |                            |               |                 |     |               |                               |                       |
| Oldcastle BuildingEnvelope®                                    | Houston, TX                | 3164          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Indianapolis, IN           | 2215          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Los Angeles, CA            | 935           | COMP+CAN        | (s) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Grand Prairie, TX          | 3427          | COMP+CAN        | (s) |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Denver, CO                 | 3319          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Vancouver, WA              | 3228          | COMP+CAN        | (m) |               | 195 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Albertville, MN            | 3113          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Schofield, WI              | 3178          | COMP+CAN        | (d) |               | 600 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Miami, FL                  | 3502          | COMP+CAN        | (m) |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO              | 3153          | COMP+CAN        | (m) |               | 500 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Calgary, AB                | 3274          | COMP+CAN        | (d) |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Tampa, FL                  | 3124          | COMP+CAN        | (m) |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Concord, ON                | 4424          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Perrysburg, OH             | 3243          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Hauppauge, NY              | 3492          | COMP+CAN        | (d) |               | 400 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Covington, GA              | 3338          | COMP+CAN        | (m) |               | 165 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Fremont, CA                | 3201          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                    | Shawnee, OK                | 3103          | COMP+CAN        | (m) |               | 175 U                         | A                     |
| PGF Glass                                                      | Langley, BC                | 3549          | COMP+CAN        | (m) |               | 750 U                         | A                     |
| PGT Industries                                                 | Nokomis, FL                | 3881          | COMPOSITE       | (s) |               | 285 U                         | A                     |
| Produits Verrier International Inc.                            | Montreal, Quebec           | 5505          | COMP+CAN        | (s) |               | 100 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                     |
| Saand Webster                                                  | Webster, MA                | 2603          | COMPOSITE       | (m) |               | 100 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 Connecticut                                         | Hamden, CT                 | 6307          | COMPOSITE       | (s) |               | 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                     |
| 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        | (m) |               | 285 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       | (s) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Cheswick, PA               | 1790          | COMPOSITE       | (s) |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5449          | COMPOSITE       | (m) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5803          | COMPOSITE       | (s) |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Indianapolis, IN           | 4750          | COMPOSITE       | (s) |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Bradenton, FL              | 6189          | COMPOSITE       | (d) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | San Antonio, TX            | 4342          | COMPOSITE       | (m) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Youngsville, NC            | 5279          | COMPOSITE       | (m) |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN              | 4160          | COMPOSITE       | (d) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | City of Industry, CA       | 4373          | COMPOSITE       | (m) |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                | 5190          | COMPOSITE       | (m) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fresno, CA                 | 5830          | COMPOSITE       | (d) |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Aurora, CO                 | 5349          | 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                           | Sacramento, CA             | 5816          | COMPOSITE       | (d) |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                           | Fort Worth, TX             | 5404          | COMPOSITE       | (m) |               | 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>3/16 Inch Tempered Patterned Glass</i>           |                            |               |                   |               |                               |                       |
| Trulite Glass and Aluminum Solutions                | Houston, TX                | 3931          | COMP+CAN (m)      |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Salt Lake City, UT         | 6006          | COMPOSITE (m)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Phoenix, AZ                | 5706          | COMPOSITE (m)     |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Las Vegas, NV              | 4219          | COMPOSITE (m)     |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                | Columbus, OH               | 6167          | COMPOSITE (m)     |               | 200 U                         | A                     |
| U.S. Glass Distributors Inc.                        | Enfield, CT                | 5918          | COMP+CAN (m)      |               | 400 U                         | A                     |
| 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          | COMPOSITE (d)     |               | 250 U                         | A                     |
| Wisconsin Shower Door & Supply Corp                 | Menomonee Falls, WI        | 5594          | COMPOSITE (s)     |               | 600 U                         | A                     |
| WSD Glass, Inc.                                     | Winston-Salem, NC          | 4051          | COMPOSITE (s)     |               | 165 U                         | A                     |
| <i>7/32 Inch Tempered Patterned Glass</i>           |                            |               |                   |               |                               |                       |
| Saand Webster                                       | Webster, MA                | 3024          | COMPOSITE (m)     |               | 100 U                         | A                     |
| <i>1/4 Inch Tempered Patterned Glass</i>            |                            |               |                   |               |                               |                       |
| Aldora Aluminum and Glass Products Inc.             | Charleston, SC             | 4338          | COMPOSITE (m)     |               | 285 U                         | A                     |
| American Shower Door                                | Los Angeles, CA            | 3042          | COMPOSITE (s)     |               | 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)     |               | 285 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.                             | Debary, Florida            | 6215          | COMPOSITE (s)     |               | 165 U                         | A                     |
| Denver Glass Interiors, Inc.                        | Englewood, CO              | 4507          | COMPOSITE (m)     |               | 175 U                         | A                     |
| Dongguan Trillion Aluminum Glass Co., Ltd           | Dongguan, Guangdong, China | 5864          | COMPOSITE (s)     |               | 285 U                         | A                     |
| Flat Glass Distributors                             | Jacksonville, FL           | 3831          | COMPOSITE (s)     |               | 285 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)      |               | 600 U                         | A                     |
| Intex Glass (Xiamen) Co., Ltd.                      | Xiamen, Fujian, China      | 6133          | COMP+CAN (s)      |               | 200 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 Windows                                       | Des Moines, IA             | 6295          | COMPOSITE (m)     |               | 500 U                         | A                     |
| McGrory Glass                                       | Paulsboro, NJ              | 4818          | COMPOSITE (s)     |               | 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®                         | Perrysburg, OH             | 3244          | COMP+CAN (m)      |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Los Angeles, CA            | 4133          | COMP+CAN (s)      |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Calgary, AB                | 3275          | COMP+CAN (m)      |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                         | Phoenix, AZ                | 3999          | COMP+CAN (m)      |               | 125 U                         | A                     |

**Certified Products-By Product Type**

|                                                                |                            |               |                 |         | <u>Max Size</u>  | <u>ANSI</u>  |
|----------------------------------------------------------------|----------------------------|---------------|-----------------|---------|------------------|--------------|
|                                                                |                            |               |                 |         | <u>Certified</u> | <u>CLASS</u> |
|                                                                |                            | <u>SGCC #</u> | <u>Standard</u> |         | <u>Lab ID</u>    |              |
| 1/4 Inch Tempered Patterned Glass                              |                            |               |                 |         |                  |              |
| Oldcastle BuildingEnvelope®                                    | Indianapolis, IN           | 5442          | COMP+CAN        | (d)     | 150 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Warrenton, MO              | 3154          | COMP+CAN        | (m)     | 500 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®                                    | Denver, CO                 | 3320          | COMP+CAN        | (m)     | 125 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Moorestown, NJ             | 3189          | COMP+CAN        | (m)     | 100 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Schofield, WI              | 3179          | COMP+CAN        | (d)     | 600 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Albertville, MN            | 3561          | COMP+CAN        | (s)     | 150 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Rock Hill, SC              | 3284          | COMP+CAN        | (d)     | 165 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Tampa, FL                  | 3125          | COMP+CAN        | (m)     | 285 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Vancouver, WA              | 3229          | COMP+CAN        | (m)     | 195 U            | A            |
| Oldcastle BuildingEnvelope®                                    | Covington, GA              | 3339          | COMP+CAN        | (m)     | 165 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)     | 285 U            | A            |
| Texas Tempered, a Trulite Glass and Aluminum Solutions Company | Houston, TX                | 6402          | COMPOSITE       | (m)     | 175 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Phoenix, AZ                | 5707          | COMPOSITE       | (m)     | 250 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Fresno, CA                 | 5831          | COMPOSITE       | (m)     | 125 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Houston, TX                | 6259          | COMP+CAN        | (s)     | 175 U            | A            |
| Trulite Glass and Aluminum Solutions                           | City of Industry, CA       | 4189          | COMPOSITE       | (m)     | 250 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Fremont, CA                | 5804          | COMPOSITE       | (m)     | 125 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Salt Lake City, UT         | 6007          | COMPOSITE       | (s)     | 125 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Knoxville, TN              | 4980          | COMPOSITE       | (d)     | 285 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Tulsa, OK                  | 5450          | COMPOSITE       | (m)     | 175 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Las Vegas, NV              | 4220          | COMPOSITE       | (m)     | 250 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Columbus, OH               | 6168          | COMPOSITE       | (m)     | 200 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Orlando, FL                | 5191          | COMPOSITE       | (m)     | 285 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Sacramento, CA             | 5817          | COMPOSITE       | (m)     | 125 U            | A            |
| Trulite Glass and Aluminum Solutions                           | Lithia Springs, GA         | 6114          | COMP+CAN        | (m)     | 165 U            | A            |
| U.S. Glass Distributors Inc.                                   | Enfield, CT                | 5919          | COMP+CAN        | (s)     | 400 U            | A            |
| Wisconsin Shower Door & Supply Corp                            | Menomonee Falls, WI        | 5595          | COMPOSITE       | (m)     | 600 U            | A            |
| 5/16 Inch Tempered Patterned Glass                             |                            |               |                 |         |                  |              |
| Skyline Design                                                 | Chicago, IL                | 6348          | COMP+CAN        | (s)     | 600 U            | A            |
| 3/8 Inch Tempered Patterned Glass                              |                            |               |                 |         |                  |              |
| Aldora Aluminum and Glass Products Inc.                        | Charleston, SC             | 4339          | COMPOSITE       | (s)     | 285 U            | A            |
| American Shower Door                                           | Los Angeles, CA            | 3043          | COMPOSITE       | (s)     | 250 U            | A            |
| Basco Engineered Products                                      | Hamilton, OH               | 5203          | COMPOSITE       | (m)     | 200 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.                                        | Debary, Florida            | 6216          | COMPOSITE       | (s)     | 165 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            |

**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> |
|-------------------------------------------------------------------|-------------------|---------------|-----------------|-----|---------------|-------------------------------|-----------------------|
| 3/8 Inch Tempered Patterned Glass                                 |                   |               |                 |     |               |                               |                       |
| 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                     |
| 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.                                        | Tucson, AZ        | 6581          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                        | Santa Teresa, NM  | 6606          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                        | Nampa, ID         | 6612          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Glaz-Tech Industries, Inc.                                        | Albuquerque, NM   | 6593          | 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 Windows                                                     | Des Moines, IA    | 6296          | COMPOSITE       | (m) |               | 500 U                         | A                     |
| 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                     |
| Oldcastle BuildingEnvelope®                                       | Denver, CO        | 3321          | COMP+CAN        | (m) |               | 125 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®                                       | Perrysburg, OH    | 3245          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Calgary, AB       | 3262          | COMP+CAN        | (d) |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Langley, BC       | 4710          | COMP+CAN        | (s) |               | 750 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Grand Prairie, TX | 3428          | COMP+CAN        | (s) |               | 175 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Concord, ON       | 3448          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Los Angeles, CA   | 3793          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Fremont, CA       | 3203          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Miami, FL         | 3503          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Tampa, FL         | 4340          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Phoenix, AZ       | 3729          | COMP+CAN        | (m) |               | 125 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Moorestown, NJ    | 3190          | COMP+CAN        | (s) |               | 100 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Indianapolis, IN  | 3259          | COMP+CAN        | (s) |               | 150 U                         | A                     |
| Oldcastle BuildingEnvelope®                                       | Albertville, MN   | 3127          | COMP+CAN        | (m) |               | 150 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®                                       | 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                     |
| SIGCO, Inc.                                                       | Westbrook, ME     | 4206          | COMPOSITE       | (s) |               | 100 U                         | A                     |
| Skyline Design                                                    | Chicago, IL       | 6349          | COMP+CAN        | (s) |               | 600 U                         | A                     |
| Tengzhou Fenghua Glass Co., LTD                                   | Tengzhou, China   | 6427          | COMP+CAN        | (s) |               | 285 U                         | A                     |
| Texas Tempered, a Trulite Glass and<br>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                              | Cheswick, PA      | 4453          | COMPOSITE       | (s) |               | 100 U                         | A                     |
| Trulite Glass and Aluminum Solutions                              | Las Vegas, NV     | 4221          | COMPOSITE       | (s) |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                              | Tulsa, OK         | 5451          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                              | Bradenton, FL     | 6190          | COMPOSITE       | (s) |               | 285 U                         | A                     |
| Trulite Glass and Aluminum Solutions                              | Columbus, OH      | 6169          | COMPOSITE       | (s) |               | 200 U                         | A                     |
| Trulite Glass and Aluminum Solutions                              | Aurora, CO        | 5350          | COMPOSITE       | (s) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                              | Houston, TX       | 6260          | COMP+CAN        | (s) |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                              | Knoxville, TN     | 5134          | COMPOSITE       | (m) |               | 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> |
|--------------------------------------------------------------------------------------------|-------------------------------|---------------|-----------------|---------|---------------|-------------------------------|-----------------------|
| 3/8 Inch Tempered Patterned Glass                                                          |                               |               |                 |         |               |                               |                       |
| Trulite Glass and Aluminum Solutions                                                       | Salt Lake City, UT            | 6008          | COMPOSITE       | (s)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Fresno, CA                    | 5832          | COMPOSITE       | (s)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Phoenix, AZ                   | 5747          | COMPOSITE       | (m)     |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Fremont, CA                   | 5805          | COMPOSITE       | (s)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Lithia Springs, GA            | 6115          | COMP+CAN        | (s)     |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Fort Worth, TX                | 5405          | COMPOSITE       | (m)     |               | 175 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | City of Industry, CA          | 4374          | COMPOSITE       | (s)     |               | 250 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Youngsville, NC               | 6187          | COMPOSITE       | (s)     |               | 165 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Sacramento, CA                | 5818          | COMPOSITE       | (s)     |               | 125 U                         | A                     |
| Trulite Glass and Aluminum Solutions                                                       | Orlando, FL                   | 5192          | COMPOSITE       | (s)     |               | 285 U                         | A                     |
| U.S. Glass Distributors Inc.                                                               | Enfield, CT                   | 5920          | COMP+CAN        | (s)     |               | 400 U                         | A                     |
| W. A. Wilson Inc.                                                                          | Wheeling, WV                  | 4176          | COMPOSITE       | (s)     |               | 200 U                         | A                     |
| Wisconsin Shower Door & Supply Corp                                                        | Menomonee Falls, WI           | 5596          | COMPOSITE       | (m)     |               | 600 U                         | A                     |
| 1/2 Inch Tempered Patterned Glass                                                          |                               |               |                 |         |               |                               |                       |
| GGI Glass Distributors Corp.                                                               | Secaucus, NJ                  | 3974          | COMPOSITE       | (IN)(s) |               | 100 U                         | A                     |
| McGrory Glass                                                                              | Paulsboro, NJ                 | 4820          | COMPOSITE       | (s)     |               | 100 U                         | A                     |
| Skyline Design                                                                             | Chicago, IL                   | 6350          | COMP+CAN        | (s)     |               | 600 U                         | A                     |
| Wisconsin Shower Door & Supply Corp                                                        | Menomonee Falls, WI           | 5597          | COMPOSITE       | (m)     |               | 600 U                         | A                     |
| 5/8 Inch Tempered Patterned Glass                                                          |                               |               |                 |         |               |                               |                       |
| Skyline Design                                                                             | Chicago, IL                   | 6351          | COMP+CAN        | (s)     |               | 600 U                         | A                     |
| 3/4 Inch Tempered Patterned Glass                                                          |                               |               |                 |         |               |                               |                       |
| Skyline Design                                                                             | Chicago, IL                   | 6352          | COMP+CAN        | (s)     |               | 600 U                         | A                     |
| <u>Tempered Bent Patterned Glass</u>                                                       |                               |               |                 |         |               |                               |                       |
| 3/16 Inch Tempered Bent Patterned Glass                                                    |                               |               |                 |         |               |                               |                       |
| 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                     |
| 1/4 Inch Tempered Bent Patterned Glass                                                     |                               |               |                 |         |               |                               |                       |
| JYC Glass Co. Ltd.                                                                         | Foshan, Guangdong, China      | 6620          | COMP+CAN        | (s)     |               | 125 U                         | A                     |
| 6 mm Tempered Bent Patterned Glass (Conforms to thickness tolerance other than ASTM C1036) |                               |               |                 |         |               |                               |                       |
| Bendheim Wall Systems                                                                      | Wunsiedel-Holenbrunn, Germany | 5145          | COMPOSITE       | (s)(2)  |               | 100 20x76                     | A                     |
| 7 mm Tempered Bent Patterned Glass (Conforms to thickness tolerance other than ASTM C1036) |                               |               |                 |         |               |                               |                       |
| Bendheim Wall Systems                                                                      | Wunsiedel-Holenbrunn, Germany | 5144          | COMPOSITE       | (s)(2)  |               | 100 16x76                     | A                     |
| <u>Tempered Bent Glass</u>                                                                 |                               |               |                 |         |               |                               |                       |
| 5/32 Inch Tempered Bent Glass                                                              |                               |               |                 |         |               |                               |                       |
| 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                     |
| 3/16 Inch Tempered Bent Glass                                                              |                               |               |                 |         |               |                               |                       |
| Anthony International                                                                      | Madison, GA                   | 2306          | COMPOSITE       |         |               | 165 U                         | A                     |
| Jiaxing Joinbath Corporation                                                               | Jiaxing, Zhejiang, China      | 5713          | COMPOSITE       |         |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co., Ltd                                                      | Guangdong                     | 6628          | COMPOSITE       |         |               | 250 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                     |
| SG Glass Industries L.L.C.                                                                 | Miami Gardens, FL             | 6356          | COMP+CAN        |         |               | 285 U                         | A                     |
| Tai Sheng (Dong Guan) Glass Co.,Ltd                                                        | Dongguan, Guangdong, China    | 6053          | 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> |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------|-----------------|---------------|-------------------------------|-----------------------|
| <b>3/16 Inch Tempered Bent Glass</b>                                                    |                                 |               |                 |               |                               |                       |
| 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                     |
| <b>1/4 Inch Tempered Bent Glass</b>                                                     |                                 |               |                 |               |                               |                       |
| Anthony International                                                                   | Madison, GA                     | 2307          | COMPOSITE       |               | 165 U                         | A                     |
| Asahi Glass Co., LTD.                                                                   | Aichi, Japan                    | 6439          | COMPOSITE       |               | 250 U                         | A                     |
| Dlubak Corporation                                                                      | Blairsville, PA                 | 5965          | COMPOSITE       |               | 100 U                         | A                     |
| Foshan Gaoming Yaqi Toughened Glass                                                     | Foshan City, Guangdong Province | 6123          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory                                          | Foshan, Guangdong, China        | 5550          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                 | Jiangmen, Guangdong, China      | 5052          | COMP+CAN        |               | 125 U                         | A                     |
| Jiaxing Joinbath Corporation                                                            | Jiaxing, Zhejiang, China        | 6573          | COMPOSITE       |               | 125 U                         | A                     |
| Jin Yao Chang Tempered Glass Co., Ltd                                                   | Guangdong                       | 6629          | COMPOSITE       |               | 250 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                     |
| 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        |               | 400 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                     |
| 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          | COMPOSITE       |               | 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>                                                    |                                 |               |                 |               |                               |                       |
| Foshan Gaoming Yaqi Toughened Glass                                                     | Foshan City, Guangdong Province | 6124          | COMPOSITE       |               | 125 U                         | A                     |
| Foshan Nanhai Gangsheng Tempered Glass Factory                                          | Foshan, Guangdong, China        | 5551          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                 | Jiangmen, 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        |               | 400 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                     |
| <b>3/8 Inch Tempered Bent Glass</b>                                                     |                                 |               |                 |               |                               |                       |
| Foshan Nanhai Gangsheng Tempered Glass Factory                                          | Foshan, Guangdong, China        | 5552          | COMP+CAN        | (IN)          | 125 U                         | A                     |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                 | Jiangmen, Guangdong, China      | 5054          | COMP+CAN        |               | 125 U                         | 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        |               | 400 U                         | A                     |
| <b>1/2 Inch Tempered Bent Glass</b>                                                     |                                 |               |                 |               |                               |                       |
| Jiangmen SYP Engineering Glass Co, Ltd.                                                 | Jiangmen, Guangdong, China      | 5055          | COMP+CAN        |               | 125 U                         | A                     |
| Standard Bent Glass                                                                     | East Butler, PA                 | 6156          | COMP+CAN        |               | 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>Laminated Transparent Glass</b>                |                             |               |                 |                         |                               |                       |
| <i>(S) Laminated Transparent Glass</i>            |                             |               |                 |                         |                               |                       |
| 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                     |
| 5mm Cardinal LG                                   | Amery, WI                   | 4120          | COMP+CAN        | (.015)(C1) (b)(A)       | 150 U                         | B                     |
| 5-6mm Cardinal LG Northeast                       | Jessup, PA                  | 6617          | COMP+CAN        | (.035) (ip)(A)          | 400 U                         | A                     |
| 5-6mm Cardinal LG Northeast                       | Jessup, PA                  | 5224          | COMP+CAN        | (.030) (b)(A)           | 400 U                         | A                     |
| 5-6mm Pennsylvania Insulating Glass               | Lewistown, PA               | 3918          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 5-6mm U.S. Glass Distributors Inc.                | Enfield, CT                 | 6430          | COMP+CAN        | (.030) (b)(A)           | 400 U                         | A                     |
| <i>(S) Laminated Transparent Glass</i>            |                             |               |                 |                         |                               |                       |
| 6mm Berkowitz, J.E.                               | Pedricktown, NJ             | 5222          | COMP+CAN        | (.030) (b)(A)           | 100 U                         | A                     |
| 6mm Cardinal IG                                   | Ocala, FL                   | 3509          | COMPOSITE       | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Cardinal IG                                   | Ocala, FL                   | 6100          | COMP+CAN        | (.035) (ip)(A)          | 285 U                         | A                     |
| 6mm Consolidated Armor Products, LLC              | Addison, TX                 | 5418          | COMP+CAN        | (.030) (b)(A)           | 175 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 Glass Dynamics, Inc.                          | Stoneville, NC              | 4413          | COMPOSITE       | (.035) (ip)(A)          | 285 U                         | A                     |
| 6mm Glass Dynamics, Inc.                          | Stoneville, NC              | 4375          | COMPOSITE       | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm GlassFab Tempering Services, Inc. Mariani Ct. | Tracy, CA                   | 6408          | COMPOSITE       | (.030) (b)(A)           | 125 U                         | A                     |
| 6mm Global Security Glazing                       | Selma, AL                   | 4769          | 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 Guardian Industries Corp.                     | Galax, VA                   | 4633          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Insulite Glass Co., Inc.                      | Olathe, KS                  | 3718          | COMPOSITE       | (.030) (b)(A)           | 150 U                         | A                     |
| 6mm Intus Windows LLC                             | Kielce, Poland              | 6202          | COMPOSITE       | (.030) (b)(A)           | 100 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      | 6483          | COMPOSITE       | (.035) (ip)(A)          | 285 U                         | A                     |
| 6mm M Industria S.A. DE C.V.                      | Merida, Yucatan Mexico      | 6482          | COMPOSITE       | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Multiver Inc.                                 | Montreal, QC                | 5913          | COMP+CAN        | (.015) (b)(A)           | 400 U                         | B                     |
| 6mm Nashville Tempered Glass LLC                  | Hendersonville, TN          | 5229          | COMP+CAN        | (.015) (b)(A)           | 285 U                         | B                     |
| 6mm Northwestern Inds, Inc.                       | Seattle, WA                 | 6437          | COMPOSITE       | (.030) (b)(A)           | 195 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Tampa, FL                   | 4448          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Perrysburg, OH              | 4700          | COMP+CAN        | (.030) (b)(A)           | 100 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Denver, CO                  | 4533          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Hauppauge, NY               | 3392          | COMP+CAN        | (.030) (b)(A)           | 400 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Fremont, CA                 | 6195          | COMP+CAN        | (.030) (b)(A)           | 125 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Grand Prairie, TX           | 5459          | COMP+CAN        | (.030) (b)(A)           | 175 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Schofield, WI               | 3176          | COMP+CAN        | (.030) (b)(A)           | 600 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®                   | Los Angeles, CA             | 5630          | COMP+CAN        | (.035) (ip)(A)          | 125 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Wright City, MO             | 4526          | COMP+CAN        | (.030) (b)(A)           | 150 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Langley, BC                 | 4475          | COMP+CAN        | (.030) (b)(A)           | 750 U                         | B                     |
| 6mm Oldcastle BuildingEnvelope®                   | Wright City, MO             | 4528          | COMP+CAN        | (.035) (ip)(A)          | 150 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope®                   | Miami, FL                   | 4397          | COMP+CAN        | (.035) (ip)(A)          | 285 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope® Canada Inc.       | Pointe-aux-Trembles, QC     | 5025          | COMP+CAN        | (.030) (b)(A)           | 100 U                         | A                     |
| 6mm Oldcastle BuildingEnvelope® Canada Inc.       | Pointe-aux-Trembles, QC     | 5024          | COMP+CAN        | (.015)(C1) (b)(A)       | 100 U                         | B                     |
| 6mm Oldcastle BuildingEnvelope® Canada Inc.       | Pointe-aux-Trembles, QC     | 4432          | COMP+CAN        | (.035) (ip)(A)          | 100 U                         | A                     |
| 6mm Phoenixia Flat Glass Industries               | Nazaret, Ilit Israel        | 5786          | COMPOSITE       | (.015) (b)(A)           | 100 U                         | B                     |

***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> |
|------------------------------------------|------------------------------------|---------------|-----------------|---------------------|-------------------------------|-----------------------|
| (S) Laminated Transparent Glass          |                                    |               |                 |                     |                               |                       |
| 6mm Phoenicia Flat Glass Industries      | Nazaret, Ilit Israel               | 5290          | COMPOSITE       | (.030) (b)(A)       | 100 U                         | A                     |
| 6mm Prelco Inc.                          | Riviere-du-loup, QC                | 4905          | COMP+CAN        | (.030) (b)(A)       | 800 U                         | A                     |
| 6mm PRL Glass Systems                    | City of Industry, CA               | 6448          | COMPOSITE       | (.030) (b)(A)       | 125 U                         | A                     |
| 6mm Qingdao Laurel Enterprise Co., Ltd.  | Qingdao City, China                | 5689          | COMPOSITE       | (.015) (b)(A)       | 200 U                         | A                     |
| 6mm Rizhao Huaye Glass Co., Ltd.         | Rizhao, Shandong                   | 5580          | COMP+CAN        | (.015) (b)(A)       | 285 U                         | B                     |
| 6mm SAAND Rexdale                        | Rexdale, ON                        | 5001          | COMP+CAN        | (.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 Saint Gobain Mexico, S.A. de C.V.    | Cuautla, Morelos, Mexico           | 5907          | COMPOSITE       | (.030) (b)(A)       | 400 U                         | A                     |
| 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)       | 400 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)       | 195 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)       | 285 U                         | A                     |
| 6mm Thermo BSL                           | Riviere-du-loup, QC                | 6550          | 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 | Columbus, OH                       | 6163          | COMPOSITE       | (.035) (ip)(A)      | 200 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 | Youngsville, NC                    | 4437          | COMPOSITE       | (.030) (b)(A)       | 165 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 | Orlando, FL                        | 3461          | COMPOSITE       | (.030) (b)(A)       | 285 U                         | A                     |
| 6mm Trulite Glass and Aluminum Solutions | City of Industry, CA               | 4233          | COMPOSITE       | (.030) (b)(A)       | 250 U                         | A                     |
| 6mm Trulite Glass and Aluminum Solutions | New Berlin, WI                     | 3430          | COMPOSITE       | (.030) (b)(A)       | 150 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 | Lithia Springs, GA                 | 6110          | COMP+CAN        | (.060) (IN) (ip)(A) | 165 U                         | A                     |
| 6mm Trulite Glass and Aluminum Solutions | Grenada, MS                        | 4743          | COMPOSITE       | (.030) (b)(A)       | 500 U                         | B                     |
| 6mm Trulite Glass and Aluminum Solutions | Vaughan, ON                        | 5631          | COMP+CAN        | (.030) (b)(A)       | 450 U                         | A                     |
| 6mm Trulite Glass and Aluminum Solutions | Columbus, OH                       | 3407          | COMPOSITE       | (.030) (b)(A)       | 200 U                         | A                     |
| 6mm United Plate Glass Co., Inc.         | Butler, PA                         | 6224          | COMP+CAN        | (.030) (b)(A)       | 800 U                         | A                     |
| 6mm United Plate Glass Co., Inc.         | Butler, PA                         | 6250          | COMP+CAN        | (.035) (ip)(A)      | 800 U                         | A                     |
| 6mm Vidrio Bisel S.A. de C.V.            | Santa Catarina, Nuevo Leon, Mexico | 4968          | COMP+CAN        | (.030) (b)(A)       | 175 U                         | A                     |
| 6mm Vidrio Bisel S.A. de C.V.            | Santa Catarina, Nuevo Leon, Mexico | 4969          | COMP+CAN        | (.015)(C1) (b)(A)   | 175 U                         | B                     |
| 6mm Vidrios el Castillo SC de RL de CV   | Escobedo, Nuevo Leon, Mexico       | 6083          | COMP+CAN        | (.030) (b)(A)       | 175 U                         | A                     |
| 6mm Vidrios el Castillo SC de RL de CV   | Escobedo, Nuevo Leon, Mexico       | 6058          | COMP+CAN        | (.015) (b)(A)       | 175 U                         | B                     |
| 6mm View Inc.                            | Olive Branch, MS                   | 6390          | COMPOSITE       | (.030) (b)(A)       | 175 U                         | A                     |
| 6mm Viracon Inc.                         | Owatonna, MN                       | 1637          | COMP+CAN        | (.030) (b)(A)       | 150 U                         | A                     |
| 6mm Viracon Inc.                         | St. George, UT                     | 6116          | COMPOSITE       | (.030) (b)(A)       | 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>(S) Laminated Transparent Glass</i>                  |                               |               |                 |                         |                               |                       |
| 6mm Viracon Inc.                                        | Statesboro, GA                | 5017          | COMP+CAN        | (.030) (b)(A)           | 165 U                         | A                     |
| 6mm VistaGlass Direct                                   | Coral Springs, FL             | 6521          | COMPOSITE       | (.060) (ev)(A)          | 285 U                         | A                     |
| 6mm Vitrum Glass Group                                  | Langley, BC                   | 6386          | COMP+CAN        | (.030) (b)(A)           | 195 U                         | A                     |
| 6mm W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA                  | 6091          | COMPOSITE       | (.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 Group (Glass) Co., Ltd.                       | Dongguan, Guangdong, China    | 3056          | COMP+CAN        | (.030) (b)(A)           | 195 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                   | 6428          | COMPOSITE       | (.060) (b)(A)           | 285 U                         | A                     |
| 8mm Aldora Aluminum and Glass Products, Inc.            | Orlando, FL                   | 6429          | COMPOSITE       | (.060) (ip)(A)          | 285 U                         | A                     |
| 8-16+mm Berkowitz, J.E.                                 | Pedricktown, NJ               | 3750          | COMP+CAN        | (.030) (b)(A)           | 100 U                         | A                     |
| 8-12mm Cardinal IG                                      | Ocala, FL                     | 3510          | COMPOSITE       | (.030) (b)(A)           | 285 U                         | A                     |
| 8-12mm Cardinal IG                                      | Ocala, FL                     | 4362          | COMPOSITE       | (.035) (ip)(A)          | 285 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                    | 6618          | COMP+CAN        | (.035) (ip)(A)          | 400 U                         | A                     |
| 8-12mm Cardinal LG Northeast                            | Jessup, PA                    | 5225          | COMP+CAN        | (.030) (b)(A)           | 400 U                         | A                     |
| 8mm Changshu Zhongxin Bldg. Mat. Co.                    | Changshu City, China          | 4363          | COMP+CAN        | (.090) (b)(A)           | 750 U                         | A                     |
| 8-16+mm Colorkote CT, LLC                               | Stratford, CT                 | 5265          | COMP+CAN        | (.030) (ev)(A)          | 100 U                         | A                     |
| 8-16+mm Consolidated Armor Products, LLC                | Addison, TX                   | 5419          | COMP+CAN        | (.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 Dongguan Dongfa Glass Product Co., Ltd           | Dongguan, Guangdong, China    | 4123          | COMP+CAN        | (.030) (b)(A)           | 285 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 GLASPRO                                         | Santa Fe Springs, CA          | 6050          | COMP+CAN        | (.030) (b)(A)           | 250 U                         | A                     |
| 8-16+mm Glass Dynamics, Inc.                            | Stoneville, NC                | 4376          | COMPOSITE       | (.030) (b)(A)           | 285 U                         | A                     |
| 8-16+mm Glass Dynamics, Inc.                            | Stoneville, NC                | 4414          | COMPOSITE       | (.035) (ip)(A)          | 285 U                         | A                     |
| 8mm Guardian Industries Corp.                           | Galax, VA                     | 4658          | COMP+CAN        | (.030) (b)(A)           | 285 U                         | A                     |
| 8-10mm Guardian Industries Corp.                        | Galax, VA                     | 4829          | COMP+CAN        | (.075) (b)(p)(el)(6)(A) | 285 U                         | A                     |
| 8mm Gulf Glass Industries, LLC                          | Sharjah, United Arab Emirates | 4799          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 8mm Hanwood Enterprises Limited                         | Wanchai, Hong Kong            | 6003          | COMPOSITE       | (.090) (b)(A)           | 125 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.         | Jiangmen, 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          | COMPOSITE       | (.030) (b)(A)           | 285 U                         | A                     |
| 8-16+mm M Industria S.A. DE C.V.                        | Merida, Yucatan Mexico        | 5413          | COMPOSITE       | (.035) (ip)(A)          | 285 U                         | A                     |
| 8-12mm McGrory Glass                                    | Paulsboro, NJ                 | 5263          | COMPOSITE       | (.030) (b)(A)           | 100 U                         | A                     |
| 8-16+mm Multiver Inc.                                   | Montreal, QC                  | 5916          | COMP+CAN        | (.060) (ip)(A)          | 400 U                         | A                     |
| 8mm Multiver Inc.                                       | Montreal, QC                  | 5914          | COMP+CAN        | (.015) (b)(A)           | 400 U                         | B                     |
| 8-16+mm Oldcastle BuildingEnvelope®                     | Miami, FL                     | 4399          | COMP+CAN        | (.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>          |                          |               |                 |                |                               |                       |
| 8-16+mm Oldcastle BuildingEnvelope®             | Miami, FL                | 4398          | COMP+CAN        | (.030) (b)(A)  | 285 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Tampa, FL                | 4449          | COMP+CAN        | (.030) (b)(A)  | 285 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Los Angeles, CA          | 4561          | COMP+CAN        | (.035) (ip)(A) | 125 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Wright City, MO          | 4529          | COMP+CAN        | (.035) (ip)(A) | 150 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Perrysburg, OH           | 4446          | COMP+CAN        | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Los Angeles, CA          | 4563          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Perrysburg, OH           | 4444          | COMP+CAN        | (.060) (ip)(A) | 100 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Fremont, CA              | 4460          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Langley, BC              | 4476          | COMP+CAN        | (.030) (b)(A)  | 750 U                         | B                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Fremont, CA              | 4461          | COMP+CAN        | (.060) (ip)(A) | 125 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Hauppauge, NY            | 4618          | COMP+CAN        | (.030) (b)(A)  | 400 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Denver, CO               | 4454          | COMP+CAN        | (.030) (b)(A)  | 125 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Schofield, WI            | 4558          | COMP+CAN        | (.030) (b)(A)  | 600 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Houston, TX              | 4402          | COMP+CAN        | (.030) (b)(A)  | 175 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope®             | Wright City, MO          | 4527          | COMP+CAN        | (.030) (b)(A)  | 150 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope® Canada Inc. | Pointe-aux-Trembles, QC  | 4435          | COMP+CAN        | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Oldcastle BuildingEnvelope® Canada Inc. | Pointe-aux-Trembles, QC  | 4433          | COMP+CAN        | (.035) (ip)(A) | 100 U                         | A                     |
| 8-12mm PGT Industries                           | Nokomis, FL              | 3482          | COMPOSITE       | (.090) (ip)(A) | 285 U                         | A                     |
| 8-12mm PGT Industries                           | Nokomis, FL              | 2426          | COMPOSITE       | (.060) (b)(A)  | 285 U                         | A                     |
| 8mm Phoenicia Flat Glass Industries             | Nazaret, Ilit Israel     | 5629          | COMPOSITE       | (.030) (b)(A)  | 100 U                         | A                     |
| 8-16+mm Prelco Inc.                             | Riviere-du-loup, QC      | 4906          | 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 SA                          | Radomsko, Poland         | 5851          | COMP+CAN        | (.030) (b)(A)  | 800 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                     |
| 8-16+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                     |
| 8mm Saint Gobain Mexico, S.A. de C.V.           | Cuautla, Morelos, Mexico | 5906          | COMPOSITE       | (.015) (b)(A)  | 400 U                         | B                     |
| 8mm Saint Gobain Mexico, S.A. de C.V.           | Cuautla, Morelos, Mexico | 5908          | COMPOSITE       | (.030) (b)(A)  | 400 U                         | A                     |
| 8-16+mm Shanghai SYP Building Glass             | Shanghai, China          | 4807          | COMPOSITE       | (.035) (ip)(A) | 125 U                         | A                     |
| 8mm Shanghai SYP Building Glass                 | Shanghai, China          | 4353          | COMPOSITE       | (.030) (b)(A)  | 125 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                     |
| 8-12, 20+mm Syracuse Glass Co., Inc.            | Syracuse, NY             | 6393          | COMP+CAN        | (.060) (ip)(A) | 400 U                         | A                     |
| 8-12, 20+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)  | 195 U                         | A                     |
| 8-16+mm Tecnoglass S.A.                         | Barranquilla, Colombia   | 4003          | COMP+CAN        | (.030) (b)(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>    |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  |                  |              |
|  |  |  |  |  | </               |              |

**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>                      |                            |               |                 |                   |                               |                       |
| 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.            | Jiangmen, 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                     |
| 10mm Louisville Plate Glass                                 | Louisville, KY             | 5093          | COMPOSITE       | (.060) (lu)(A)(6) | 200 U                         | A                     |
| 10-12mm Nashville Tempered Glass LLC                        | Hendersonville, TN         | 5230          | COMP+CAN        | (.030) (b)(A)     | 285 U                         | A                     |
| 10-12mm Oldcastle BuildingEnvelope®                         | Covington, GA              | 4393          | COMP+CAN        | (.035) (ip)(A)    | 165 U                         | A                     |
| 10, 16+mm Oldcastle BuildingEnvelope®                       | Houston, TX                | 6614          | COMP+CAN        | (.060) (ip)(A)    | 175 U                         | A                     |
| 10-16+mm Oldcastle BuildingEnvelope®                        | Covington, GA              | 4392          | COMP+CAN        | (.030) (b)(A)     | 165 U                         | A                     |
| 10-16+mm Oldcastle BuildingEnvelope®                        | Hauppauge, NY              | 5355          | COMP+CAN        | (.060) (ip)(A)    | 400 U                         | A                     |
| 10-12mm Saint Gobain Mexico, S.A. de C.V.                   | Cuautla, Morelos, Mexico   | 5909          | COMPOSITE       | (.090) (b)(A)     | 400 U                         | A                     |
| 10-16+mm Shanghai SYP Building Glass                        | Shanghai, China            | 2780          | COMPOSITE       | (.015) (b)(A)     | 125 U                         | B                     |
| 10-16+mm Standard Bent Glass                                | East Butler, PA            | 6306          | COMP+CAN        | (.030) (b)(A)     | 400 U                         | A                     |
| 10-12mm Templado USA Glass & Aluminum Products              | Barranquilla, Colombia     | 6338          | COMPOSITE       | (.035) (ip)(A)    | 285 U                         | A                     |
| 10mm Templados Del Centro SA DE C.V.                        | Irapuato, Guanajuato       | 6170          | COMPOSITE       | (.060) (b)(A)     | 175 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                 | 5301          | COMP+CAN        | (.030) (b)(A)     | 100 U                         | A                     |
| 10mm Tianjin CSG Energy Conservation Glass Co., Ltd         | Tianjin, China             | 4106          | COMP+CAN        | (.045) (b)(A)     | 100 U                         | A                     |
| 10-12mm 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)    | 500 U                         | A                     |
| 10-16+mm Trulite Glass and Aluminum Solutions               | Grenada, MS                | 4744          | COMPOSITE       | (.030) (b)(A)     | 500 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              | City of Industry, CA       | 6011          | COMPOSITE       | (.060) (ip)(A)    | 250 U                         | A                     |
| 10-12mm U.S. Glass Distributors Inc.                        | Enfield, CT                | 6431          | COMP+CAN        | (.030) (b)(A)     | 400 U                         | A                     |
| 10-16+mm United Plate Glass Co., Inc.                       | Butler, PA                 | 6251          | COMP+CAN        | (.035) (ip)(A)    | 800 U                         | A                     |
| 10mm Vetreria F. Illi Paci                                  | Seregno MB Italy           | 6509          | COMPOSITE       | (.030) (ev)(A)    | 285 U                         | A                     |
| 10mm VistaGlass Direct                                      | Coral Springs, FL          | 6082          | COMPOSITE       | (.030) (ev)(A)    | 285 U                         | A                     |
| 10-12mm Vitrum Glass Group                                  | Langley, BC                | 6387          | COMP+CAN        | (.060) (b)(A)     | 195 U                         | A                     |
| 10-12mm W.C.P., Inc dba West Coast Insulated Glass Products | Cerritos, CA               | 6092          | COMPOSITE       | (.030) (b)(A)     | 250 U                         | A                     |
| 10mm Wujiang Golden Glass Technologies, Ltd.                | Wujiang City,              | 5258          | COMPOSITE       | (.035) (ip)(A)    | 125 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>                      |                            |               |                 |                   |                               |                       |
| 12+mm AGNORA (Architectural Glass North America)            | Collingwood, ON Canada     | 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                     |
| 12mm AVIC Sanxin Co. Ltd.                                   | Shenzhen, Guangdong, China | 5765          | COMPOSITE       | (.060) (b)(A)     | 285 U                         | A                     |
| 12-16+mm Beijing Wuhua Tianbao Glass Co.                    | Beijing, China             | 5664          | COMPOSITE       | (.045) (b)(A)     | 125 U                         | A                     |
| 12-16+mm Carey Glass International                          | Nenagh, Co. Tipperary      | 6001          | COMP+CAN        | (.060) (b)(A)     | 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>(H) Laminated Transparent Glass</i>                 |                              |               |                 |                |                               |                       |
| 12mm Classy Glass Specialties Co., Ltd                 | Dongguan, Guangdong          | 5169          | COMPOSITE       | (.030) (b)(A)  | 200 U                         | A                     |
| 12mm Comercial Dialum S.A.                             | Santiago, Chile              | 5938          | COMPOSITE       | (.035) (ip)(A) | 285 U                         | A                     |
| 12-16+mm Cristec Vipla SL                              | Balaguer, Lleida             | 5699          | COMPOSITE       | (.015) (b)(A)  | 100 U                         | A                     |
| 12-16+mm Cristec Vipla SL                              | Balaguer, Lleida             | 5878          | COMPOSITE       | (.035) (ip)(A) | 100 U                         | A                     |
| 12mm Dlubak Corporation                                | Blairsville, PA              | 6234          | COMPOSITE       | (.060) (b)(A)  | 100 U                         | A                     |
| 12mm Dolphin Glass Specialists, LLC                    | Hialeah, FL                  | 4729          | COMPOSITE       | (.030) (b)(A)  | 285 U                         | A                     |
| 12-16+mm Glass & Mirror Craft                          | Wixom, MI                    | 4924          | COMP+CAN        | (.035) (ip)(A) | 150 U                         | A                     |
| 12mm Glasswerks GWLA                                   | South Gate, CA               | 5886          | COMPOSITE       | (.060) (b)(A)  | 250 U                         | A                     |
| 12mm Glasswerks GWLA                                   | South Gate, CA               | 6057          | COMPOSITE       | (.060) (ip)(A) | 250 U                         | A                     |
| 12mm Global Security Glazing                           | Selma, AL                    | 4770          | COMP+CAN        | (.060) (b)(A)  | 285 U                         | A                     |
| 12mm Kawneer - (Cranberry) an Arconic Company          | Cranberry Township, PA       | 2719          | COMPOSITE       | (.090) (b)(A)  | 100 U                         | A                     |
| 12mm Multiver Inc.                                     | Montreal, QC                 | 5915          | COMP+CAN        | (.030) (b)(A)  | 400 U                         | B                     |
| 12mm Nashville Tempered Glass LLC                      | Hendersonville, TN           | 5231          | COMP+CAN        | (.035) (ip)(A) | 285 U                         | A                     |
| 12mm Northwestern Inds, Inc.                           | Seattle, WA                  | 6438          | COMPOSITE       | (.060) (ip)(A) | 195 U                         | A                     |
| 12, 19+mm Oldcastle BuildingEnvelope®                  | Denver, CO                   | 6056          | COMP+CAN        | (.060) (ip)(A) | 125 U                         | A                     |
| 12mm Oldcastle BuildingEnvelope®                       | Houston, TX                  | 4401          | COMP+CAN        | (.090) (ip)(A) | 175 U                         | A                     |
| 12mm Oldcastle BuildingEnvelope®                       | Tampa, FL                    | 5051          | COMP+CAN        | (.035) (ip)(A) | 285 U                         | A                     |
| 12mm Sanshiba                                          | Takaoka, Toyama              | 6667          | COMPOSITE       | (.060) (ev)(A) | 250 U                         | A                     |
| 12mm Sanshiba                                          | Takaoka, Toyama              | 6551          | COMPOSITE       | (.060) (b)(A)  | 250 U                         | A                     |
| 12-16+mm Stargrup Cam A.S.                             | Arnavutkoy, Istanbul         | 6207          | COMPOSITE       | (.030) (b)(A)  | 285 U                         | A                     |
| 12-16+mm Stargrup Cam A.S.                             | Arnavutkoy, Istanbul         | 6208          | COMPOSITE       | (.060) (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         | 6019          | COMPOSITE       | (.030) (b)(A)  | 175 U                         | A                     |
| 12-16+mm TG Changjiang Glass Co., Ltd                  | Kunshan City, Jiangsu, China | 5176          | COMP+CAN        | (.015) (b)(A)  | 750 U                         | B                     |
| 12mm Tianjin CSG Energy Conservation Glass Co., Ltd    | Tianjin, China               | 4107          | COMP+CAN        | (.060) (b)(A)  | 100 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                     |
| 12mm Viracon Inc.                                      | Statesboro, GA               | 4784          | COMP+CAN        | (.090) (ip)(A) | 165 U                         | A                     |
| 12-16+mm Viracon Inc.                                  | Owatonna, MN                 | 4250          | COMP+CAN        | (.060) (ip)(A) | 150 U                         | A                     |
| 12mm Virginia Glass Products Corp.                     | Martinsville, VA             | 5194          | COMPOSITE       | (.060) (ip)(A) | 100 U                         | A                     |
| 12mm VistaGlass Direct                                 | Coral Springs, FL            | 6015          | COMPOSITE       | (.030) (ev)(A) | 285 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>                 |                              |               |                 |                |                               |                       |
| 16+mm Dongguan Dongfa Glass Product Co., Ltd           | Dongguan, Guangdong, China   | 4124          | COMP+CAN        | (.030) (b)(A)  | 285 U                         | A                     |
| 16+mm Guangdong Golden Glass Technologies              | Shantou, Guangdong, China    | 4723          | COMP+CAN        | (.060) (ip)(A) | 125 U                         | A                     |
| 16+mm Tianjin CSG Energy Conservation Glass Co., Ltd   | Tianjin, China               | 4108          | COMP+CAN        | (.090) (b)(A)  | 100 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               | 5663          | COMPOSITE       | (.030) (b)(A)  | 125 U                         | A                     |
| <i>(H) Laminated Transparent Glass</i>                 |                              |               |                 |                |                               |                       |
| 25+mm Classy Glass Specialties Co., Ltd                | Dongguan, Guangdong          | 5170          | COMPOSITE       | (.060) (b)(A)  | 200 U                         | A                     |

July 2017

***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>Laminated Specialty Product</u></b> |               |  |  |               |                 |                |                               |                       |
| <i>(H) Laminated Specialty Product</i>    |               |  |  |               |                 |                |                               |                       |
| 8-12mm SAGE Electrochromics Inc.          | Faribault, MN |  |  | 5016          | COMP+CAN        | (.035) (ip)(A) | 150 U                         | A                     |



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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>100 – Intertek/ATI</b><br>130 Derry Court<br>York, PA 17406<br>Attn: Todd Wilt or Thomas Mickley<br>Phone: (717) 764-7700<br>Fax: (717) 764-4129<br>Email(s): <a href="mailto:todd.wilt@intertek.com">todd.wilt@intertek.com</a><br><a href="mailto:tom.mickley@intertek.com">tom.mickley@intertek.com</a>                                                                                                                                           | <b>125 – Intertek/ATI</b><br>2524 East Jensen Ave.<br>Fresno, CA 93706<br>Attn: Kenny White<br>Phone: (559) 233-8705<br>Fax: (559) 233-8360<br>Email: <a href="mailto:kenny.white@intertek.com">kenny.white@intertek.com</a>                                                                                                                                               | <b>150 – Intertek/ATI</b><br>849 Western Ave. North<br>St. Paul, MN 55117-5345<br>Attn: Dan Johnson or Zane Wybest<br>Phone: (651) 636-3835<br>Fax: (651) 636-3843<br>Email(s): <a href="mailto:dan.johnson@intertek.com">dan.johnson@intertek.com</a><br><a href="mailto:zane.wybest@intertek.com">zane.wybest@intertek.com</a>                          |
| <b>165 – Intertek/ATI</b><br>1701 Westfork Dr. Suite 106<br>Lithia Springs, GA 30122<br>Attn: Ryan Hedgepeth, Julie Beamish,<br>Ian McKenzie<br>Phone: (770) 941-6916<br>Fax: (770) 941-2930<br>Email(s):<br><a href="mailto:ryan.hedgepeth@intertek.com">ryan.hedgepeth@intertek.com</a><br><a href="mailto:julie.beamish@intertek.com">julie.beamish@intertek.com</a><br><a href="mailto:ian.j.mckenzie@intertek.com">ian.j.mckenzie@intertek.com</a> | <b>175 – Intertek/ATI</b><br>1909 10 <sup>th</sup> St, Suite 100<br>Plano, TX 75074<br>Attn: Sierra Conner or Cassandra<br>Matthews<br>Phone: (469) 814-0687<br>Fax: (717) 764-4129<br>Email(s):<br><a href="mailto:sierra.conner@intertek.com">sierra.conner@intertek.com</a><br><a href="mailto:cassandra.matthews@intertek.com">cassandra.matthews@intertek.com</a>     | <b>195 – Intertek/ATI</b><br>22155 68th Ave. South<br>Kent, WA 98032-1937<br>Attn: Jeff Dideon or Patricia Cain<br>Phone: (253) 395-5656<br>Fax: (717) 764-4129<br>Email(s): <a href="mailto:jeff.dideon@intertek.com">jeff.dideon@intertek.com</a> ,<br><a href="mailto:patricia.cain@intertek.com">patricia.cain@intertek.com</a>                       |
| <b>200 - Bowser-Morner Inc.</b><br>4518 Taylorsville Road<br>Dayton, OH 45424<br>Attn: Vicki Appora<br>Phone: (937) 236-8805<br>Fax: (937) 237-9947<br>Email: <a href="mailto:vappora@bowser-morner.com">vappora@bowser-morner.com</a>                                                                                                                                                                                                                  | <b>250 - Construction Consulting</b><br>Laboratory West<br>4751 W. State St. Suite B<br>Ontario, CA 91762<br>Attn: Jack Jackson or Scott Shepard<br>Phone: (909) 591-1789<br>Fax: (909) 627-9020<br>Email(s): <a href="mailto:Jack@ccl-west.com">Jack@ccl-west.com</a><br><a href="mailto:scott@ccl-west.com">scott@ccl-west.com</a>                                       | <b>285- Fenestration Testing Laboratory</b><br>8148 N.W. 74th Ave.<br>Medley, FL 33166<br>Attn: Jose Sanchez<br>Phone: (305) 885-3328<br>Fax: (305) 885-3329<br>Email: <a href="mailto:jose@ftl-inc.com">jose@ftl-inc.com</a>                                                                                                                             |
| <b>400 - Intertek</b><br>75 Clinton Avenue<br>Cortland, NY 13045-0950<br>Attn: Josiah Rice or James Diescher<br>Phone: (607) 753-6711<br>Fax: (607) 758-6503<br>Email(s): <a href="mailto:josiah.rice@intertek.com">josiah.rice@intertek.com</a><br><a href="mailto:james.diescher@intertek.com">james.diescher@intertek.com</a>                                                                                                                        | <b>450 - Intertek</b><br>1829 32nd Avenue<br>Lachine, QC<br>Canada HBT 3J1<br>Attn: Claude Pelland<br>Phone: (514) 631-3100 x 277<br>Fax: (514) 631-1133<br>Email: <a href="mailto:claudio.pelland@intertek.com">claudio.pelland@intertek.com</a>                                                                                                                          | <b>500 - Element Materials Technology</b><br>3922 Delaware Avenue<br>Des Moines, IA 50313<br>Attn: Adam Scarlett or Brian Escherich<br>Phone: (515) 266-5101<br>Fax: (515) 262-1910<br>Email(s): <a href="mailto:adam.scarlett@element.com">adam.scarlett@element.com</a><br><a href="mailto:brian.escherich@element.com">brian.escherich@element.com</a> |
| <b>600 - Element Materials Technology</b><br>115 S. 84th Ave.<br>Wausau, WI 54401-8434<br>Attn: Gary Norenberg<br>Phone: (715) 848-3935<br>Fax: (715) 848-0837<br>Email: <a href="mailto:Gary.norenberg@element.com">Gary.norenberg@element.com</a>                                                                                                                                                                                                     | <b>750 - NCTL Northwest</b><br>3310 Hill Avenue<br>Everett, WA 98201<br>Attn: Chris Shafer or Tasha Fisher<br>Phone: (425) 259-6799<br>Fax: (425) 259-4936<br>Email(s): <a href="mailto:cshafer@nctlinc.com">cshafer@nctlinc.com</a><br><a href="mailto:tfisher@nctlinc.com">tfisher@nctlinc.com</a>                                                                       | <b>800 - NCTL</b><br>5 Leigh Dr.<br>York, PA 17406<br>Attn: Amy Becker<br>Phone: (717) 846-1200<br>Fax: (717) 767-4100<br>Email: <a href="mailto:abecker@nctlinc.com">abecker@nctlinc.com</a>                                                                                                                                                             |
| <b>850 – PRI Construction Materials Technologies</b><br>6412 Badger Drive,<br>Tampa, FL 33610<br>Attn: Tim Efaw or Brad Grzybowski<br>Phone: (813) 621-5777<br>Fax: (813) 621-5840<br>Email: <a href="mailto:tefaw@pricmt.com">tefaw@pricmt.com</a><br><a href="mailto:bgrzybowski@pricmt.com">bgrzybowski@pricmt.com</a>                                                                                                                               | 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. <b>Please note:</b> For initial certification of prototype samples, the manufacturer pays the laboratory directly for testing and must contact the laboratory for prototype testing fees. <i>Revised 4/19/2017</i> |                                                                                                                                                                                                                                                                                                                                                           |