



safety glazing certification council

**January 1, 2000**

**certified products directory**  
safety glazing material used in buildings  
visit our website @ [sgcc.org](http://sgcc.org)

January 1, 2000

## **~ Safety Glazing Certification Council ~ Certified Products Directory (CPD)**

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

"American National Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test: ANSI Z97.1-1984"

Copies of ANSI Z97.1-1984 may be obtained by calling (212) 642-4900 or by writing:

American National Standards Institute  
11 W 42nd St #13th Fl  
New York NY 10036-8002

~ ~ ~

"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 or by writing:

Superintendent of Documents  
PO Box 371954  
Pittsburg, PA 15250-7954

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Additional copies of this publication may be obtained by contacting the SGCC® office.  
PO Box 9

Henderson Harbor, NY 13651  
Phone: (315)938-7444 ; Fax (315)938-7453

Visit our website @ [sgcc.org](http://sgcc.org)

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

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**~ MEETINGS OF THE CERTIFICATION COMMITTEE ~**

The Certification Committee of the Safety Glazing Certification Council meets twice annually. Minutes of these meetings may be obtained by writing to the Administrative Manager of the Safety Glazing Certification Council (SGCC®).

~ ~ ~

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®.

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 9 Henderson Harbor, NY 13651 Telephone: 315-938-7444 Fax: 315-938-7453 E-mail: jgkent@gisco.net Web Page: sgcc.org
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First Vice President  
Secretary  
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Carl Carmen  
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*SGCC Certification Committee*

Licensee	Primary Member	First Alternate	Second Alternate
ACI Distribution	Mike Grossman	Rick Dashley	
AFG Inds. Inc.-TN	Mark Cody	Thomas Mewbourne	
AFGD, Div. of AFG Inds. Ltd.	Mark Cody	Thomas Mewbourne	
All Team Glass & Mirror Ltd.	Lee Timoll	Joseph Montiano	
American Flat Glass Dist.	Mark Cody	Thomas Mewbourne	
American Glassmith/Sumiglass			
Architectural Safety Glass	George Sutorka		
Ardco Inc.	William Pupp		
Berkowitz, J.E.	Jim Stinsman		
Bronco Industries Inc.			
Cardinal IG	Robert Spindler	Oak Moser	
Cheil Glass Industrial Co., Inc.			
Coastal Glass Distributors			
Colonial Mirror & Glass Corp.	A. Alex Weiner	George Weiner	
Commercial Insulating Glass Co.	Jeff Winsler		
Consolidated Glass Corp.	Carl Carmen	Louis Merryman	
Contour Industries Inc.	Scott Stidham	Lee Mulkey	
Coolidge Glass, Inc.			
Coraglass Inc.	Patrick Conner		
Craftsman Tempered Glass; Div. of Glass Wholesa			
D & S Insulated Glass			
D & W, Incorporated			
Dong Sung Glass Co., Ltd.			
Edge Seal Technologies	Mark Hutchinson		
Efco Corp.			
Espejos Nacionales S.A. de C.V.			
Flex-O-Glass Inc.	Harold G. Warp	Alfred R. Hunsicker	
Floral Glass & Mirror	Charles Kaplanek	Paul Bieber	
Four Seasons Solar Products	Brian Fabian	Mark Nahvi	George Andra
Gemtron-Sweetwater	Robert A. Moss	Jack Francis	Freida Watson
GGI Glass Distributors Corp.	Bud Hudgins	David S. Balik	
Glass, Inc.	Mickey Wilkinson		
Globe-Amerada Glass Co. (Assurance)	Cheri Kellman	Walt Myers	
Guardian Fabrication Inc.	John G. Jablonski	Mark J. Steffanina	Henry A. Gorry
Guardian Inds. Canada Corp.	John G. Jablonski	Mark J. Steffanina	Henry A. Gorry
Guardian Inds. Corp.	John G. Jablonski	Mark J. Steffanina	Henry A. Gorry
Hoffer's Inc.	Tom Bartz	Tom Beese	Kevin Schulz
Interpane Glass Company	John Neunlist	Tony Lee	Jimmy Williams
Jarrett, Inc.			
Laminated Glass Corp.	Mike Lerner		
Marvin Windows	James Krahn	Doug Steinbring	
Mid Ohio Tempering			
Milgard Tempering Inc.	W. F. Hart	Tom Sugano	
Mirror Factory	Marian Carlson	Tom Carlson	Lance Smith
Nashville Tempered Glass Corp.			
New Anthony, Inc.			
Patio Enclosures Inc.			
Perilstein Distribution Corp.			
PPG Inds. Inc.	Charles Richeson	Mike Bitterice	Bob Fiedor
Prelco Inc.			
Republic Windows & Doors Inc.			

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*SGCC Certification Committee*

Licensee	Primary Member	First Alternate	Second Alternate
S & S Glass Specialties Inc.			
Shaw Glass Co.	Frederic P. Shaw	Troy Johnson	Bill Connell
Shin IL Safety Glass Co., Ltd.			
Sovis North America, Inc.			
Specialty Building Products			
Sterling Plumbing Group	Fred Bruce		
Summit Window & Patio Door	Lee Dunlop	Steve Jones	
Sunbelt Glass Inc.	Mike Kelley		
Swift Glass Co., Inc.	Daniel J. Burke	Anthony Speciale	Wayne Brown
Tecnoglass			
Tempered Glass Inc.	Douglas Sampsel	Joel Wrenn	
Tempglass	Richard Wright	John Colapietro	
Traco (Three Rivers Alum)	Robert P. Randall	William Deuschle	John Kalakos
US Precision Glass	Perry Gregorcy	Daniel Hill	Michael Carnes
Vidrio Plano de Mexico SA de CV			
Vidrio Saint Gobain de Mexico			
Viracon Inc.	Lyle Krohnberg	Mike Diedrich	Roger Skluzacek
Virginia Glass Products Corp.	Robert L. Brown	Benjamin D. Beeler	
Vitrierie April Inc.			
Westshore Glass	Bill Bellis	Todd Elozory	Tucker Kruse

**Certification Committee Chairman - Mark Cody**

**Member by virtue of being a director**

Public Interest	Mario Cellarosi
Public Interest	George L. Graf, Jr.
Public Interest	Richard A. Behr
Glasstech, Inc.	Norman Nitschke
Wiss, Janney, Elstner Assoc.	Bill Nugent

**Member from those without certified products**

Dupont Company	John W. Turnbull
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**~ 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.

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

American National Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test: ANSI Z97.1-1984

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

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 and register 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, the public interest directors are empowered to veto any action of the board regardless of the number of directors present at a meeting.

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

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

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

Once certified by SGCC®, a product is assigned an exclusive certification number to identify it and the plant at which it is made. After which, to insure continued adherence to the specification(s), SGCC® independently selects, at least twice in each year, samples during unannounced 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 four 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 non-manufacturing Licensee's and their approved products; the fourth is by product type listing all Licensees and locations approved for each product type. There is also an alphabetical listing, by manufacturers, illustrating a label typical of the Licensee. 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.

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~ PROCEDURAL GUIDE ~

## **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.

Both ANSI Z97.1-1984 and 16 CFR 1201 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 insure 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's assurance his safety glazing material has been produced in conformance to ANSI Z97.1-1984 and/or 16 CFR 1201.

Federal law, many state statutes, municipal ordinances and building codes require glazing materials, installed in certain defined locations, comply with ANSI Z97.1-1984 and/or 16 CFR 1201.

### **WHO CAN BECOME A LICENSEE?**

Any manufacturer of safety glazing materials or any party contracting for the manufacture of safety glazing materials is eligible, on a voluntary basis, to become a Licensee.

### **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 Z97.1-1984 and/or 16 CFR 1201.

## **ADMINISTRATION**

Administrative Management Systems, Inc. (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) The applicant signs two copies of the SGCC® License Agreement (including notarization of the Affidavit, Appendix A) and sends these 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.

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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/or 16 CFR 1201.

c) The applicant sends to SGCC® the six-month certification fee for each item to be certified. This fee must be submitted within 6 months of completion of item b). Failure to do so will result in the need to resubmit item b). (Revised 10/22/93)

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.

## **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 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.

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**

Approved products are listed in a Certified Products Directory. 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, product description and examples of a label typical of that permanently affixed by a licensee to each piece 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 unannounced visits to the manufacturing plant or from the market place.

## **COMPLIANCE SAFEGUARDS**

### **HOW IS COMPLIANCE ASSURED**

Any certified product determined, in the course of routine sampling and evaluation, not in compliance with the applicable specification(s), is subject to the removal of certification. The licensee is given 30-days in which to demonstrate, to the satisfaction of the Administrator, compliance and, if not, certification is automatically withdrawn at the end of the 30-day period.

## **CHALLENGING A CERTIFIED PRODUCT**

Complaints of non-compliance, from any source, will be investigated promptly by SGCC® upon receipt of a written complaint and surety deposit. A minimum surety deposit of \$1,000 will be required for each complaint of

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non-compliance. The surety deposit will be assessed at the rate of \$350 per man-day plus the reasonable cost of travel and the maintenance entailed in resolving such incidents. Refunds of part or all of the surety deposit will be made when applicable. All costs involved will be paid from the complainant's surety deposit, unless the investigation proves non-compliance, in which case all costs will be borne by the licensee found to be in non-compliance.

#### **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 ACCT 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

No testing is necessary during the initial 6-month period if prototype testing took place within 30 days of initial certification. Normal inspection may take place during this initial period, however.

Initial certification during the first 3 months of the initial 6 month period will require a selection in the first 3 months of the following 6 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.

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Upon its proper execution and acceptance by SGCC®, the pre-issued certification number bond 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 and mails 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;"

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- b) determines, where a question is raised by a licensee or the Administrator, the applicability of the specification(s) in specific situations.
- c) approves testing laboratories;
- d) determines which specifications are to be designated effective for the purposes of product certification and the date or dates on which they become effective;
- 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 Z97.1-1984 and/or 16 CFR 1201 will be accepted from any testing laboratory approved by the SGCC® Certification Committee.

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

Paragraph (1) Section 5.1.3 of ANSI Z97.1-1984 is intended to apply to laminated, wired and organic coated glass only. Paragraph (2) is intended to apply to tempered glass only. Paragraph (3) is intended to apply to plastics only. Paragraph (4) is intended to apply to any safety glazing material.

##### **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, c, and e of G.11 shall be followed. (Revised 3/16/90)
- b) The laboratory shall verify that the label has the correct SGCC® number, designation of the applicable specification(s) and CPSC categories, nominal thickness, and certified size designation (U or L).
- 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. 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

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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.

(ANSI ONLY)

- e) As of July 1, 1985 the SGCC® permanent label must contain ANSI Z97.1-1984 in order to be considered a correct permanent label for purposes of Guideline G.6.

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 (aging tests) of ANSI Z97.1-1984 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 (ANSI ONLY)

After initial compliance with a sample size as stated in Paragraph 4.3, testing of other sizes which represent the sizes manufactured may be allowed, provided however that all sizes produced up to the size provided by Paragraph 4.3, ANSI Z97.1-1984 are exposed to selection for testing.

G.8 (CPSC ONLY)

After initial compliance with a sample size as stated in Table 1, testing of other sizes which represent the sizes manufactured may be allowed, provided however that all sizes produced up to the size provided in the standard 16 CFR 1201 are exposed to selection for testing.

G.9

Specimen sizes up to 34 inches by 76 inches shall be valid samples when independently obtained by the administrator for purposes of routine evaluation.

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 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 the said specimens to comply with the specifications and the administrator shall act as provided for in license agreement A.6.

G.11

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 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) Within 3 months the administrator shall obtain an additional random sample for evaluation (in addition to the routine evaluation sample obtained twice a year). The administrator shall be certain that this additional sample is of recent production.
- c) At the option of the administrator, specimens submitted under a) above shall be either prototype size and pattern or identical to those previously sampled and of recent production.

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- d) Certification shall be removed if the additional random sample obtained in b) above fails to comply with the specifications.
- e) All costs related to G.11 are to be borne by the licensee.
- f) 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 5/6/99)

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 10/20/89)

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

The invoice procedures will be as follows:

- a) Semi-Annual SGCC® invoices will be mailed 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 insure 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

In the situation where a licensee desires to re-certify a product that previously had certification removed because of failure to comply with the specifications (label and thickness tolerances excepted), the product shall be routinely sampled four times during the first year. The licensee shall pay the costs involved.

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 two decimal places and will have the suffix "mm."

G.17

When testing to ANSI only or CPSC 16CFR only, four samples shall be required for impact testing. For all specimens that are not symmetrical from surface to surface, an equal number of specimens shall be impacted on each side. (Revised 10/28/99)

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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 such 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®.

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 10/20/89)

G.20

For certification purposes, a panel of glazing material composed of multiple components (such as leaded glass) may be tested and interpreted as a unit.

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 bond form in the amount of \$10,000. The pre-issued SGCC® certification number, if not used by the licensee, will be terminated twelve months from the date of issue. The condition of the bond is such that if the licensee does not label any safety glazing material with the pre-issued certification number prior to formal certification then the bond shall be void.

G.22

In the case of wired glass (ANSI ONLY), 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 Z97.1-1984 and/or 16 CFR 1201 for each alternate pattern proposed.
- c) The certification committee is provided with a 6 by 6-inch sample of each proposed alternate for its record and file. This must be sent to the administrator of the certification program.

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

In the case where a routine evaluation sample, covered under a blanket certification, fails to comply with the specifications, the situation requires that the particular product be submitted for the retest sample required by Guideline G.11a and also that particular product be sampled by the administrator for the additional sample required by Guideline G.11b.

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. This shall be done as follows:

- a) Prior to or within 2 weeks after the shutdown, the licensee shall inform the SGCC® administrator by certified mail.
- b) The SGCC® administrator will immediately supply the licensee with test release bond forms for submission by the licensee. A separate bond shall be submitted for each certified product affected.

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- c) Within 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 terminate 90 days after acceptance by SGCC® but may be renewed by the licensee any number of times. Renewal is an obligation of the licensee and requires all steps listed herein.
- e) Within one week after re-activation of the production facility the licensee shall 1) notify the SGCC® administrator by certified mail 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 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 (ANSI ONLY)

When a licensee specifically and voluntarily desires to use a SGCC® permanent label on their product that denotes compliance with ANSI Z97.1-1966, ANSI Z97.1-1972, ANSI Z97.1-1975, and ANSI Z97.1-1984 or combination thereof, that they notify SGCC® in writing of the certified item that they desire to so mark. SGCC® will, at the request of the licensee, conduct compliance tests to ANSI Z97.1-1956, ANSI Z97.1-1972, ANSI Z97.1-1975 and ANSI Z97.1-1984 or combination thereof. A single set of four test specimens will be impacted to determine impact test requirements of all standards. Upon successful completion of compliance tests the safety glazing materials are permanently labeled and listed in the SGCC® certified products directory as having met the requirements of 1966, 1972, 1975 and 1984 versions or combination thereof the ANSI Z97.1 standard. The licensee shall pay any costs involved.

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 CPSC, ANSI, or both (Composite). The licensee will be issued only one SGCC number for Composite certification for each product. The licensee will submit four samples to be impact tested to ANSI Z97.1 and one specimen to be impact tested to 16 CFR 1201 (for all specimens that are not symmetrical from surface to surface a total of six impact test specimens must be submitted, four being tested to ANSI and two being tested to CPSC 16CFR 1201, with an equal number of specimens being impacted on each side). If any one specimen of a Composite sample fails, the entire Composite sample will be considered to have failed to comply with both standards. (Revised 10/28/99)

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, c, and e of G.11 shall be followed.

G. 29

For the purposes of certification, the thickness requirements of Specification ASTM C1036 shall apply.

G. 30

For certification purposes, the minimum thickness shall be 0.092 and the maximum thickness shall be 0.108 inches for 0.100 inch glass.

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G.31

For certification purposes, the nominal thickness of single strength patterned glass shall be 0.094 inches and thickness tolerances shall be plus 0.047 inches and minus 0.015 inches.

G.32 (CPSC ONLY)

When testing to category II requirements, the administrator shall select specimens greater than 9 square feet in surface area.

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 owner's.

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

**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.) 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 10/22/93)

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 04/02/92)

T.4

In cases where certified glass is normally not available for sampling, the licensee may make an overrun (of four lites 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.

T.5

Certification of any nominal thickness of tempered safety plate, float or sheet glass will also cover the other two types. ANSI Z97.1-1984 and 16 CFR 1201 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.

T.6

Prototype test shall be conducted on bent specimens sampled from normal production run. The specimen size

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shall have a surface area of at least 50 percent of the maximum size for which certification is desired. Routine tests will be performed on bent specimens. The test apparatus shall be modified to clamp the vertical straight edges and to support the concave side of the curved edges. Impact shall be on the convex surface.

## **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. The permanent label must contain this fraction on a metric or decimal dimension within the tolerance of this thickness as published in ASTM C1036. 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 10/22/93)

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

<u>Patterned Depth Class</u>	<u>Ratio</u>
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.

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 specimen must be weighed and the weight of ten square inches determined from the weight, width and height of that specimen to use for test purposes.

### **TP.4**

For certification purposes, the nominal thickness of 210 tempered patterned glass shall be 0.210 inches and thickness tolerances shall be plus 0.031 inches and minus 0.016 inches.

### **TP.5**

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

### **TP.6**

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

## **LAMINATED GLASS**

### **L.1**

Certification of regular laminated glass will also cover tinted, heat absorbing and coated glasses, and clear or tinted interlayer, both flat and bent of the same nominal thickness. 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 10/22/93)

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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

Certification of 7/32 inch laminated glass also covers SS/DS and vice versa.

L.4

When a laminated glass is certified, other laminated glasses having the same thickness or thicknesses of glass and a greater thickness of plastic interlayer will be considered to be of equal nominal thickness and will be included in the certification.

L.5

Laminated safety glass need not be identified by type of base glass.

L.6

Thickness of the plastic interlayer shall be measured by the SGCC® standard method.

L.7

For certification purposes the following thickness tolerances shall be used. Thickness tolerance shall apply only to the overall thickness. The plus tolerance shall be the sum of all the individual plus tolerances of each layer of the laminate. The minus tolerance shall be the sum of all of the individual minus tolerances of each layer of the laminate.

The tolerance of the plastic sheet interlayer shall be based on the nominal thickness of the interlayer with a plus tolerance of 0.002 and a minus tolerance of 0.004 inches.

The tolerance of resin cast interlayers shall be based on the nominal thickness of the interlayer with a plus tolerance of 0.015 and a minus tolerance of 0.005 inches. (Revised 3/16/90)

L.8

When a laminated annealed glass is certified, other laminated glasses having the same thickness or thickness' of heat strengthened or tempered glass and the same or greater thickness of plastic interlayer of the same chemical composition will be considered to be included in the certification.

L.9

When laminated glass is not available for routine sampling, the licensee submitted specimens must contain the identical thickness plastic interlayer that was contained in the prototype specimens.

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

W.1

Certification of one polished wired glass may be applied to other polished wired glasses provided:

- a) The glass thickness of the candidate glass is nominally equal to the thickness of the glass that is certified.
- b) The wire diameter of the candidate glass is at least as great as the wire diameter in the glass that is certified.
- c) The spacing of the wires in the candidate glass is no greater than the spacing of the wires in the glass that is certified.
- d) SGCC® has been presented with a test report indicating compliance of the candidate glass with the impact test requirements of ANSI Z97.1-1984

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After admission under the blanket certification covering wired glasses, all wired glasses so certified, must be exposed to random sampling at each examination although only one will probably be selected for testing.

**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 5%.

Outdoor use plastic materials extruded polycarbonate: As specified in Military Specification MILP-46144, latest issue.

Indoor use plastic materials plus or minus 5% 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 Z97.1-1984 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 re-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.

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## **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 Z97.1-1984 (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**

Certification of one leaded patterned glass (annealed) may be extended to cover other patterns (on the glass surface) 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 Z97.1-1984 for each alternate pattern proposed.
- c) The certification committee is provided with a 6 by 6 inch sample of each proposed alternate for its record and file. This must be sent to the administrator of the certification program.
- d) After admission under blanket certification covering leaded patterned glass (annealed), any such patterns available may be selected by the administrator for routine sampling.

### **LG. 2**

Certification of one diamond shaped leaded patterned glass (annealed) may be extended to cover other sizes of diamonds provided:

- a) All aspects of the product except diamond size 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 Z97.1-1984 for each alternate size diamond proposed.
- c) The certification committee is provided with a 6 by 6 inch or a proper and representative sample of each proposed alternate for its record and file. This must be sent to the administrator of the certification program.  
After admission under blanket certification, any such size diamond available may be selected by the administrator for routine testing.

### **LG. 3**

For leaded diamond patterned glass (annealed) the tolerance for diagonal caming center dimensions shall be plus or minus 12 percent.

Prototype samples must have diagonal caming center dimensions 10 percent greater than nominal. Diamond size listed in the Certified Products Directory shall be nominal dimensions.

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## **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 10/22/93). 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.

### **(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.

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~ SGCC® LABEL REQUIREMENTS ~

**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.

The permanent labels illustrated elsewhere in this Certified Products Directory are examples of some of those found on safety glazing materials certified by SGCC®.

The permanent label must contain the correct SGCC® number, ANSI Z97.1-1984 and/or 16 CFR 1201 (and category), the nominal thickness, and the letter U or L, indicating certified size.

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 purposes of Guideline G.6 "SGCC-xxx/yyy" shall be the only correct designation other than "SGCC-xxx" and "SGCC-yyy" when an identical item is in both the ANSI and CPSC programs per the following examples:

EXAMPLES:

ANSI Z97.1-1984  
16 CFR 1201 II  
SGCC®-123/691 U

ANSI Z97.1-1984 SGCC - 123 U  
16 CFR 1201 II SGCC-691

The permanent label must be affixed to certified products ONLY at the time and place of manufacture.

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, like products and materials produced in the same manner as samples submitted per test shall be legibly and permanently marked in one corner with the characters 'ANSI Z97.1-1984 - INDOOR USE ONLY' and shall be marked also with the manufacturer's distinctive mark or designation." Quoted from ANSI Z97.1-1984

"Organic-coated glass materials shall be permanently marked on the organic coating with a label, including the phrase, '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 Z97.1-1984

**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 1/8" inch 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.

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## **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.

Per 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.

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**CLASSIFIED TEMPERED GLASS PATTERNS**

**1/8 inch shallow**

(01) P-516	(02) Luxlite	(03) Factorlite	(09) Spraylite	(32) Muralex
(34) Velvex	(36) Ribbed	(37) Aquatex	(38) Finetex	(39) Industrex
(82) Pattern 62	(83) Pointex	(86) Showerlite	(87) Heliolite	(117) Solatex
(120) Sunadex	(147) Solatex I	(150) Solatex II	(168) Pattern 50	(170) Crepe

**1/8 inch medium**

(04) Rattan	(05) Cotswold	(06) Patchwork	(07) Burlap	(08) Smooth Rough
(11) Flemish	(31) Skytex	(33) Seashell	(35) Flax	(52) Pattern 73
(56) Syenite	(57) Pattern 299	(154) Rain	(160) Model 10	(162) Model 11
(164) Model 12	(165) Spotswood	(167) Leaf		

**1/8 inch deep**

(10) Autumn

**5/32 inch shallow**

(59) Luxlite	(60) Factorlite	(64) Spraylite	(70) Mulalex	(72) Velvex
(74) Ribbed	(75) Aquatex	(76) Finetex	(81) Pattern 6	(88) Pattern 100
(118) Solatex	(121) Sunadex	(123) P-516	(124) Heliolite	(126) Pattern 62
(127) Mistron Ace	(128) Showerlite	(148) Solatex I	(151) Solatex II	(153) Flax
(156) Clar 104	(157) Model 10	(158) Pontilhado	(161) Model 11	(162) Model 12

**5/32 inch medium**

(61) Cotswold	(62) Burlap	(63) Smooth Rough	(66) Flemish	(69) Skytex
(71) Seashell	(73) Flax	(77) Pattern 73	(78) Syenite	(79) Pattern 229
(80) Pattern 76	(130) Cathedral	(146) Pattern 28	(155) Rain	

**5/32 inch deep**

(65) Autumn	(67) Oceanic	(68) Roundel	(173) Fluted
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**3/16 inch shallow**

(50) Pattern 62	(51) P-516	(54) Showerlite	(116) Heliolite	(119) Solatex
(122) Sunadex	(125) Spraylite	(131) Industrex	(132) Velvex	(133) Aquatex
(134) Pattern 100	(135) Pattern 6	(136) Burlap	(137) Factrolite	(138) Satinlite
(139) Pluralite	(140) Flax	(141) Skytex	(142) Chinchilla	(149) Solatex I
(152) Solatex II	(159) Model 10	(171) Crepe	(172) Pebble	

**3/16 inch medium**

(58) Pattern 76	(143) Seashell	(144) Syenite	(145) Flemish	(176) Rain
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**3/16 inch deep**

(12) Oceanic	(13) Roundel	(14) Lozenge	(174) Krystal Flutes
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**210 inch shallow**

(89) Velvex	(90) Muralex	(91) Industrex	(92) Aquatex	(93) Pattern 100
(94) Pattern 6	(95) Pattern 62	(96) Spraylite	(97) Burlap	(98) Factrolite
(99) Satinlite	(100) Luxlite	(101) J-3	(102) P-516	(103) Smooth Rough
(105) Cascade	(106) Pluralite	(108) Flax	(110) Skytex	(115) Chinchilla
(166) Sportswood				

**7/32 inch shallow**

(14) Velvex	(15) Muralex	(16) Industrex	(17) Aquatex	(18) Pattern 100
(19) Pattern 6	(20) Pattern 62	(21) Spraylite	(22) Burlap	(23) Factrolite
(24) Satinlite	(25) Luxlite	(26) J-3	(27) P-516	(28) Smooth Rough
(30) Cascade	(42) Pluralite	(44) Flax	(46) Skytex	(5) Textured Plate
(84) Chinchilla	(129) Orange Peel			

**7/32 inch medium**

(42) Seashell	(45) Beadex	(47) Syenite	(48) Flemish	(49) Textured Linex
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**7/32 inch deep**

(29) Lizenge	(53) Boardlite
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**1/4 inch shallow**

(169) P-516

**1/4 inch medium**

(175) Fluted

Note: Numbers in parenthesis  
represent internal coding.

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*Certified Products-Numerical Sequence*

<i>SGCC No.</i>		<i>SGCC No.</i>		<i>SGCC No.</i>	
12	Virginia Glass Products Corp.	933	Guardian Inds. Corp.	1304	Guardian Inds. Corp.
14	Virginia Glass Products Corp.	934	Guardian Inds. Corp.	1308	Traco (Three Rivers Alum)
24	AFG Inds. Inc.-TN	935	Downey Glass	1310	Traco (Three Rivers Alum)
28	AFG Inds. Inc.-TN	949	AFG Inds. Inc.-TN	1311	Traco (Three Rivers Alum)
40	Guardian Inds. Corp.	955	AFG Inds. Inc.-TN	1316	Guardian Inds. Corp.
64	PPG Inds. Inc.	968	Guardian Inds. Corp.	1318	Guardian Inds. Corp.
89	AFG Inds. Inc.-TN	969	Guardian Inds. Corp.	1332	Gemtron-Sweetwater
90	AFG Inds. Inc.-TN	970	Guardian Inds. Corp.	1334	Gemtron-Sweetwater
93	Virginia Glass Products Corp.	971	Guardian Inds. Corp.	1355	Guardian Fabrication Inc.
94	Virginia Glass Products Corp.	999	New Anthony, Inc.	1356	Guardian Fabrication Inc.
95	Virginia Glass Products Corp.	1000	New Anthony, Inc.	1357	Guardian Fabrication Inc.
118	Flex-O-Glass Inc.	1035	Shaw Glass Co.	1358	Guardian Fabrication Inc.
131	Guardian Inds. Corp.	1036	Shaw Glass Co.	1359	Guardian Fabrication Inc.
185	US Precision Glass	1037	Shaw Glass Co.	1369	US Precision Glass
186	US Precision Glass	1039	Tempglass	1370	US Precision Glass
188	US Precision Glass	1041	Ardco Inc.	1371	US Precision Glass
220	AFG Inds. Inc.-TN	1042	Ardco Inc.	1372	US Precision Glass
249	PPG Inds. Inc.	1050	US Precision Glass	1382	North American Glass
250	PPG Inds. Inc.	1073	Interpane Glass Company	1383	North American Glass
295	PPG Inds. Inc.	1074	Interpane Glass Company	1384	North American Glass
300	Guardian Fabrication Inc.	1075	Interpane Glass Company	1390	AFG Inds. Inc.-TN
328	US Precision Glass	1076	Interpane Glass Company	1403	Viracon Inc.
382	PPG Inds. Inc.	1077	Interpane Glass Company	1404	Viracon Inc.
400	ACI Distribution	1107	ACI Distribution	1405	American Flat Glass Dist.
402	ACI Distribution	1108	ACI Distribution	1406	American Flat Glass Dist.
471	Guardian Fabrication Inc.	1110	PPG Inds. Inc.	1414	AFG Inds. Inc.-TN
514	Downey Glass	1111	PPG Inds. Inc.	1416	Nashville Tempered Glass Corp
515	Downey Glass	1112	PPG Inds. Inc.	1417	Nashville Tempered Glass Corp
516	Downey Glass	1113	PPG Inds. Inc.	1420	Tempglass
520	New Anthony, Inc.	1139	AFG Inds. Inc.-TN	1422	Gemtron-Sweetwater
587	AFG Inds. Inc.-TN	1157	ACI Distribution	1424	Gemtron-Sweetwater
592	Tempglass	1161	Guardian Inds. Corp.	1428	American Flat Glass Dist.
594	Tempglass	1179	ACI Distribution	1436	AFG Inds. Inc.-WV
595	Tempglass	1201	Gemtron-Sweetwater	1452	US Precision Glass
598	AFG Inds. Inc.-TN	1216	Guardian Fabrication Inc.	1453	Sunbelt Glass Inc.
630	Downey Glass	1225	ACI Distribution	1454	Sunbelt Glass Inc.
631	Guardian Inds. Corp.	1230	American Flat Glass Dist.	1455	Sunbelt Glass Inc.
633	Guardian Inds. Corp.	1231	American Flat Glass Dist.	1456	Sunbelt Glass Inc.
640	ACI Distribution	1232	American Flat Glass Dist.	1457	Sunbelt Glass Inc.
654	US Precision Glass	1235	Guardian Fabrication Inc.	1462	Guardian Inds. Corp.
662	Guardian Fabrication Inc.	1248	Guardian Inds. Corp.	1463	Guardian Inds. Corp.
675	PPG Inds. Inc.	1249	Guardian Inds. Corp.	1464	Guardian Inds. Corp.
676	PPG Inds. Inc.	1250	Guardian Inds. Corp.	1467	Nashville Tempered Glass Corp.
678	Downey Glass	1251	Guardian Inds. Corp.	1477	Gemtron-Sweetwater
862	Tempered Glass Inc.	1253	Guardian Inds. Corp.	1485	AFGD, Div. of AFG Inds. Ltd.
863	Tempered Glass Inc.	1282	Guardian Inds. Corp.	1486	AFGD, Div. of AFG Inds. Ltd.
865	Tempered Glass Inc.	1301	Guardian Inds. Corp.	1489	AFGD, Div. of AFG Inds. Ltd.
866	Tempered Glass Inc.	1303	Guardian Inds. Corp.	1496	ACI Distribution
				1497	ACI Distribution

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*Certified Products-Numerical Sequence*

<i>SGCC No.</i>		<i>SGCC No.</i>		<i>SGCC No.</i>	
1498	ACI Distribution	1630	Guardian Inds. Corp.	1737	Guardian Inds. Corp.
1508	Viracon Inc.	1631	Guardian Inds. Corp.	1744	Tempglass
1509	Viracon Inc.	1632	Guardian Inds. Corp.	1745	Tempglass
1518	AFGD-MA	1633	Guardian Inds. Corp.	1746	Tempglass
1519	AFGD-MA	1634	Guardian Inds. Corp.	1747	Tempglass
1520	AFGD-MA	1635	Guardian Inds. Corp.	1754	All Team Glass & Mirror Ltd.
1521	AFGD-MA	1637	Viracon Inc.	1755	All Team Glass & Mirror Ltd.
1522	AFGD-MA	1641	AFG Inds. Inc.-CA	1756	All Team Glass & Mirror Ltd.
1523	AFGD-MA	1642	ACI Distribution	1757	All Team Glass & Mirror Ltd.
1535	ACI Distribution	1643	ACI Distribution	1758	All Team Glass & Mirror Ltd.
1536	North American Glass	1644	ACI Distribution	1784	Perilstein Distribution Corp.
1546	Floral Glass & Mirror	1645	ACI Distribution	1785	Perilstein Distribution Corp.
1547	Floral Glass & Mirror	1652	Laminated Glass Corp.	1786	Perilstein Distribution Corp.
1548	Floral Glass & Mirror	1653	D & S Insulated Glass	1787	Perilstein Distribution Corp.
1549	Floral Glass & Mirror	1654	D & S Insulated Glass	1788	Perilstein Distribution Corp.
1550	Floral Glass & Mirror	1655	D & S Insulated Glass	1789	Perilstein Distribution Corp.
1551	Floral Glass & Mirror	1656	D & S Insulated Glass	1790	Perilstein Distribution Corp.
1555	Swift Glass Co., Inc.	1657	D & S Insulated Glass	1791	Four Seasons Solar Products
1556	Swift Glass Co., Inc.	1658	D & S Insulated Glass	1794	AFG Inds. Inc.-WV
1557	Swift Glass Co., Inc.	1659	D & S Insulated Glass	1795	AFG Inds. Inc.-WV
1558	Swift Glass Co., Inc.	1660	D & S Insulated Glass	1796	Hoffer's Inc.
1559	Swift Glass Co., Inc.	1661	D & S Insulated Glass	1797	Hoffer's Inc.
1563	Ardco Inc.	1663	AFG Inds. Inc.-CA	1798	Hoffer's Inc.
1564	Ardco Inc.	1664	AFG Inds. Inc.-CA	1799	Summit Window & Patio Door
1565	Ardco Inc.	1665	Guardian Inds. Corp.	1800	Summit Window & Patio Door
1574	Guardian Fabrication Inc.	1668	Globe-Amerada Glass Co. (Assurance)	1801	Summit Window & Patio Door
1575	Guardian Fabrication Inc.	1676	Contour Industries Inc.	1803	Guardian Inds. Corp.
1576	Guardian Fabrication Inc.	1677	Contour Industries Inc.	1804	Cardinal TG
1577	Guardian Fabrication Inc.	1678	Contour Industries Inc.	1805	Cardinal TG
1578	Milgard Tempering Inc.	1680	Contour Industries Inc.	1806	Cardinal TG
1595	Hoffer's Inc.	1683	Guardian Inds. Corp.	1807	Cardinal TG
1596	Hoffer's Inc.	1689	Marvin Windows	1826	Guardian Inds. Corp.
1597	Hoffer's Inc.	1690	Marvin Windows	1827	Cardinal IG
1603	PPG Inds. Inc.	1691	Marvin Windows	1828	Cardinal IG
1604	PPG Inds. Inc.	1701	Marvin Windows	1829	Cardinal IG
1605	PPG Inds. Inc.	1702	AFG Inds. Inc.-KS	1830	Cardinal IG
1606	PPG Inds. Inc.	1703	AFG Inds. Inc.-KS	1831	Cardinal IG
1607	Guardian Fabrication Inc.	1704	AFG Inds. Inc.-KS	1832	Cardinal IG
1608	Downey Glass	1705	AFG Inds. Inc.-KS	1833	Cardinal IG
1609	Downey Glass	1708	American Flat Glass Dist.	1834	Cardinal IG
1611	Downey Glass	1709	American Flat Glass Dist.	1841	Cardinal IG
1616	Guardian Fabrication Inc.	1710	American Flat Glass Dist.	1842	Cardinal IG
1617	Sunbelt Glass Inc.	1711	American Flat Glass Dist.	1843	Cardinal IG
1618	Sunbelt Glass Inc.	1712	American Flat Glass Dist.	1844	Cardinal IG
1624	AFG Inds. Inc.-WV	1714	American Flat Glass Dist.	1845	Cardinal IG
1627	Guardian Inds. Corp.	1723	Marvin Windows	1846	Cardinal IG
1628	Guardian Inds. Corp.	1724	Marvin Windows	1847	Colonial Mirror & Glass Corp.
1629	Guardian Inds. Corp.	1728	ACI Distribution	1848	Colonial Mirror & Glass Corp.
				1854	US Precision Glass

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*Certified Products-Numerical Sequence*

<i>SGCC No.</i>		<i>SGCC No.</i>		<i>SGCC No.</i>	
1861	ACI Distribution	1960	American Flat Glass Dist.	2015	Prelco Inc.
1862	Hoffer's Inc.	1961	American Flat Glass Dist.	2016	American Flat Glass Dist.
1864	Sovis North America, Inc.	1962	Coraglass Inc.	2020	Guardian Inds. Corp.
1865	Guardian Inds. Corp.	1963	Coraglass Inc.	2021	Guardian Inds. Corp.
1866	Guardian Inds. Corp.	1964	Coraglass Inc.	2022	Guardian Inds. Corp.
1867	Guardian Inds. Corp.	1965	D & S Insulated Glass	2023	Guardian Inds. Corp.
1868	Guardian Inds. Corp.	1966	Guardian Inds. Canada Corp.	2027	D & W, Incorporated
1870	Sunbelt Glass Inc.	1967	American Flat Glass Dist.	2028	D & W, Incorporated
1871	Shaw Glass Co.	1970	Westshore Glass	2029	D & W, Incorporated
1872	AFGD, Div. of AFG Inds. Ltd.	1971	Westshore Glass	2030	D & W, Incorporated
1873	AFGD, Div. of AFG Inds. Ltd.	1972	Westshore Glass	2034	Prelco Inc.
1874	AFGD, Div. of AFG Inds. Ltd.	1973	Westshore Glass	2035	Prelco Inc.
1875	AFGD, Div. of AFG Inds. Ltd.	1974	Westshore Glass	2037	Prelco Inc.
1879	Laminated Glass Corp.	1978	Westshore Glass	2042	Interpane Glass Company
1880	Laminated Glass Corp.	1979	Sterling Plumbing Group	2043	Interpane Glass Company
1881	Laminated Glass Corp.	1980	Sterling Plumbing Group	2044	Interpane Glass Company
1882	Guardian Inds. Corp.	1981	Sterling Plumbing Group	2045	Interpane Glass Company
1885	Guardian Walled Lake Fab.	1982	Sterling Plumbing Group	2048	Prelco Inc.
1886	Guardian Inds. Corp.	1983	Sterling Plumbing Group	2050	Edge Seal Technologies
1889	Commercial Insulating Glass Co.	1984	Sterling Plumbing Group	2051	Edge Seal Technologies
1890	Commercial Insulating Glass Co.	1985	Cardinal CG	2052	Edge Seal Technologies
1891	Commercial Insulating Glass Co.	1986	Cardinal CG	2053	North American Glass
1892	Commercial Insulating Glass Co.	1987	Cardinal CG	2054	American Flat Glass Dist.
1894	Commercial Insulating Glass Co.	1988	Cardinal CG	2055	Edge Seal Technologies
1901	Efco Corp.	1989	Berkowitz, J.E.	2056	Patio Enclosures Inc.
1902	Efco Corp.	1990	Berkowitz, J.E.	2057	Patio Enclosures Inc.
1908	Coraglass Inc.	1991	Berkowitz, J.E.	2058	Patio Enclosures Inc.
1909	Coraglass Inc.	1992	Sovis North America, Inc.	2059	Patio Enclosures Inc.
1910	Coraglass Inc.	1993	Tecnoglass	2060	Consolidated Glass Corp.
1911	Coraglass Inc.	1994	Tecnoglass	2062	Vitrierie April Inc.
1914	Architectural Safety Glass	1995	Tecnoglass	2063	Vitrierie April Inc.
1915	Mirror Factory	1996	Vitrierie April Inc.	2066	Summit Window & Patio Door
1919	ACI Distribution	1997	Vitrierie April Inc.	2067	Cardinal CG
1921	Cardinal CG	1998	Consolidated Glass Corp.	2068	Cardinal CG
1922	Cardinal CG	1999	Consolidated Glass Corp.	2069	Cardinal CG
1923	Cardinal CG	2002	Consolidated Glass Corp.	2070	Cardinal CG
1924	Cardinal CG	2003	Consolidated Glass Corp.	2071	Cardinal CG
1925	AFG Inds. Inc.-CA	2004	Consolidated Glass Corp.	2074	Downey Glass
1929	Colonial Mirror & Glass Corp.	2005	Consolidated Glass Corp.	2075	Downey Glass
1938	Sovis North America, Inc.	2006	Ardco Inc.	2077	ACI Distribution
1939	Shaw Glass Co.	2007	Cardinal CG	2101	Coastal Glass Distributors
1945	AFGD, Div. of AFG Inds. Ltd.	2008	Cardinal CG	2102	Coastal Glass Distributors
1946	Guardian Inds. Corp.	2009	Cardinal CG	2103	Coastal Glass Distributors
1947	Guardian Inds. Corp.	2010	Cardinal CG	2104	Coastal Glass Distributors
1951	Ardco Inc.	2011	Cardinal CG	2107	Coastal Glass Distributors
1957	American Flat Glass Dist.	2012	Cardinal CG	2108	Coastal Glass Distributors
1958	American Flat Glass Dist.	2013	Cardinal CG	2109	Coastal Glass Distributors
1959	American Flat Glass Dist.	2014	Laminated Glass Corp.	2117	Guardian Inds. Corp.
				2118	Jarrett, Inc.

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*Certified Products-Numerical Sequence*

<i>SGCC No.</i>		<i>SGCC No.</i>		<i>SGCC No.</i>	
2119	Jarrett, Inc.	2202	Nashville Tempered Glass Corp.	2254	Coolidge Glass, Inc.
2120	Jarrett, Inc.	2203	Cardinal IG	2255	Coolidge Glass, Inc.
2121	Specialty Building Products	2204	Cardinal IG	2256	Coolidge Glass, Inc.
2133	Tecnoglass	2205	Cardinal IG	2259	Guardian Inds. Corp.
2134	Tecnoglass	2206	AFG Inds. Inc.-TN	2260	Guardian Inds. Corp.
2135	Tecnoglass	2210	Hoffer's/Glassmont Corp.	2261	Guardian Inds. Corp.
2140	Guardian Walled Lake Fab.	2211	Hoffer's/Glassmont Corp.	2262	Guardian Inds. Corp.
2141	Guardian Walled Lake Fab.	2212	Hoffer's/Glassmont Corp.	2263	Ardco Inc.
2142	Guardian Walled Lake Fab.	2213	Hoffer's/Glassmont Corp.	2265	Vidrio Saint Gobain de Mexico
2143	Efco Corp.	2214	Hoffer's/Glassmont Corp.	2267	Vidrio Saint Gobain de Mexico
2144	Coraglass Inc.	2215	Hoffer's/Glassmont Corp.	2268	Vidrio Saint Gobain de Mexico
2145	Coraglass Inc.	2216	Hoffer's/Glassmont Corp.	2269	Vidrio Saint Gobain de Mexico
2146	Cardinal CG	2217	PDC Glass of Michigan Inc.	2274	Republic Windows & Doors Inc.
2147	Cardinal CG	2218	PDC Glass of Michigan Inc.	2276	Republic Windows & Doors Inc.
2148	Cardinal CG	2219	PDC Glass of Michigan Inc.	2277	Republic Windows & Doors Inc.
2156	Mid Ohio Tempering	2220	PDC Glass of Michigan Inc.	2278	Republic Windows & Doors Inc.
2157	Mid Ohio Tempering	2221	PDC Glass of Michigan Inc.	2279	Cheil Glass Industrial Co., Inc.
2158	Mid Ohio Tempering	2222	PDC Glass of Michigan Inc.	2280	Cheil Glass Industrial Co., Inc.
2159	Mid Ohio Tempering	2223	PDC Glass of Michigan Inc.	2281	Cheil Glass Industrial Co., Inc.
2160	AFGD-MA	2224	PDC Glass of Michigan Inc.	2282	GGI Glass Distributors Corp.
2166	Cardinal LG	2226	GGI Glass Distributors Corp.	2283	GGI Glass Distributors Corp.
2167	Cardinal LG	2227	GGI Glass Distributors Corp.	2284	American Flat Glass Dist.
2169	Cardinal LG	2228	GGI Glass Distributors Corp.	2285	Cardinal IG
2170	Mid Ohio Tempering	2229	PDC Glass of Michigan Inc.	2286	Cardinal IG
2171	Summit Window & Patio Door	2230	Dong Sung Glass Co., Ltd.	2287	Tecnoglass
2172	Summit Window & Patio Door	2231	Cardinal IG	2289	New Anthony, Inc.
2174	American Glassmith/Sumiglass	2232	Cardinal IG	2290	Interpane Glass Company
2175	American Glassmith/Sumiglass	2233	Cardinal IG	2293	Cardinal TG
2176	Cardinal IG	2234	Cardinal IG	2294	Cardinal TG
2177	Cardinal IG	2235	Cardinal IG	2295	Cardinal TG
2178	Cardinal IG	2236	Colonial Mirror & Glass Corp.	2296	Cardinal TG
2179	Cardinal IG	2237	Colonial Mirror & Glass Corp.	2297	American Flat Glass Dist.
2182	Virginia Glass Products Corp.	2238	Colonial Mirror & Glass Corp.	2298	Dong Sung Glass Co., Ltd.
2183	S & S Glass Specialties Inc.	2239	Shin IL Safety Glass Co., Ltd.	2299	Dong Sung Glass Co., Ltd.
2184	S & S Glass Specialties Inc.	2240	Cardinal LG	2300	Cardinal LG
2185	Glass, Inc.	2241	Tempglass	2301	Cardinal LG
2186	Glass, Inc.	2242	Bronco Industries Inc.	2302	Virginia Glass Products Corp.
2187	Glass, Inc.	2243	Bronco Industries Inc.	2305	Sovis North America, Inc.
2188	Glass, Inc.	2244	Bronco Industries Inc.	2306	Sovis North America, Inc.
2189	Glass, Inc.	2245	Bronco Industries Inc.	2307	Sovis North America, Inc.
2190	Glass, Inc.	2246	Bronco Industries Inc.	2308	North American Glass
2193	Glass, Inc.	2247	Bronco Industries Inc.	2309	Specialty Building Products
2196	American Flat Glass Dist.	2248	Sovis North America, Inc.	2310	Viracon, Inc.
2197	American Flat Glass Dist.	2249	AFG Inds. Inc.-TN	2311	Viracon, Inc.
2198	American Flat Glass Dist.	2250	Coolidge Glass, Inc.	2314	Viracon, Inc.
2199	American Flat Glass Dist.	2251	Coolidge Glass, Inc.	2315	D & S Insulated Glass
2200	American Flat Glass Dist.	2252	Coolidge Glass, Inc.	2316	American Flat Glass Dist.
2201	American Flat Glass Dist.	2253	Coolidge Glass, Inc.		

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*Certified Products-Numerical Sequence*

<i>SGCC No.</i>		<i>SGCC No.</i>		<i>SGCC No.</i>
2324	Interpane Glass Company			
2325	Interpane Glass Company			
2326	Interpane Glass Company			
2327	US Precision Glass			
2332	Vidrio Saint Gobain de Mexico			
2333	Vidrio Saint Gobain de Mexico			
2335	Craftsman Tempered Glass; Div.of Glas Wholesalers			
2337	Craftsman Tempered Glass; Div.of Glas Wholesalers			
2338	Craftsman Tempered Glass; Div.of Glas Wholesalers			
2339	Craftsman Tempered Glass; Div.of Glas Wholesalers			
2340	Craftsman Tempered Glass; Div.of Glas Wholesalers			
2341	Craftsman Tempered Glass; Div.of Glas Wholesalers			
2342	Craftsman Tempered Glass; Div.of Glas Wholesalers			
2343	Espejos Nacionales S.A. de C.V.			
2344	Espejos Nacionales S.A. de C.V.			
2345	Espejos Nacionales S.A. de C.V.			
2349	Espejos Nacionales S.A. de C.V.			
2350	Espejos Nacionales S.A. de C.V.			
2351	Sovis North America, Inc.			
2352	Sovis North America, Inc.			
2353	Sovis North America, Inc.			
2364	Viracon, Inc.			
2365	Tecnoglass			
2366	Vidrio Saint Gobain de Mexico			
2367	ACI Distribution			
2368	ACI Distribution			
2369	Vidrio Plano de Mexico SA de CV			
2370	Vidrio Plano de Mexico SA de CV			
2371	Vidrio Plano de Mexico SA de CV			
2372	Vidrio Plano de Mexico SA de CV			
2373	Vidrio Plano de Mexico SA de CV			
2374	Vidrio Plano de Mexico SA de CV			

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*Certified Products-Alphabetical By Plant*

SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED	SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED
<b>ACI Distribution ; Dallas, TX</b>						<b>AFGD, Div. of AFG Inds. Ltd. ; Concord, ON</b>					
1919	COMPOSITE	1/8	3.0	TTG	U	1485	COMPOSITE	1/8	3.0	TTG	U
400	COMPOSITE	3/16	5.0	TTG	U	1486	COMPOSITE	5/32	4.0	TTG	U
402	COMPOSITE	1/4	6.0	TTG	U	1945	COMPOSITE	3/16	5.0	TTG	U
1107	COMPOSITE	3/8	10.0	TTG	U	1489	COMPOSITE	1/4	6.0	TTG	U
1108	COMPOSITE	1/2	12.0	TTG	U	<b>AFGD, Div. of AFG Inds. Ltd. ; London, ON</b>					
1225	COMPOSITE	3/4	19.0	TTG	U	1872	COMPOSITE	1/8	3.0	TTG	U
1728	COMPOSITE	3/16	4.8	TPG (s)	U	1873	COMPOSITE	5/32	4.0	TTG	U
<b>ACI Distribution ; Greensboro, NC</b>						1874	COMPOSITE	3/16	5.0	TTG	U
1642	COMPOSITE	3/16	5.0	TTG	U	1875	COMPOSITE	1/4	6.0	TTG	U
1643	COMPOSITE	1/4	6.0	TTG	U	<b>AFGD-MA ; Fall River, MA</b>					
1644	COMPOSITE	3/8	10.0	TTG	U	1518	COMPOSITE	1/8	3.0	TTG	U
1645	COMPOSITE	1/2	12.0	TTG	U	1519	COMPOSITE	3/16	5.0	TTG	U
2077	COMPOSITE	3/16	4.8	TPG (s)	U	1520	COMPOSITE	1/4	6.0	TTG	U
<b>ACI Distribution ; Santa Clara, CA</b>						1521	COMPOSITE	3/8	10.0	TTG	U
2367	COMPOSITE	3/16	5.0	TTG	U	1522	COMPOSITE	1/2	12.0	TTG	U
1496	COMPOSITE	1/4	6.0	TTG	U	2160	COMPOSITE	5/32	4.0	TPG (s)	U
1497	COMPOSITE	3/8	10.0	TTG	U	1523	COMPOSITE	3/16	4.8	TPG (s)	U
1498	COMPOSITE	1/2	12.0	TTG	U	<b>All Team Glass &amp; Mirror Ltd. ; Woodbridge, ON</b>					
2368	COMPOSITE	3/16	4.8	TPG (s)	U	1754	COMPOSITE	5/32	4.0	TTG	U
<b>ACI Distribution ; Santa Fe Springs, CA</b>						1755	COMPOSITE	3/16	5.0	TTG	U
1157	COMPOSITE	3/16	5.0	TTG	U	1756	COMPOSITE	1/4	6.0	TTG	U
1535	COMPOSITE	1/4	6.0	TTG	U	1757	COMPOSITE	3/8	10.0	TTG	U
1179	COMPOSITE	3/8	10.0	TTG	U	1758	COMPOSITE	1/2	12.0	TTG	U
640	COMPOSITE	1/2	12.0	TTG	U	<b>American Flat Glass Dist. ; Alvarado, TX</b>					
1861	COMPOSITE	1/8	3.0	TPG (s)	U	1708	COMPOSITE	1/8	3.0	TTG	U
<b>AFG Inds. Inc.-CA ; Victorville, CA</b>						1709	COMPOSITE	3/16	5.0	TTG	U
1664	COMPOSITE	1/8	3.0	TTG	U	1710	COMPOSITE	1/4	6.0	TTG	U
1641	COMPOSITE	5/32	4.0	TTG	U	1711	COMPOSITE	3/8	10.0	TTG	U
1663	COMPOSITE	3/16	5.0	TTG	U	1712	COMPOSITE	1/2	12.0	TTG	U
1925	COMPOSITE	1/4	6.0	TTG	U	1714	COMPOSITE	3/16	4.8	TPG (s)	U
<b>AFG Inds. Inc.-KS ; Spring Hill, KS</b>						<b>American Flat Glass Dist. ; Hebron, OH</b>					
1702	COMPOSITE	1/8	3.0	TTG	U	2196	COMPOSITE	1/8	3.0	TTG	U
1703	COMPOSITE	5/32	4.0	TTG	U	2284	COMPOSITE	5/32	4.0	TTG	U
1704	COMPOSITE	3/16	5.0	TTG	U	2197	COMPOSITE	3/16	5.0	TTG	U
1705	COMPOSITE	1/4	6.0	TTG	U	2198	COMPOSITE	1/4	6.0	TTG	U
<b>AFG Inds. Inc.-TN ; Greenland, TN</b>						2199	COMPOSITE	3/8	10.0	TTG	U
598	COMPOSITE	1/8	3.0	TTG	U	2200	COMPOSITE	1/2	12.0	TTG	U
955	COMPOSITE	5/32	4.0	TTG	U	2201	COMPOSITE	3/16	4.8	TPG (d)	U
220	COMPOSITE	3/16	5.0	TTG	U	<b>American Flat Glass Dist. ; Marietta, GA</b>					
89	COMPOSITE	1/4	6.0	TTG	U	1405	COMPOSITE	1/8	3.0	TTG	U
90	COMPOSITE	3/8	10.0	TTG	U	1967	COMPOSITE	5/32	4.0	TTG	U
587	COMPOSITE	1/8	3.0	TPG (s)	U	1230	COMPOSITE	3/16	5.0	TTG	U
1139	COMPOSITE	3/16	4.8	TPG (s)	U	1231	COMPOSITE	1/4	6.0	TTG	U
<b>AFG Inds. Inc.-TN ; Kingsport, TN</b>						1232	COMPOSITE	3/8	10.0	TTG	U
1390	COMPOSITE	1/8	3.0	TTG	U	1406	COMPOSITE	1/2	12.0	TTG	U
949	COMPOSITE	5/32	4.0	TTG	U	1428	COMPOSITE	5/32	4.0	TPG (s)	U
28	COMPOSITE	3/16	5.0	TTG	U	2054	COMPOSITE	3/16	4.8	TPG (m)	U
24	COMPOSITE	1/4	6.0	TTG	U	<b>American Flat Glass Dist. ; Richmond, VA</b>					
1414	COMPOSITE	1/8	3.0	TPG (m)	U	2016	COMPOSITE	1/8	3.0	TTG	U
2249	COMPOSITE	5/32	4.0	TPG (m)	U	2297	COMPOSITE	5/32	4.0	TTG	U
2206	COMPOSITE	3/16	4.8	TPG (d)	U	2316	COMPOSITE	3/16	5.0	TTG	U
<b>AFG Inds. Inc.-WV ; Bridgeport, WV</b>						1957	COMPOSITE	1/4	6.0	TTG	U
1436	COMPOSITE	1/8	3.0	TTG	U	1958	COMPOSITE	3/8	10.0	TTG	U
1624	COMPOSITE	5/32	4.0	TTG	U	1959	COMPOSITE	1/2	12.0	TTG	U
1795	COMPOSITE	3/16	5.0	TTG	U	1960	COMPOSITE	5/32	4.0	TPG (m)	U
1794	COMPOSITE	1/4	6.0	TTG	U	1961	COMPOSITE	3/16	4.8	TPG (s)	U

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SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED	SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED
<b>American Glassmith/Sumiglass ; Columbus, OH</b>						<b>Cardinal IG ; Fargo, ND</b>					
2174	COMPOSITE	1/4	6.0	LTG (b)	(.030) U	2235	COMPOSITE	1/8	3.0	TTG	U
2175	COMPOSITE	1/2	12.0	LTG (b)	(.030) U	2234	COMPOSITE	5/32	4.0	TTG	U
<b>Architectural Safety Glass ; Ft. Pierce, FL</b>						2233	COMPOSITE	3/16	5.0	TTG	U
1914	COMPOSITE	1/4	6.0	LTG (b)	(.030) U	2232	COMPOSITE	1/4	6.0	TTG	U
<b>Ardco Inc. ; Chicago, IL</b>						2231	COMPOSITE	1/8	3.0	TPG (s)	U
1041	COMPOSITE	1/8	3.0	TTG	U	2285	COMPOSITE	5/32	4.0	TPG (s)	U
1042	COMPOSITE	3/16	5.0	TTG	U	2286	COMPOSITE	3/16	4.8	TPG (s)	U
2263	COMPOSITE	1/4	6.0	TTG	U	<b>Cardinal IG ; Fremont, IN</b>					
1951	COMPOSITE	3/16	4.8	TBP (s)	U	2176	CPSC ONLY	1/8	3.0	TTG	U
2006	COMPOSITE	1/4	6.0	TBP (s)	U	2177	CPSC ONLY	5/32	4.0	TTG	U
1563	COMPOSITE	5/32	4.0	TBG	U	2178	CPSC ONLY	3/16	5.0	TTG	U
1564	COMPOSITE	3/16	5.0	TBG	U	2179	CPSC ONLY	1/4	6.0	TTG	U
1565	COMPOSITE	1/4	6.0	TBG	U	2203	CPSC ONLY	1/8	3.0	TPG (s)	U
<b>Berkowitz, J.E. ; Westville, NJ</b>						2204	CPSC ONLY	5/32	4.0	TPG (s)	U
1989	COMPOSITE	1/8	3.0	TTG	U	2205	CPSC ONLY	3/16	4.8	TPG (s)	U
1990	COMPOSITE	1/4	6.0	TTG	U	<b>Cardinal IG ; Greenfield, IA</b>					
1991	COMPOSITE	1/2	12.0	TTG	U	1827	CPSC ONLY	1/8	3.0	TTG	U
<b>Bronco Industries Inc. ; Delta, BC</b>						1828	CPSC ONLY	5/32	4.0	TTG	U
2242	ANSI ONLY	1/8	3.0	TTG	U	1829	CPSC ONLY	3/16	5.0	TTG	U
2243	ANSI ONLY	5/32	4.0	TTG	U	1830	CPSC ONLY	1/4	6.0	TTG	U
2244	ANSI ONLY	3/16	5.0	TTG	U	1841	CPSC ONLY	1/8	3.0	TPG (s)	U
2245	ANSI ONLY	1/4	6.0	TTG	U	1842	CPSC ONLY	5/32	4.0	TPG (m)	U
2246	ANSI ONLY	3/8	10.0	TTG	U	1843	CPSC ONLY	3/16	4.8	TPG (s)	U
2247	ANSI ONLY	1/2	12.0	TTG	U	<b>Cardinal IG ; Spring Green, WI</b>					
<b>Cardinal CG ; Buford, GA</b>						1831	CPSC ONLY	1/8	3.0	TTG	U
1921	COMPOSITE	1/8	3.0	TTG	U	1832	CPSC ONLY	5/32	4.0	TTG	U
1922	COMPOSITE	5/32	4.0	TTG	U	1833	CPSC ONLY	3/16	5.0	TTG	U
1923	COMPOSITE	3/16	5.0	TTG	U	1834	CPSC ONLY	1/4	6.0	TTG	U
1924	COMPOSITE	1/4	6.0	TTG	U	1844	CPSC ONLY	1/8	3.0	TPG (s)	34x60
2146	CPSC ONLY	1/8	3.0	TPG (s)	U	1845	CPSC ONLY	5/32	4.0	TPG (s)	U
2147	CPSC ONLY	5/32	4.0	TPG (s)	U	1846	CPSC ONLY	3/16	4.8	TPG (s)	U
2148	CPSC ONLY	3/16	4.8	TPG (s)	U	<b>Cardinal LG ; Amery, WI</b>					
<b>Cardinal CG ; Northfield, MN</b>						2301	COMPOSITE	3/32	2.3	OCH	(.037) U
1985	CPSC ONLY	1/8	3.0	TTG	U	2300	COMPOSITE	1/4	6.0	OCH	(.037) U
1986	CPSC ONLY	5/32	4.0	TTG	U	2166	COMPOSITE	5/32	4.0	LTG (b)(C1)	(.015) U
1987	CPSC ONLY	3/16	5.0	TTG	U	2169	COMPOSITE	1/4	6.0	LTG (l)	(.030) U
1988	CPSC ONLY	1/4	6.0	TTG	U	2167	COMPOSITE	1/4	6.0	LTG (b)	(.030) U
2011	CPSC ONLY	1/8	3.0	TPG (s)	U	2240	COMPOSITE	5/16	8.9	LPG (b)(m)	(.030) U
2012	CPSC ONLY	5/32	4.0	TPG (s)	U	<b>Cardinal TG ; Moreno Valley, CA</b>					
2013	CPSC ONLY	3/16	4.8	TPG (s)	U	2293	CPSC ONLY	1/8	3.0	TTG	U
<b>Cardinal CG ; Spring Green, WI</b>						2294	CPSC ONLY	5/32	4.0	TTG	U
2067	CPSC ONLY	1/8	3.0	TTG	U	2295	CPSC ONLY	3/16	5.0	TTG	U
2068	CPSC ONLY	5/32	4.0	TTG	U	2296	CPSC ONLY	1/4	6.0	TTG	U
2069	CPSC ONLY	3/16	5.0	TTG	U	<b>Cardinal TG ; Tomah, WI</b>					
2070	CPSC ONLY	1/4	6.0	TTG	U	1804	COMPOSITE	1/8	3.0	TTG	U
2071	CPSC ONLY	1/8	3.0	TPG (s)	U	1805	COMPOSITE	5/32	4.0	TTG	U
<b>Cardinal CG ; Tumwater, WA</b>						1806	COMPOSITE	3/16	5.0	TTG	U
2007	CPSC ONLY	1/8	3.0	TTG	U	1807	COMPOSITE	1/4	6.0	TTG	U
2008	CPSC ONLY	5/32	4.0	TTG	U	<b>Cheil Glass Industrial Co., Inc. ; Incheon City, Korea</b>					
2009	CPSC ONLY	3/16	5.0	TTG	U	2279	COMPOSITE	1/8	3.0	TTG	U
2010	CPSC ONLY	1/4	6.0	TTG	U	2280	COMPOSITE	5/32	4.0	TTG	U
						2281	COMPOSITE	3/16	5.0	TTG	U

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SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED	SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED
<b>Coastal Glass Distributors ; Charleston, SC</b>						<b>Craftsman Tempered Glass; Div.of Glass Wholesalers ; Houston, TX</b>					
2101	COMPOSITE	1/8	3.0	TTG	U	2335	COMPOSITE	1/8	3.0	TTG	U
2102	COMPOSITE	5/32	4.0	TTG	U	2337	COMPOSITE	1/4	6.0	TTG	U
2103	COMPOSITE	3/16	5.0	TTG	U	2338	COMPOSITE	3/8	10.0	TTG	U
2104	COMPOSITE	1/4	6.0	TTG	U	2339	COMPOSITE	1/2	12.0	TTG	U
2107	COMPOSITE	1/8	3.0	TPG (s)	U	2340	COMPOSITE	3/4	19.0	TTG	U
2108	COMPOSITE	5/32	4.0	TPG (s)	U	2341	COMPOSITE	5/32	4.0	TPG (s)	U
2109	COMPOSITE	3/16	4.8	TPG (m)	U	2342	COMPOSITE	3/16	4.8	TPG (s)	U
<b>Colonial Mirror &amp; Glass Corp. ; Brooklyn, NY</b>						<b>D &amp; S Insulated Glass ; Dallas, TX</b>					
2237	COMPOSITE	3/16	5.0	TTG	U	1653	COMPOSITE	1/8	3.0	TTG	U
1847	COMPOSITE	1/4	6.0	TTG	U	1654	COMPOSITE	5/32	4.0	TTG	U
1848	COMPOSITE	3/8	10.0	TTG	U	1655	COMPOSITE	3/16	5.0	TTG	U
1929	COMPOSITE	1/2	12.0	TTG	U	1656	COMPOSITE	1/4	6.0	TTG	U
2236	COMPOSITE	5/8	15.0	TTG	U	1657	COMPOSITE	3/8	10.0	TTG	U
2238	COMPOSITE	3/4	19.0	TTG	U	1658	COMPOSITE	1/2	12.0	TTG	U
<b>Commercial Insulating Glass Co. ; Sarasota, FL</b>						2315	COMPOSITE	5/8	15.0	TTG	34x48
1889	COMPOSITE	1/8	3.0	TTG	31x76	1965	COMPOSITE	3/4	19.0	TTG	U
1890	COMPOSITE	3/16	5.0	TTG	31x76	1659	COMPOSITE	1/8	3.0	TPG (s)	U
1891	COMPOSITE	1/4	6.0	TTG	31x76	1660	COMPOSITE	5/32	4.0	TPG (s)	U
1892	COMPOSITE	1/8	3.0	TPG (s)	31x76	1661	COMPOSITE	3/16	4.8	TPG (s)	U
1894	COMPOSITE	3/16	4.8	TPG (s)	31x76	<b>D &amp; W, Incorporated ; Elkhart, IN</b>					
<b>Consolidated Glass Corp. ; New Castle, PA</b>						2027	COMPOSITE	1/8	3.0	TTG	28x42
1998	COMPOSITE	1/8	3.0	TTG	U	2028	COMPOSITE	5/32	4.0	TTG	28x42
1999	COMPOSITE	5/32	4.0	TTG	U	2029	COMPOSITE	3/16	5.0	TTG	28x42
2005	COMPOSITE	3/16	5.0	TTG	U	2030	COMPOSITE	1/4	6.0	TTG	28x42
2002	COMPOSITE	1/4	6.0	TTG	U	<b>Dong Sung Glass Co., Ltd. ; Incheon, Korea</b>					
2003	COMPOSITE	3/8	10.0	TTG	U	2230	ANSI ONLY	1/8	3.0	TTG	U
2004	COMPOSITE	1/2	12.0	TTG	U	2298	COMPOSITE	3/16	5.0	TTG	U
2060	COMPOSITE	5/8	15.0	TTG	U	2299	COMPOSITE	3/8	10.0	TTG	U
<b>Contour Industries Inc. ; Surgoinsville, TN</b>						<b>Downey Glass ; Los Angeles, CA</b>					
1680	COMPOSITE	1/8	3.0	TTG	18x76	1608	COMPOSITE	1/8	3.0	TTG	U
1678	COMPOSITE	3/16	5.0	TTG	18x76	1609	COMPOSITE	5/32	4.0	TTG	U
1677	COMPOSITE	1/4	6.0	TTG	18x76	630	COMPOSITE	3/16	5.0	TTG	U
1676	COMPOSITE	1/8	3.0	TPG (s)	18x76	514	COMPOSITE	1/4	6.0	TTG	U
<b>Coolidge Glass, Inc. ; Waukesha, WI</b>						515	COMPOSITE	3/8	10.0	TTG	U
2250	COMPOSITE	1/8	3.0	TTG	U	516	COMPOSITE	1/2	12.0	TTG	U
2253	COMPOSITE	5/32	4.0	TTG	U	2074	COMPOSITE	3/4	19.0	TTG	U
2251	COMPOSITE	3/16	5.0	TTG	U	1611	COMPOSITE	1/8	3.0	TPG (m)	U
2252	COMPOSITE	1/4	6.0	TTG	U	2075	COMPOSITE	5/32	4.0	TPG (s)	U
2254	COMPOSITE	3/8	10.0	TTG	U	935	COMPOSITE	3/16	4.8	TPG (s)	U
2255	COMPOSITE	1/2	12.0	TTG	U	678	COMPOSITE	7/32	5.6	TPG (s)	U
2256	COMPOSITE	3/4	19.0	TTG	U	<b>Edge Seal Technologies ; Walton Hills, OH</b>					
<b>Coraglass Inc. ; Reform, AL</b>						2050	COMPOSITE	1/8	3.0	TTG	U
1908	COMPOSITE	1/8	3.0	TTG	U	2051	COMPOSITE	5/32	4.0	TTG	U
1909	COMPOSITE	5/32	4.0	TTG	U	2052	COMPOSITE	3/16	5.0	TTG	U
1910	COMPOSITE	3/16	5.0	TTG	U	2055	COMPOSITE	1/4	6.0	TTG	U
1911	COMPOSITE	1/4	6.0	TTG	U	<b>Efco Corp. ; Monett, MO</b>					
2144	COMPOSITE	3/8	10.0	TTG	U	1901	COMPOSITE	3/16	5.0	TTG	U
2145	COMPOSITE	1/2	12.0	TTG	U	1902	COMPOSITE	1/4	6.0	TTG	U
1962	COMPOSITE	1/8	3.0	TPG (s)	U	2143	COMPOSITE	3/16	4.8	TPG (s)	U
1963	COMPOSITE	5/32	4.0	TPG (s)	U	<b>Espejos Nacionales S.A. de C.V. ; Santa Catarina, Mexico</b>					
1964	COMPOSITE	3/16	4.8	TPG (s)	U	2349	ANSI ONLY	5/32	4.0	TTG	U
						2350	ANSI ONLY	3/16	5.0	TTG	U
						2343	ANSI ONLY	1/4	6.0	TTG	U
						2344	ANSI ONLY	5/16	8.0	TTG	U
						2345	ANSI ONLY	3/8	10.0	TTG	U

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SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED	SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED
<b>Flex-O-Glass Inc. ; Dixon, IL</b>						<b>Guardian Inds. Corp. ; Carleton, MI</b>					
118	ANSI ONLY	.08-.125	2.0	SPS	U	933	ANSI ONLY	1/8	3.0	TTG	U
<b>Floral Glass &amp; Mirror ; Hauppauge, NY</b>						934	ANSI ONLY	5/32	4.0	TTG	U
1546	COMPOSITE	1/8	3.0	TTG	U	631	ANSI ONLY	3/16	5.0	TTG	U
1547	COMPOSITE	3/16	5.0	TTG	U	131	ANSI ONLY	1/4	6.0	TTG	U
1548	COMPOSITE	1/4	6.0	TTG	U	<b>Guardian Inds. Corp. ; Corsicana, TX</b>					
1549	COMPOSITE	3/8	10.0	TTG	U	1248	ANSI ONLY	1/8	3.0	TTG	U
1550	COMPOSITE	1/2	12.0	TTG	U	1249	ANSI ONLY	5/32	4.0	TTG	U
1551	COMPOSITE	3/4	19.0	TTG	U	1250	ANSI ONLY	3/16	5.0	TTG	U
<b>Four Seasons Solar Products ; Holbrook, NY</b>						1251	ANSI ONLY	1/4	6.0	TTG	U
1791	COMPOSITE	1/8	3.0	TTG	U	1826	ANSI ONLY	5/16	8.0	TTG	U
<b>Gemtron-Sweetwater ; Sweetwater, TN</b>						1253	ANSI ONLY	3/8	10.0	TTG	U
1334	COMPOSITE	1/8	3.0	TTG	U	1803	ANSI ONLY	1/2	12.0	TTG	U
1332	COMPOSITE	5/32	4.0	TTG	U	1463	ANSI ONLY	1/8	3.0	TPG (s)	U
1201	COMPOSITE	3/16	5.0	TTG	U	1737	ANSI ONLY	5/32	4.0	TPG (s)	U
1477	COMPOSITE	1/4	6.0	TTG	U	1464	ANSI ONLY	7/32	5.6	TPG (s)	U
1422	COMPOSITE	1/8	3.0	TPG (s)	U	<b>Guardian Inds. Corp. ; Dewitt, IA</b>					
1424	COMPOSITE	5/32	4.0	TPG (s)	U	2020	ANSI ONLY	1/8	3.0	TTG	U
<b>GGI Glass Distributors Corp. ; Ronkonkoma, NY</b>						2021	ANSI ONLY	5/32	4.0	TTG	U
2226	COMPOSITE	3/16	5.0	TTG	U	2022	ANSI ONLY	3/16	5.0	TTG	U
2227	COMPOSITE	1/4	6.0	TTG	U	2023	ANSI ONLY	1/4	6.0	TTG	U
2282	COMPOSITE	3/8	10.0	TTG	U	<b>Guardian Inds. Corp. ; Ft. Lauderdale, FL</b>					
2228	COMPOSITE	1/2	12.0	TTG	U	1161	ANSI ONLY	1/8	3.0	TTG	U
2283	COMPOSITE	3/4	19.0	TTG	U	633	ANSI ONLY	3/16	5.0	TTG	U
<b>Glass, Inc. ; Englewood, CO</b>						40	ANSI ONLY	1/4	6.0	TTG	U
2185	COMPOSITE	1/8	3.0	TTG	U	1665	ANSI ONLY	1/8	3.0	TPG (s)	U
2186	COMPOSITE	3/16	5.0	TTG	U	1318	ANSI ONLY	3/16	4.8	TPG (s)	U
2187	COMPOSITE	1/4	6.0	TTG	U	<b>Guardian Inds. Corp. ; Geneva, NY</b>					
2188	COMPOSITE	3/8	10.0	TTG	U	2259	ANSI ONLY	1/8	3.0	TTG	U
2189	COMPOSITE	1/2	12.0	TTG	U	2260	ANSI ONLY	5/32	4.0	TTG	U
2190	COMPOSITE	3/4	19.0	TTG	U	2261	ANSI ONLY	3/16	5.0	TTG	U
2193	COMPOSITE	3/16	4.8	TPG (s)	U	2262	ANSI ONLY	1/4	6.0	TTG	U
<b>Globe-Amerada Glass Co. (Assurance) ; Selma, AL</b>						<b>Guardian Inds. Corp. ; Kingsburg, CA</b>					
1668	COMPOSITE	1/4	6.0	LTG (b) (.030)	U	968	ANSI ONLY	1/8	3.0	TTG	U
<b>Guardian Fabrication Inc. ; Millbury, OH</b>						969	ANSI ONLY	5/32	4.0	TTG	U
1574	ANSI ONLY	1/8	3.0	TTG	U	970	ANSI ONLY	3/16	5.0	TTG	U
1575	ANSI ONLY	5/32	4.0	TTG	U	971	ANSI ONLY	1/4	6.0	TTG	U
1576	ANSI ONLY	3/16	5.0	TTG	U	1303	ANSI ONLY	1/8	3.0	TPG (m)	U
1577	ANSI ONLY	1/4	6.0	TTG	U	1301	ANSI ONLY	5/32	4.0	TPG (m)	U
<b>Guardian Fabrication Inc. ; Rogers, AR</b>						1304	ANSI ONLY	3/16	4.8	TPG (s)	U
1355	ANSI ONLY	1/8	3.0	TTG	U	1882	ANSI ONLY	1/4	6.0	TPG (s)	U
1616	ANSI ONLY	5/32	4.0	TTG	U	<b>Guardian Inds. Corp. ; Lewistown, PA</b>					
1356	ANSI ONLY	3/16	5.0	TTG	U	1627	ANSI ONLY	1/8	3.0	TTG	U
1357	ANSI ONLY	1/4	6.0	TTG	U	1866	ANSI ONLY	5/32	4.0	TTG	U
1358	ANSI ONLY	1/8	3.0	TPG (s)	U	1628	ANSI ONLY	3/16	5.0	TTG	U
1359	ANSI ONLY	5/32	4.0	TPG (s)	U	1629	ANSI ONLY	1/4	6.0	TTG	U
<b>Guardian Fabrication Inc. ; Webster, MA</b>						1867	ANSI ONLY	3/8	10.0	TTG	U
300	ANSI ONLY	1/8	3.0	TTG	U	1868	ANSI ONLY	1/2	12.0	TTG	U
1607	ANSI ONLY	5/32	4.0	TTG	U	1886	ANSI ONLY	5/32	4.0	LTG (b) (.030)	U
1216	ANSI ONLY	3/16	5.0	TTG	U	1282	ANSI ONLY	7/32	5.6	LTG (b) (.015)	U
662	ANSI ONLY	1/4	6.0	TTG	U	1946	ANSI ONLY	1/4	6.0	LTG (b) (.015)	U
471	ANSI ONLY	3/8	10.0	TTG	U	1947	ANSI ONLY	3/8	10.0	LTG (b) (.015)	U
1235	ANSI ONLY	1/2	12.0	TTG	U	1316	ANSI ONLY	1/2	12.0	LTG (b) (.015)	U
<b>Guardian Inds. Canada Corp. ; Rexdale, ON</b>						<b>Guardian Inds. Corp. ; Reedley, CA</b>					
1966	ANSI ONLY	5/32	4.0	OCG	U	2117	CPSC ONLY	1/8	3.0	OCG	U

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SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED	SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED
<b>Guardian Inds. Corp. ; Richburg, SC</b>						<b>Marvin Windows ; Warroad, MN</b>					
1630	ANSI ONLY	1/8	3.0	TTG	U	1689	COMPOSITE	1/8	3.0	TTG	U
1631	ANSI ONLY	5/32	4.0	TTG	U	1723	COMPOSITE	5/32	4.0	TTG	U
1632	ANSI ONLY	3/16	5.0	TTG	U	1690	COMPOSITE	3/16	5.0	TTG	U
1633	ANSI ONLY	1/4	6.0	TTG	U	1691	COMPOSITE	1/4	6.0	TTG	U
1634	ANSI ONLY	3/8	10.0	TTG	U	1724	COMPOSITE	1/8	3.0	TPG (s)	U
1683	ANSI ONLY	1/8	3.0	TPG (m)	U	1701	COMPOSITE	3/16	4.8	TPG (s)	U
1635	ANSI ONLY	5/32	4.0	TPG (m)	U	<b>Mid Ohio Tempering ; Columbus, OH</b>					
1865	ANSI ONLY	3/16	4.8	TPG (m)	U	2156	COMPOSITE	1/8	3.0	TTG	U
<b>Guardian Inds. Corp. ; Tillsonburg, ON</b>						2170	COMPOSITE	3/16	5.0	TTG	U
1462	ANSI ONLY	1/8	3.0	TTG	U	2157	COMPOSITE	1/4	6.0	TTG	U
<b>Guardian Walled Lake Fab. ; Walled Lake, MI</b>						2158	COMPOSITE	3/8	10.0	TTG	U
1885	ANSI ONLY	1/8	3.0	TTG	U	2159	COMPOSITE	1/2	12.0	TTG	U
2140	ANSI ONLY	5/32	4.0	TTG	U	<b>Milgard Tempering Inc. ; Tacoma, WA</b>					
2141	ANSI ONLY	3/16	5.0	TTG	U	1578	COMPOSITE	1/4	6.0	TTG	U
2142	ANSI ONLY	1/4	6.0	TTG	U	<b>Mirror Factory ; Plymouth, MN</b>					
<b>Hoffer's Inc. ; Schofield, WI</b>						1915	COMPOSITE	7/32	5.6	LTG (b) (.030)	U
1595	COMPOSITE	1/8	3.0	TTG	U	<b>Nashville Tempered Glass Corp. ; Nashville, TN</b>					
1862	COMPOSITE	5/32	4.0	TTG	U	1416	COMPOSITE	1/8	3.0	TTG	U
1596	COMPOSITE	3/16	5.0	TTG	U	1467	COMPOSITE	3/16	5.0	TTG	U
1597	COMPOSITE	1/4	6.0	TTG	U	1417	COMPOSITE	1/4	6.0	TTG	U
1796	COMPOSITE	3/8	10.0	TTG	U	2202	COMPOSITE	1/4	6.0	LTG (b) (.030)	U
1797	COMPOSITE	1/2	12.0	TTG	U	<b>New Anthony, Inc. ; San Fernando, CA</b>					
1798	COMPOSITE	3/16	4.8	TPG (s)	U	520	ANSI ONLY	1/8	3.0	TTG	U
<b>Hoffer's/Glassmont Corp. ; Indianapolis, IN</b>						2289	ANSI ONLY	5/32	4.0	TTG	U
2210	COMPOSITE	1/8	3.0	TTG	U	999	ANSI ONLY	3/16	5.0	TTG	U
2216	COMPOSITE	5/32	4.0	TTG	U	1000	ANSI ONLY	1/4	6.0	TTG	U
2211	COMPOSITE	3/16	5.0	TTG	U	<b>North American Glass ; Bensenville, IL</b>					
2212	COMPOSITE	1/4	6.0	TTG	U	1382	COMPOSITE	1/4	6.0	TTG	U
2213	COMPOSITE	3/8	10.0	TTG	U	1383	COMPOSITE	3/8	10.0	TTG	U
2214	COMPOSITE	1/2	12.0	TTG	U	1384	COMPOSITE	1/2	12.0	TTG	U
2215	COMPOSITE	3/16	4.8	TPG (s)	U	2308	COMPOSITE	1/4	6.0	TBG	U
<b>Interpane Glass Company ; Clinton, NC</b>						1536	COMPOSITE	3/8	10.0	TBG	U
1073	COMPOSITE	3/16	5.0	TTG	U	2053	COMPOSITE	1/2	12.0	TBG	U
1074	COMPOSITE	1/4	6.0	TTG	U	<b>Patio Enclosures Inc. ; Macedonia, OH</b>					
1075	COMPOSITE	5/16	8.0	TTG	U	2056	COMPOSITE	1/8	3.0	TTG	U
1076	COMPOSITE	3/8	10.0	TTG	U	2057	COMPOSITE	5/32	4.0	TTG	U
1077	COMPOSITE	1/2	12.0	TTG	U	2058	COMPOSITE	3/16	5.0	TTG	U
2324	COMPOSITE	1/4	6.0	LTG (b) (.030)	U	2059	COMPOSITE	1/4	6.0	TTG	U
2325	COMPOSITE	5/16	8.0	LTG (b) (.030)	U	<b>PDC Glass of Michigan Inc. ; Plymouth, MI</b>					
2326	COMPOSITE	3/8	10.0	LTG (b) (.030)	U	2217	COMPOSITE	1/8	3.0	TTG	U
2290	COMPOSITE	1/2	12.0	LTG (b) (.015)	U	2218	COMPOSITE	3/16	5.0	TTG	U
<b>Interpane Glass Company ; Deerfield, WI</b>						2219	COMPOSITE	1/4	6.0	TTG	U
2042	COMPOSITE	3/16	5.0	TTG	U	2229	COMPOSITE	3/8	10.0	TTG	U
2043	COMPOSITE	1/4	6.0	TTG	U	2220	COMPOSITE	1/2	12.0	TTG	U
2044	COMPOSITE	5/16	8.0	TTG	U	2221	COMPOSITE	5/8	15.0	TTG	U
2045	COMPOSITE	3/8	10.0	TTG	U	2222	COMPOSITE	3/4	19.0	TTG	U
<b>Jarrett, Inc. ; East Palestine, OH</b>						2223	COMPOSITE	1/8	3.0	TPG	U
2118	COMPOSITE	5/16	8.0	LTG (l) (.07)	U	2224	COMPOSITE	3/16	4.8	TPG	U
2119	COMPOSITE	3/8	10.0	LTG (l) (.07)	U	<b>Perilstein Distribution Corp. ; Cheswick, PA</b>					
2120	COMPOSITE	1/2	12.0	LTG (l) (.07)	U	1784	COMPOSITE	1/8	3.0	TTG	U
<b>Laminated Glass Corp. ; Telford, PA</b>						1785	COMPOSITE	3/16	5.0	TTG	U
2014	COMPOSITE	3/16	5.0	TTG	U	1786	COMPOSITE	1/4	6.0	TTG	U
1879	COMPOSITE	1/4	6.0	TTG	U	1787	COMPOSITE	3/8	10.0	TTG	U
1880	COMPOSITE	3/8	10.0	TTG	U	1788	COMPOSITE	1/2	12.0	TTG	U
1881	COMPOSITE	1/2	12.0	TTG	U	1789	COMPOSITE	1/8	3.0	TPG (s)	U
1652	COMPOSITE	1/4	6.0	LTG (b) (.030)	U	1790	COMPOSITE	3/16	4.8	TPG (s)	U

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SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED	SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED
<b>PPG Inds. Inc. ; Burlington, IA</b>						<b>Sterling Plumbing Group ; Union City, TN</b>					
1605	COMPOSITE	1/8	3.0	TTG	U	1979	COMPOSITE	1/8	3.0	TTG	U
1606	COMPOSITE	5/32	4.0	TTG	U	1980	COMPOSITE	5/32	4.0	TTG	U
1603	COMPOSITE	3/16	5.0	TTG	U	1981	COMPOSITE	3/16	5.0	TTG	U
1604	COMPOSITE	1/4	6.0	TTG	U	1982	COMPOSITE	1/4	6.0	TTG	U
<b>PPG Inds. Inc. ; Carlisle, PA</b>						1983	COMPOSITE	1/8	3.0	TPG (s)	U
250	COMPOSITE	1/8	3.0	TTG	U	1984	COMPOSITE	3/16	4.8	TPG (s)	U
675	COMPOSITE	5/32	4.0	TTG	U	<b>Summit Window &amp; Patio Door ; Yakima, WA</b>					
249	COMPOSITE	3/16	5.0	TTG	U	2066	COMPOSITE	3/32	2.5	TTG	U
382	ANSI ONLY	1/4	6.0	TTG	U	1799	COMPOSITE	1/8	3.0	TTG	U
<b>PPG Inds. Inc. ; Fresno, CA</b>						1800	COMPOSITE	3/16	5.0	TTG	U
295	COMPOSITE	1/8	3.0	TTG	U	1801	COMPOSITE	1/4	6.0	TTG	U
676	COMPOSITE	5/32	4.0	TTG	U	2171	COMPOSITE	3/16	4.8	TPG (s)	U
64	COMPOSITE	3/16	5.0	TTG	U	2172	COMPOSITE	1/4	6.0	TPG (s)	U
<b>PPG Inds. Inc. ; Wichita Falls, TX</b>						<b>Sunbelt Glass Inc. ; Tulsa, OK</b>					
1110	COMPOSITE	1/8	3.0	TTG	U	1453	COMPOSITE	1/8	3.0	TTG	U
1111	COMPOSITE	5/32	4.0	TTG	U	1870	COMPOSITE	5/32	4.0	TTG	U
1112	COMPOSITE	3/16	5.0	TTG	U	1454	COMPOSITE	3/16	5.0	TTG	U
1113	ANSI ONLY	1/4	6.0	TTG	U	1455	COMPOSITE	1/4	6.0	TTG	U
<b>Prelco Inc. ; Riviere-du-Loup, QC</b>						1456	COMPOSITE	3/8	10.0	TTG	U
2034	COMPOSITE	1/8	3.0	TTG	U	1457	COMPOSITE	1/2	12.0	TTG	U
2035	COMPOSITE	5/32	4.0	TTG	U	1617	COMPOSITE	5/32	4.0	TPG (s)	U
2015	COMPOSITE	1/4	6.0	TTG	U	1618	COMPOSITE	3/16	4.8	TPG (s)	U
2048	COMPOSITE	1/2	12.0	TTG	U	<b>Swift Glass Co., Inc. ; Elmira Heights, NY</b>					
2037	COMPOSITE	1/4	6.0	LTG (b)	(.030) U	1555	COMPOSITE	1/8	3.0	TTG	U
<b>Republic Windows &amp; Doors Inc. ; Chicago, IL</b>						1556	COMPOSITE	3/16	5.0	TTG	U
2274	COMPOSITE	1/8	3.0	TTG	U	1557	COMPOSITE	1/4	6.0	TTG	U
2276	COMPOSITE	3/16	5.0	TTG	U	1558	COMPOSITE	3/8	10.0	TTG	U
2277	COMPOSITE	1/4	6.0	TTG	U	1559	COMPOSITE	1/2	12.0	TTG	U
2278	COMPOSITE	1/8	3.0	TPG (s)	U	<b>Tecnoglass ; Barranquilla, Columbia</b>					
<b>S &amp; S Glass Specialties Inc. ; Wauseon, OH</b>						2133	COMPOSITE	1/8	3.0	TTG	U
2183	COMPOSITE	1/8	3.0	TTG	U	2287	COMPOSITE	5/32	4.0	TTG	U
2184	ANSI ONLY	1/4	6.0	TTG	U	1993	COMPOSITE	3/16	5.0	TTG	U
<b>Shaw Glass Co. ; S. Easton, MA</b>						1994	COMPOSITE	1/4	6.0	TTG	U
1871	COMPOSITE	3/16	5.0	TTG	U	2134	COMPOSITE	5/16	8.0	TTG	U
1035	COMPOSITE	1/4	6.0	TTG	U	1995	COMPOSITE	3/8	10.0	TTG	U
1036	COMPOSITE	3/8	10.0	TTG	U	2135	COMPOSITE	1/2	12.0	TTG	U
1037	COMPOSITE	1/2	12.0	TTG	U	2365	COMPOSITE	5/8	15.0	TTG	U
1939	COMPOSITE	3/16	4.8	TPG (s)	U	<b>Tempered Glass Inc. ; Austell, GA</b>					
<b>Shin IL Safety Glass Co., Ltd. ; Kyung Gi-Do, Seoul, Korea</b>						862	COMPOSITE	3/16	5.0	TTG	U
2239	ANSI ONLY	1/4	6.0	LTG (b)	(.015) U	863	COMPOSITE	1/4	6.0	TTG	U
<b>Sovis North America, Inc. ; Madison, GA</b>						865	COMPOSITE	3/8	10.0	TTG	U
2351	COMPOSITE	5/32	4.0	TTG	U	866	COMPOSITE	1/2	12.0	TTG	U
2352	COMPOSITE	3/16	5.0	TTG	U	<b>Tempglass ; Miami, FL</b>					
2353	COMPOSITE	1/4	6.0	TTG	U	1744	COMPOSITE	3/16	5.0	TTG	U
2305	COMPOSITE	5/32	4.0	TBG	U	2241	COMPOSITE	1/4	6.0	TTG	U
2306	COMPOSITE	3/16	5.0	TBG	U	1745	COMPOSITE	1/4	6.0	TTG	U
2307	COMPOSITE	1/4	6.0	TBG	U	1746	COMPOSITE	3/8	10.0	TTG	U
<b>Sovis North America, Inc. ; Thierry, France</b>						1747	COMPOSITE	1/2	12.0	TTG	U
2248	COMPOSITE	1/4	6.0	TTG	U	<b>Tempglass ; Perrysburg, OH</b>					
1992	COMPOSITE	5/32	4.0	TBG	U	1039	COMPOSITE	1/8	3.0	TTG	U
1938	COMPOSITE	3/16	5.0	TBG	U	592	COMPOSITE	3/16	5.0	TTG	U
1864	COMPOSITE	1/4	6.0	TBG	U	1420	COMPOSITE	1/4	6.0	TTG	U
<b>Specialty Building Products ; New Westminster, BC</b>						594	COMPOSITE	3/8	10.0	TTG	U
2121	COMPOSITE	1/8	3.0	TTG	22x64	595	COMPOSITE	1/2	12.0	TTG	U
2309	COMPOSITE	3/16	5.0	TTG	22x64						

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SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED	SGCC#	TEST STD	INCH	(MM)	TYPE	MAX SIZE CERTIFIED
<b>Traco (Three Rivers Alum) ; Red Oak, IA</b>						<b>Westshore Glass ; Tampa, FL</b>					
1308	COMPOSITE	1/8	3.0	TTG	U	1970	COMPOSITE	1/8	3.0	TTG	U
1310	COMPOSITE	3/16	5.0	TTG	U	1971	COMPOSITE	5/32	4.0	TTG	U
1311	COMPOSITE	1/4	6.0	TTG	U	1972	COMPOSITE	3/16	5.0	TTG	U
<b>US Precision Glass ; Elgin, IL</b>						1973	COMPOSITE	1/4	6.0	TTG	U
1369	COMPOSITE	1/8	3.0	TTG	U	1978	COMPOSITE	3/8	10.0	TTG	U
1370	COMPOSITE	5/32	4.0	TTG	U	1974	COMPOSITE	1/2	12.0	TTG	U
1371	COMPOSITE	3/16	5.0	TTG	U						
1372	COMPOSITE	1/4	6.0	TTG	U						
1854	COMPOSITE	3/8	10.0	TTG	U						
<b>US Precision Glass ; Lewisburg, OH</b>						<b>CERTIFIED PRODUCTS KEY</b>					
1050	COMPOSITE	1/8	3.0	TTG	U	TTG = TEMPERED TRANSPARENT GLASS					
1452	COMPOSITE	5/32	4.0	TTG	U	TPG = TEMPERED PATTERNED GLASS					
185	COMPOSITE	3/16	5.0	TTG	U	TBG = TEMPERED BENT GLASS					
186	COMPOSITE	1/4	6.0	TTG	U	TBP = TEMPERED BENT PATTERNED GLASS					
2327	COMPOSITE	3/8	10.0	TTG	U	LTG = LAMINATED TRANSPARENT GLASS					
654	ANSI ONLY	1/8	3.0	TPG (m)	U	LPG = LAMINATED PATTERNED GLASS					
188	ANSI ONLY	3/16	4.8	TPG (s)	U	LSP = LAMINATED SPECIALTY PRODUCTS					
328	ANSI ONLY	3/16	4.8	TPG (d)	U	OCG = ORGANIC COATED GLASS					
<b>Vidrio Plano de Mexico SA de CV ; Mexico City, Mexico</b>						OCH = ORGANIC COATED GLASS HYBRID					
2369	COMPOSITE	1/8	3.0	TTG	U	SPS = SAFETY PLASTIC SHEET					
2370	COMPOSITE	5/32	4.0	TTG	U	U = UNLIMITED SIZE CATEGORY					
2371	COMPOSITE	3/16	5.0	TTG	U	(s) = SHALLOW PATTERN					
2372	COMPOSITE	1/4	6.0	TTG	U	(m) = MEDIUM PATTERN					
2373	COMPOSITE	3/8	10.0	TTG	U	(d) = DEEP PATTERN					
2374	COMPOSITE	1/2	12.0	TTG	U	(b) = POLY VINYL BUTRAL INTERLAYER					
<b>Vidrio Saint Gobain de Mexico ; Morelos, Mexico</b>						(l) = LIQUID RESIN INTERLAYER					
2366	COMPOSITE	3/16	5.7	LTG (b)	(.030) U	(p) = POLYETHYLENE TEPHTHALATE					
2333	COMPOSITE	1/4	6.0	LTG (b)	(.076) U	(f) = FLUORINATED ETHYLENE PROPYLENE INTERLAYER					
2269	ANSI ONLY	1/4	6.0	LTG (b)	(.015) U	(c1) = CPSC CAT 1 ONLY					
2332	COMPOSITE	5/16	8.0	LTG (b)	(.076) U						
2268	ANSI ONLY	5/16	8.0	LTG (b)	(.015) U						
2267	ANSI ONLY	3/8	10.0	LTG (b)	(.015) U						
2265	ANSI ONLY	1/2	12.0	LTG (b)	(.030) U						
<b>Viracon Inc. ; Owatonna, MN</b>											
1403	COMPOSITE	3/16	5.0	TTG	U						
1404	COMPOSITE	1/4	6.0	TTG	U						
1508	COMPOSITE	3/8	10.0	TTG	U						
1509	COMPOSITE	1/2	12.0	TTG	U						
1637	COMPOSITE	3/16	4.8	LTG (b)	(.030) U						
<b>Viracon, Inc. ; Statesboro, GA</b>											
2314	COMPOSITE	3/16	5.0	TTG	U						
2310	COMPOSITE	1/4	6.0	TTG	U						
2311	COMPOSITE	3/8	10.0	TTG	U						
2364	COMPOSITE	1/4	6.0	LTG (b)	(.030) U						
<b>Virginia Glass Products Corp. ; Martinsville, VA</b>											
2302	COMPOSITE	1/8	3.0	TTG	U						
12	COMPOSITE	3/16	5.0	TTG	U						
14	COMPOSITE	1/4	6.0	TTG	U						
93	COMPOSITE	3/8	10.0	TTG	U						
94	COMPOSITE	1/2	12.0	TTG	U						
2182	COMPOSITE	5/8	15.0	TTG	U						
95	COMPOSITE	3/4	19.0	TTG	U						
<b>Vitrierie April Inc. ; Montreal, QC</b>											
1996	COMPOSITE	1/8	3.0	TTG	U						
1997	COMPOSITE	3/16	5.0	TTG	U						
2062	COMPOSITE	1/2	12.0	TTG	U						
2063	COMPOSITE	5/8	15.0	TTG	U						

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*Certified Products-By Product Type*

		<u>SGCC #</u>		<u>Lab ID</u>	<u>Max Size Certified</u>
<b><u>Tempered Transparent Glass</u></b>					
<i>3/32 Inch Tempered Transparent Glass</i>					
Summit Window & Patio Door	Yakima, WA	2066	COMPOSITE	750	U
<i>1/8 Inch Tempered Transparent Glass</i>					
ACI Distribution	Dallas, TX	1919	COMPOSITE	550	U
AFG Inds. Inc.-CA	Victorville, CA	1664	COMPOSITE	250	U
AFG Inds. Inc.-KS	Spring Hill, KS	1702	COMPOSITE	500	U
AFG Inds. Inc.-TN	Kingsport, TN	1390	COMPOSITE	300	U
AFG Inds. Inc.-TN	Greenland, TN	598	COMPOSITE	300	U
AFG Inds. Inc.-WV	Bridgeport, WV	1436	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	Concord, ON	1485	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	London, ON	1872	COMPOSITE	400	U
AFGD-MA	Fall River, MA	1518	COMPOSITE	400	U
American Flat Glass Dist.	Richmond, VA	2016	COMPOSITE	100	U
American Flat Glass Dist.	Marietta, GA	1405	COMPOSITE	300	U
American Flat Glass Dist.	Alvarado, TX	1708	COMPOSITE	550	U
American Flat Glass Dist.	Hebron, OH	2196	COMPOSITE	200	U
Ardco Inc.	Chicago, IL	1041	COMPOSITE	150	U
Berkowitz, J.E.	Westville, NJ	1989	COMPOSITE	100	U
Bronco Industries Inc.	Delta, BC	2242	ANSI ONLY	750	U
Cardinal CG	Northfield, MN	1985	CPSC ONLY	150	U
Cardinal CG	Buford, GA	1921	COMPOSITE	300	U
Cardinal CG	Spring Green, WI	2067	CPSC ONLY	500	U
Cardinal CG	Tumwater, WA	2007	CPSC ONLY	750	U
Cardinal IG	Greenfield, IA	1827	CPSC ONLY	500	U
Cardinal IG	Fremont, IN	2176	CPSC ONLY	200	U
Cardinal IG	Fargo, ND	2235	COMPOSITE	150	U
Cardinal IG	Spring Green, WI	1831	CPSC ONLY	500	U
Cardinal TG	Tomah, WI	1804	COMPOSITE	500	U
Cardinal TG	Moreno Valley, CA	2293	CPSC ONLY	125	U
Cheil Glass Industrial Co., Inc.	Inchon City, Korea	2279	COMPOSITE	285	U
Coastal Glass Distributors	Charleston, SC	2101	COMPOSITE	300	U
Commercial Insulating Glass Co.	Sarasota, FL	1889	COMPOSITE	300	31x76
Consolidated Glass Corp.	New Castle, PA	1998	COMPOSITE	400	U
Contour Industries Inc.	Surgoinsville, TN	1680	COMPOSITE	300	18x76
Coolidge Glass, Inc.	Waukesha, WI	2250	COMPOSITE	150	U
Coraglass Inc.	Reform, AL	1908	COMPOSITE	300	U
Craftsman Tempered Glass; Div.of Gla	Houston, TX	2335	COMPOSITE	550	U
D & S Insulated Glass	Dallas, TX	1653	COMPOSITE	550	U
D & W, Incorporated	Elkhart, IN	2027	COMPOSITE	200	28x42
Dong Sung Glass Co., Ltd.	Inchon, Korea	2230	ANSI ONLY	250	U
Downey Glass	Los Angeles, CA	1608	COMPOSITE	125	U
Edge Seal Technologies	Walton Hills, OH	2050	COMPOSITE	200	U
Floral Glass & Mirror	Hauppauge, NY	1546	COMPOSITE	400	U
Four Seasons Solar Products	Holbrook, NY	1791	COMPOSITE	400	U
Gemtron-Sweetwater	Sweetwater, TN	1334	COMPOSITE	300	U
Glass, Inc.	Englewood, CO	2185	COMPOSITE	250	U
Guardian Fabrication Inc.	Millbury, OH	1574	ANSI ONLY	200	U
Guardian Fabrication Inc.	Webster, MA	300	ANSI ONLY	100	U
Guardian Fabrication Inc.	Rogers, AR	1355	ANSI ONLY	550	U
Guardian Inds. Corp.	Geneva, NY	2259	ANSI ONLY	400	U

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*Certified Products-By Product Type*

SGCC #

Lab ID

Max Size  
Certified

*1/8 Inch Tempered Transparent Glass*

Guardian Inds. Corp.	Carleton, MI	933	ANSI ONLY	200	U
Guardian Inds. Corp.	Kingsburg, CA	968	ANSI ONLY	125	U
Guardian Inds. Corp.	Dewitt, IA	2020	ANSI ONLY	500	U
Guardian Inds. Corp.	Ft. Lauderdale, FL	1161	ANSI ONLY	300	U
Guardian Inds. Corp.	Richburg, SC	1630	ANSI ONLY	300	U
Guardian Inds. Corp.	Tillsonburg, ON	1462	ANSI ONLY	400	U
Guardian Inds. Corp.	Corsicana, TX	1248	ANSI ONLY	550	U
Guardian Inds. Corp.	Lewistown, PA	1627	ANSI ONLY	400	U
Guardian Walled Lake Fab.	Walled Lake, MI	1885	ANSI ONLY	200	U
Hoffer's Inc.	Schofield, WI	1595	COMPOSITE	150	U
Hoffer's/Glassmont Corp.	Indianapolis, IN	2210	COMPOSITE	150	U
Marvin Windows	Warroad, MN	1689	COMPOSITE	150	U
Mid Ohio Tempering	Columbus, OH	2156	COMPOSITE	200	U
Nashville Tempered Glass Corp.	Nashville, TN	1416	COMPOSITE	200	U
New Anthony, Inc.	San Fernando, CA	520	ANSI ONLY	250	U
Patio Enclosures Inc.	Macedonia, OH	2056	COMPOSITE	200	U
PDC Glass of Michigan Inc.	Plymouth, MI	2217	COMPOSITE	400	U
Perilstein Distribution Corp.	Cheswick, PA	1784	COMPOSITE	400	U
PPG Inds. Inc.	Carlisle, PA	250	COMPOSITE	400	U
PPG Inds. Inc.	Fresno, CA	295	COMPOSITE	125	U
PPG Inds. Inc.	Burlington, IA	1605	COMPOSITE	500	U
PPG Inds. Inc.	Witchita Falls, TX	1110	COMPOSITE	550	U
Prelco Inc.	Riviere-du-Loup, QC	2034	COMPOSITE	400	U
Republic Windows & Doors Inc.	Chicago, IL	2274	COMPOSITE	500	U
S & S Glass Specialties Inc.	Wauseon, OH	2183	COMPOSITE	200	U
Specialty Building Products	New Westminster, BC	2121	COMPOSITE	750	22x64
Sterling Plumbing Group	Union City, TN	1979	COMPOSITE	550	U
Summit Window & Patio Door	Yakima, WA	1799	COMPOSITE	750	U
Sunbelt Glass Inc.	Tulsa, OK	1453	COMPOSITE	550	U
Swift Glass Co., Inc.	Elmira Heights, NY	1555	COMPOSITE	400	U
Tecnoglass	Barranquilla, Columbia	2133	COMPOSITE	285	U
Tempglass	Perrysburg, OH	1039	COMPOSITE	200	U
Traco (Three Rivers Alum)	Red Oak, IA	1308	COMPOSITE	150	U
US Precision Glass	Lewisburg, OH	1050	COMPOSITE	200	U
US Precision Glass	Elgin, IL	1369	COMPOSITE	200	U
Vidrio Plano de Mexico SA de CV	Mexico City, Mexico	2369	COMPOSITE	125	U
Virginia Glass Products Corp.	Martinsville, VA	2302	COMPOSITE	285	U
Vitrierie April Inc.	Montreal, QC	1996	COMPOSITE	400	U
Westshore Glass	Tampa, FL	1970	COMPOSITE	300	U

*5/32 Inch Tempered Transparent Glass*

AFG Inds. Inc.-CA	Victorville, CA	1641	COMPOSITE	250	U
AFG Inds. Inc.-KS	Spring Hill, KS	1703	COMPOSITE	500	U
AFG Inds. Inc.-TN	Greenland, TN	955	COMPOSITE	300	U
AFG Inds. Inc.-TN	Kingsport, TN	949	COMPOSITE	300	U
AFG Inds. Inc.-WV	Bridgeport, WV	1624	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	Concord, ON	1486	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	London, ON	1873	COMPOSITE	400	U
All Team Glass & Mirror Ltd.	Woodbridge, ON	1754	COMPOSITE	400	U
American Flat Glass Dist.	Richmond, VA	2297	COMPOSITE	100	U
American Flat Glass Dist.	Marietta, GA	1967	COMPOSITE	300	U

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*Certified Products-By Product Type*

				<u>Lab ID</u>	<u>Max Size Certified</u>
				<u>SGCC #</u>	
<i>5/32 Inch Tempered Transparent Glass</i>					
American Flat Glass Dist.	Hebron, OH	2284	COMPOSITE	200	U
Bronco Industries Inc.	Delta, BC	2243	ANSI ONLY	750	U
Cardinal CG	Northfield, MN	1986	CPSC ONLY	150	U
Cardinal CG	Spring Green, WI	2068	CPSC ONLY	500	U
Cardinal CG	Tumwater, WA	2008	CPSC ONLY	750	U
Cardinal CG	Buford, GA	1922	COMPOSITE	300	U
Cardinal IG	Fremont, IN	2177	CPSC ONLY	200	U
Cardinal IG	Fargo, ND	2234	COMPOSITE	150	U
Cardinal IG	Greenfield, IA	1828	CPSC ONLY	500	U
Cardinal IG	Spring Green, WI	1832	CPSC ONLY	500	U
Cardinal TG	Moreno Valley, CA	2294	CPSC ONLY	125	U
Cardinal TG	Tomah, WI	1805	COMPOSITE	500	U
Cheil Glass Industrial Co., Inc.	Inchon City, Korea	2280	COMPOSITE	285	U
Coastal Glass Distributors	Charleston, SC	2102	COMPOSITE	300	U
Consolidated Glass Corp.	New Castle, PA	1999	COMPOSITE	400	U
Coolidge Glass, Inc.	Waukesha, WI	2253	COMPOSITE	150	U
Coraglass Inc.	Reform, AL	1909	COMPOSITE	300	U
D & S Insulated Glass	Dallas, TX	1654	COMPOSITE	550	U
D & W, Incorporated	Elkhart, IN	2028	COMPOSITE	200	28x42
Downey Glass	Los Angeles, CA	1609	COMPOSITE	125	U
Edge Seal Technologies	Walton Hills, OH	2051	COMPOSITE	200	U
Espejos Nacionales S.A. de C.V.	Santa Catarina, Mexico	2349	ANSI ONLY	400	U
Gemtron-Sweetwater	Sweetwater, TN	1332	COMPOSITE	300	U
Guardian Fabrication Inc.	Rogers, AR	1616	ANSI ONLY	550	U
Guardian Fabrication Inc.	Millbury, OH	1575	ANSI ONLY	200	U
Guardian Fabrication Inc.	Webster, MA	1607	ANSI ONLY	100	U
Guardian Inds. Corp.	Carleton, MI	934	ANSI ONLY	200	U
Guardian Inds. Corp.	Kingsburg, CA	969	ANSI ONLY	125	U
Guardian Inds. Corp.	Geneva, NY	2260	ANSI ONLY	400	U
Guardian Inds. Corp.	Lewistown, PA	1866	ANSI ONLY	400	U
Guardian Inds. Corp.	Corsicana, TX	1249	ANSI ONLY	550	U
Guardian Inds. Corp.	Dewitt, IA	2021	ANSI ONLY	500	U
Guardian Inds. Corp.	Richburg, SC	1631	ANSI ONLY	300	U
Guardian Walled Lake Fab.	Walled Lake, MI	2140	ANSI ONLY	200	U
Hoffer's Inc.	Schofield, WI	1862	COMPOSITE	150	U
Hoffer's/Glassmont Corp.	Indianapolis, IN	2216	COMPOSITE	150	U
Marvin Windows	Warroad, MN	1723	COMPOSITE	150	U
New Anthony, Inc.	San Fernando, CA	2289	ANSI ONLY	250	U
Patio Enclosures Inc.	Macedonia, OH	2057	COMPOSITE	200	U
PPG Inds. Inc.	Burlington, IA	1606	COMPOSITE	500	U
PPG Inds. Inc.	Fresno, CA	676	COMPOSITE	125	U
PPG Inds. Inc.	Carlisle, PA	675	COMPOSITE	400	U
PPG Inds. Inc.	Witchita Falls, TX	1111	COMPOSITE	550	U
Prelco Inc.	Riviere-du-Loup, QC	2035	COMPOSITE	400	U
Sovis North America, Inc.	Madison, GA	2351	COMPOSITE	400	U
Sterling Plumbing Group	Union City, TN	1980	COMPOSITE	550	U
Sunbelt Glass Inc.	Tulsa, OK	1870	COMPOSITE	550	U
Tecnoglass	Barranquilla, Columbia	2287	COMPOSITE	285	U
US Precision Glass	Elgin, IL	1370	COMPOSITE	200	U
US Precision Glass	Lewisburg, OH	1452	COMPOSITE	200	U
Vidrio Plano de Mexico SA de CV	Mexico City, Mexico	2370	COMPOSITE	125	U

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*Certified Products-By Product Type*

				<u>Lab ID</u>	<u>Max Size Certified</u>
				<u>SGCC #</u>	
<i>5/32 Inch Tempered Transparent Glass</i>					
Westshore Glass	Tampa, FL	1971	COMPOSITE	300	U
<i>3/16 Inch Tempered Transparent Glass</i>					
ACI Distribution	Dallas, TX	400	COMPOSITE	550	U
ACI Distribution	Santa Clara, CA	2367	COMPOSITE	250	U
ACI Distribution	Greensboro, NC	1642	COMPOSITE	300	U
ACI Distribution	Santa Fe Springs, CA	1157	COMPOSITE	250	U
AFG Inds. Inc.-CA	Victorville, CA	1663	COMPOSITE	250	U
AFG Inds. Inc.-KS	Spring Hill, KS	1704	COMPOSITE	500	U
AFG Inds. Inc.-TN	Greenland, TN	220	COMPOSITE	300	U
AFG Inds. Inc.-TN	Kingsport, TN	28	COMPOSITE	300	U
AFG Inds. Inc.-WV	Bridgeport, WV	1795	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	London, ON	1874	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	Concord, ON	1945	COMPOSITE	400	U
AFGD-MA	Fall River, MA	1519	COMPOSITE	400	U
All Team Glass & Mirror Ltd.	Woodbridge, ON	1755	COMPOSITE	400	U
American Flat Glass Dist.	Richmond, VA	2316	COMPOSITE	100	U
American Flat Glass Dist.	Alvarado, TX	1709	COMPOSITE	550	U
American Flat Glass Dist.	Marietta, GA	1230	COMPOSITE	300	U
American Flat Glass Dist.	Hebron, OH	2197	COMPOSITE	200	U
Ardco Inc.	Chicago, IL	1042	COMPOSITE	150	U
Bronco Industries Inc.	Delta, BC	2244	ANSI ONLY	750	U
Cardinal CG	Buford, GA	1923	COMPOSITE	300	U
Cardinal CG	Tumwater, WA	2009	CPSC ONLY	750	U
Cardinal CG	Spring Green, WI	2069	CPSC ONLY	500	U
Cardinal CG	Northfield, MN	1987	CPSC ONLY	150	U
Cardinal IG	Greenfield, IA	1829	CPSC ONLY	500	U
Cardinal IG	Fremont, IN	2178	CPSC ONLY	200	U
Cardinal IG	Spring Green, WI	1833	CPSC ONLY	500	U
Cardinal IG	Fargo, ND	2233	COMPOSITE	150	U
Cardinal TG	Tomah, WI	1806	COMPOSITE	500	U
Cardinal TG	Moreno Valley, CA	2295	CPSC ONLY	125	U
Cheil Glass Industrial Co., Inc.	Inchon City, Korea	2281	COMPOSITE	285	U
Coastal Glass Distributors	Charleston, SC	2103	COMPOSITE	300	U
Colonial Mirror & Glass Corp.	Brooklyn, NY	2237	COMPOSITE	400	U
Commercial Insulating Glass Co.	Sarasota, FL	1890	COMPOSITE	300	31x76
Consolidated Glass Corp.	New Castle, PA	2005	COMPOSITE	400	U
Contour Industries Inc.	Surgoinsville, TN	1678	COMPOSITE	300	18x76
Coolidge Glass, Inc.	Waukesha, WI	2251	COMPOSITE	150	U
Coraglass Inc.	Reform, AL	1910	COMPOSITE	300	U
D & S Insulated Glass	Dallas, TX	1655	COMPOSITE	550	U
D & W, Incorporated	Elkhart, IN	2029	COMPOSITE	200	28x42
Dong Sung Glass Co., Ltd.	Inchon, Korea	2298	COMPOSITE	250	U
Downey Glass	Los Angeles, CA	630	COMPOSITE	125	U
Edge Seal Technologies	Walton Hills, OH	2052	COMPOSITE	200	U
Efco Corp.	Monett, MO	1901	COMPOSITE	150	U
Espejos Nacionales S.A. de C.V.	Santa Catarina, Mexico	2350	ANSI ONLY	400	U
Floral Glass & Mirror	Hauppauge, NY	1547	COMPOSITE	400	U
Gemtron-Sweetwater	Sweetwater, TN	1201	COMPOSITE	300	U
GGI Glass Distributors Corp.	Ronkonkoma, NY	2226	COMPOSITE	400	U
Glass, Inc.	Englewood, CO	2186	COMPOSITE	250	U

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				<u>Lab ID</u>	<u>Max Size Certified</u>
				<u>SGCC #</u>	
<i>3/16 Inch Tempered Transparent Glass</i>					
Guardian Fabrication Inc.	Rogers, AR	1356	ANSI ONLY	550	U
Guardian Fabrication Inc.	Millbury, OH	1576	ANSI ONLY	200	U
Guardian Fabrication Inc.	Webster, MA	1216	ANSI ONLY	100	U
Guardian Inds. Corp.	Ft. Lauderdale, FL	633	ANSI ONLY	300	U
Guardian Inds. Corp.	Kingsburg, CA	970	ANSI ONLY	125	U
Guardian Inds. Corp.	Geneva, NY	2261	ANSI ONLY	400	U
Guardian Inds. Corp.	Dewitt, IA	2022	ANSI ONLY	500	U
Guardian Inds. Corp.	Carleton, MI	631	ANSI ONLY	200	U
Guardian Inds. Corp.	Lewistown, PA	1628	ANSI ONLY	400	U
Guardian Inds. Corp.	Richburg, SC	1632	ANSI ONLY	300	U
Guardian Inds. Corp.	Corsicana, TX	1250	ANSI ONLY	550	U
Guardian Walled Lake Fab.	Walled Lake, MI	2141	ANSI ONLY	200	U
Hoffer's Inc.	Schofield, WI	1596	COMPOSITE	150	U
Hoffer's/Glassmont Corp.	Indianapolis, IN	2211	COMPOSITE	150	U
Interpane Glass Company	Clinton, NC	1073	COMPOSITE	400	U
Interpane Glass Company	Deerfield, WI	2042	COMPOSITE	975	U
Laminated Glass Corp.	Telford, PA	2014	COMPOSITE	100	U
Marvin Windows	Warroad, MN	1690	COMPOSITE	150	U
Mid Ohio Tempering	Columbus, OH	2170	COMPOSITE	200	U
Nashville Tempered Glass Corp.	Nashville, TN	1467	COMPOSITE	200	U
New Anthony, Inc.	San Fernando, CA	999	ANSI ONLY	250	U
Patio Enclosures Inc.	Macedonia, OH	2058	COMPOSITE	200	U
PDC Glass of Michigan Inc.	Plymouth, MI	2218	COMPOSITE	400	U
Perilstein Distribution Corp.	Cheswick, PA	1785	COMPOSITE	400	U
PPG Inds. Inc.	Burlington, IA	1603	COMPOSITE	500	U
PPG Inds. Inc.	Witchita Falls, TX	1112	COMPOSITE	550	U
PPG Inds. Inc.	Carlisle, PA	249	COMPOSITE	400	U
PPG Inds. Inc.	Fresno, CA	64	COMPOSITE	125	U
Republic Windows & Doors Inc.	Chicago, IL	2276	COMPOSITE	500	U
Shaw Glass Co.	S. Easton, MA	1871	COMPOSITE	400	U
Sovis North America, Inc.	Madison, GA	2352	COMPOSITE	400	U
Specialty Building Products	New Westminster, BC	2309	COMPOSITE	750	22x64
Sterling Plumbing Group	Union City, TN	1981	COMPOSITE	550	U
Summit Window & Patio Door	Yakima, WA	1800	COMPOSITE	750	U
Sunbelt Glass Inc.	Tulsa, OK	1454	COMPOSITE	550	U
Swift Glass Co., Inc.	Elmira Heights, NY	1556	COMPOSITE	400	U
Tecnoglass	Barranquilla, Columbia	1993	COMPOSITE	285	U
Tempered Glass Inc.	Austell, GA	862	COMPOSITE	300	U
Tempglass	Miami, FL	1744	COMPOSITE	285	U
Tempglass	Perrysburg, OH	592	COMPOSITE	200	U
Traco (Three Rivers Alum)	Red Oak, IA	1310	COMPOSITE	150	U
US Precision Glass	Lewisburg, OH	185	COMPOSITE	200	U
US Precision Glass	Elgin, IL	1371	COMPOSITE	200	U
Vidrio Plano de Mexico SA de CV	Mexico City, Mexico	2371	COMPOSITE	125	U
Viracon Inc.	Owatonna, MN	1403	COMPOSITE	150	U
Viracon, Inc.	Statesboro, GA	2314	COMPOSITE	100	U
Virginia Glass Products Corp.	Martinsville, VA	12	COMPOSITE	285	U
Vitrierie April Inc.	Montreal, QC	1997	COMPOSITE	400	U
Westshore Glass	Tampa, FL	1972	COMPOSITE	300	U

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*Certified Products-By Product Type*

		<u>SGCC #</u>		<u>Lab ID</u>	<u>Max Size Certified</u>
<i>1/4 Inch Tempered Transparent Glass</i>					
ACI Distribution	Santa Clara, CA	1496	COMPOSITE	250	U
ACI Distribution	Santa Fe Springs, CA	1535	COMPOSITE	250	U
ACI Distribution	Dallas, TX	402	COMPOSITE	550	U
ACI Distribution	Greensboro, NC	1643	COMPOSITE	300	U
AFG Inds. Inc.-CA	Victorville, CA	1925	COMPOSITE	250	U
AFG Inds. Inc.-KS	Spring Hill, KS	1705	COMPOSITE	500	U
AFG Inds. Inc.-TN	Kingsport, TN	24	COMPOSITE	300	U
AFG Inds. Inc.-TN	Greenland, TN	89	COMPOSITE	300	U
AFG Inds. Inc.-WV	Bridgeport, WV	1794	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	Concord, ON	1489	COMPOSITE	400	U
AFGD, Div. of AFG Inds. Ltd.	London, ON	1875	COMPOSITE	400	U
AFGD-MA	Fall River, MA	1520	COMPOSITE	400	U
All Team Glass & Mirror Ltd.	Woodbridge, ON	1756	COMPOSITE	400	U
American Flat Glass Dist.	Alvarado, TX	1710	COMPOSITE	550	U
American Flat Glass Dist.	Richmond, VA	1957	COMPOSITE	100	U
American Flat Glass Dist.	Marietta, GA	1231	COMPOSITE	300	U
American Flat Glass Dist.	Hebron, OH	2198	COMPOSITE	200	U
Ardco Inc.	Chicago, IL	2263	COMPOSITE	150	U
Berkowitz, J.E.	Westville, NJ	1990	COMPOSITE	100	U
Bronco Industries Inc.	Delta, BC	2245	ANSI ONLY	750	U
Cardinal CG	Buford, GA	1924	COMPOSITE	300	U
Cardinal CG	Tumwater, WA	2010	CPSC ONLY	750	U
Cardinal CG	Spring Green, WI	2070	CPSC ONLY	500	U
Cardinal CG	Northfield, MN	1988	CPSC ONLY	150	U
Cardinal IG	Fremont, IN	2179	CPSC ONLY	200	U
Cardinal IG	Spring Green, WI	1834	CPSC ONLY	500	U
Cardinal IG	Greenfield, IA	1830	CPSC ONLY	500	U
Cardinal IG	Fargo, ND	2232	COMPOSITE	150	U
Cardinal TG	Moreno Valley, CA	2296	CPSC ONLY	125	U
Cardinal TG	Tomah, WI	1807	COMPOSITE	500	U
Coastal Glass Distributors	Charleston, SC	2104	COMPOSITE	300	U
Colonial Mirror & Glass Corp.	Brooklyn, NY	1847	COMPOSITE	400	U
Commercial Insulating Glass Co.	Sarasota, FL	1891	COMPOSITE	300	31x76
Consolidated Glass Corp.	New Castle, PA	2002	COMPOSITE	400	U
Contour Industries Inc.	Surgoinsville, TN	1677	COMPOSITE	300	18x76
Coolidge Glass, Inc.	Waukesha, WI	2252	COMPOSITE	150	U
Coraglass Inc.	Reform, AL	1911	COMPOSITE	300	U
Craftsman Tempered Glass; Div. of Gla	Houston, TX	2337	COMPOSITE	550	U
D & S Insulated Glass	Dallas, TX	1656	COMPOSITE	550	U
D & W, Incorporated	Elkhart, IN	2030	COMPOSITE	200	28x42
Downey Glass	Los Angeles, CA	514	COMPOSITE	125	U
Edge Seal Technologies	Walton Hills, OH	2055	COMPOSITE	200	U
Efco Corp.	Monett, MO	1902	COMPOSITE	150	U
Espejos Nacionales S.A. de C.V.	Santa Catarina, Mexico	2343	ANSI ONLY	400	U
Floral Glass & Mirror	Hauppauge, NY	1548	COMPOSITE	400	U
Gemtron-Sweetwater	Sweetwater, TN	1477	COMPOSITE	300	U
GGI Glass Distributors Corp.	Ronkonkoma, NY	2227	COMPOSITE	400	U
Glass, Inc.	Englewood, CO	2187	COMPOSITE	250	U
Guardian Fabrication Inc.	Millbury, OH	1577	ANSI ONLY	200	U
Guardian Fabrication Inc.	Webster, MA	662	ANSI ONLY	100	U
Guardian Fabrication Inc.	Rogers, AR	1357	ANSI ONLY	550	U

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*Certified Products-By Product Type*

			<u>SGCC #</u>	<u>Lab ID</u>	<u>Max Size Certified</u>
<i>1/4 Inch Tempered Transparent Glass</i>					
Guardian Inds. Corp.	Geneva, NY	2262	ANSI ONLY	400	U
Guardian Inds. Corp.	Richburg, SC	1633	ANSI ONLY	300	U
Guardian Inds. Corp.	Carleton, MI	131	ANSI ONLY	200	U
Guardian Inds. Corp.	Ft. Lauderdale, FL	40	ANSI ONLY	300	U
Guardian Inds. Corp.	Kingsburg, CA	971	ANSI ONLY	125	U
Guardian Inds. Corp.	Corsicana, TX	1251	ANSI ONLY	550	U
Guardian Inds. Corp.	Dewitt, IA	2023	ANSI ONLY	500	U
Guardian Inds. Corp.	Lewistown, PA	1629	ANSI ONLY	400	U
Guardian Walled Lake Fab.	Walled Lake, MI	2142	ANSI ONLY	200	U
Hoffer's Inc.	Schofield, WI	1597	COMPOSITE	150	U
Hoffer's/Glassmont Corp.	Indianapolis, IN	2212	COMPOSITE	150	U
Interpane Glass Company	Clinton, NC	1074	COMPOSITE	400	U
Interpane Glass Company	Deerfield, WI	2043	COMPOSITE	975	U
Laminated Glass Corp.	Telford, PA	1879	COMPOSITE	100	U
Marvin Windows	Warroad, MN	1691	COMPOSITE	150	U
Mid Ohio Tempering	Columbus, OH	2157	COMPOSITE	200	U
Milgard Tempering Inc.	Tacoma, WA	1578	COMPOSITE	750	U
Nashville Tempered Glass Corp.	Nashville, TN	1417	COMPOSITE	200	U
New Anthony, Inc.	San Fernando, CA	1000	ANSI ONLY	250	U
North American Glass	Bensenville, IL	1382	COMPOSITE	200	U
Patio Enclosures Inc.	Macedonia, OH	2059	COMPOSITE	200	U
PDC Glass of Michigan Inc.	Plymouth, MI	2219	COMPOSITE	400	U
Perilstein Distribution Corp.	Cheswick, PA	1786	COMPOSITE	400	U
PPG Inds. Inc.	Carlisle, PA	382	ANSI ONLY	400	U
PPG Inds. Inc.	Burlington, IA	1604	COMPOSITE	500	U
PPG Inds. Inc.	Wichita Falls, TX	1113	ANSI ONLY	550	U
Prelco Inc.	Riviere-du-Loup, QC	2015	COMPOSITE	400	U
Republic Windows & Doors Inc.	Chicago, IL	2277	COMPOSITE	500	U
S & S Glass Specialties Inc.	Wauseon, OH	2184	ANSI ONLY	200	U
Shaw Glass Co.	S. Easton, MA	1035	COMPOSITE	400	U
Sovis North America, Inc.	Madison, GA	2353	COMPOSITE	400	U
Sovis North America, Inc.	Thierry, France	2248	COMPOSITE	400	U
Sterling Plumbing Group	Union City, TN	1982	COMPOSITE	550	U
Summit Window & Patio Door	Yakima, WA	1801	COMPOSITE	750	U
Sunbelt Glass Inc.	Tulsa, OK	1455	COMPOSITE	550	U
Swift Glass Co., Inc.	Elmira Heights, NY	1557	COMPOSITE	400	U
Tecnoglass	Barranquilla, Columbia	1994	COMPOSITE	285	U
Tempered Glass Inc.	Austell, GA	863	COMPOSITE	300	U
Tempglass	Miami, FL	1745	COMPOSITE	285	U
Tempglass	Miami, FL	2241	COMPOSITE	285	U
Tempglass	Perrysburg, OH	1420	COMPOSITE	200	U
Traco (Three Rivers Alum)	Red Oak, IA	1311	COMPOSITE	150	U
US Precision Glass	Elgin, IL	1372	COMPOSITE	200	U
US Precision Glass	Lewisburg, OH	186	COMPOSITE	200	U
Vidrio Plano de Mexico SA de CV	Mexico City, Mexico	2372	COMPOSITE	125	U
Viracon Inc.	Owatonna, MN	1404	COMPOSITE	150	U
Viracon, Inc.	Statesboro, GA	2310	COMPOSITE	100	U
Virginia Glass Products Corp.	Martinsville, VA	14	COMPOSITE	285	U
Westshore Glass	Tampa, FL	1973	COMPOSITE	300	U

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*Certified Products-By Product Type*

		<u>SGCC #</u>		<u>Lab ID</u>	<u>Max Size Certified</u>
<i>5/16 Inch Tempered Transparent Glass</i>					
Espejos Nacionales S.A. de C.V.	Santa Catarina, Mexico	2344	ANSI ONLY	400	U
Guardian Inds. Corp.	Corsicana, TX	1826	ANSI ONLY	550	U
Interpane Glass Company	Deerfield, WI	2044	COMPOSITE	975	U
Interpane Glass Company	Clinton, NC	1075	COMPOSITE	400	U
Tecnoglass	Barranquilla, Columbia	2134	COMPOSITE	285	U
<i>3/8 Inch Tempered Transparent Glass</i>					
ACI Distribution	Greensboro, NC	1644	COMPOSITE	300	U
ACI Distribution	Santa Clara, CA	1497	COMPOSITE	250	U
ACI Distribution	Dallas, TX	1107	COMPOSITE	550	U
ACI Distribution	Santa Fe Springs, CA	1179	COMPOSITE	250	U
AFG Inds. Inc.-TN	Greenland, TN	90	COMPOSITE	300	U
AFGD-MA	Fall River, MA	1521	COMPOSITE	400	U
All Team Glass & Mirror Ltd.	Woodbridge, ON	1757	COMPOSITE	400	U
American Flat Glass Dist.	Marietta, GA	1232	COMPOSITE	300	U
American Flat Glass Dist.	Alvarado, TX	1711	COMPOSITE	550	U
American Flat Glass Dist.	Hebron, OH	2199	COMPOSITE	200	U
American Flat Glass Dist.	Richmond, VA	1958	COMPOSITE	100	U
Bronco Industries Inc.	Delta, BC	2246	ANSI ONLY	750	U
Colonial Mirror & Glass Corp.	Brooklyn, NY	1848	COMPOSITE	400	U
Consolidated Glass Corp.	New Castle, PA	2003	COMPOSITE	400	U
Coolidge Glass, Inc.	Waukesha, WI	2254	COMPOSITE	150	U
Coraglass Inc.	Reform, AL	2144	COMPOSITE	300	U
Craftsman Tempered Glass; Div.of Gla	Houston, TX	2338	COMPOSITE	550	U
D & S Insulated Glass	Dallas, TX	1657	COMPOSITE	550	U
Dong Sung Glass Co., Ltd.	Inchon, Korea	2299	COMPOSITE	250	U
Downey Glass	Los Angeles, CA	515	COMPOSITE	125	U
Espejos Nacionales S.A. de C.V.	Santa Catarina, Mexico	2345	ANSI ONLY	400	U
Floral Glass & Mirror	Hauppauge, NY	1549	COMPOSITE	400	U
GGI Glass Distributors Corp.	Ronkonkoma, NY	2282	COMPOSITE	400	U
Glass, Inc.	Englewood, CO	2188	COMPOSITE	250	U
Guardian Fabrication Inc.	Webster, MA	471	ANSI ONLY	100	U
Guardian Inds. Corp.	Richburg, SC	1634	ANSI ONLY	300	U
Guardian Inds. Corp.	Corsicana, TX	1253	ANSI ONLY	550	U
Guardian Inds. Corp.	Lewistown, PA	1867	ANSI ONLY	400	U
Hoffer's Inc.	Schofield, WI	1796	COMPOSITE	150	U
Hoffer's/Glassmont Corp.	Indianapolis, IN	2213	COMPOSITE	150	U
Interpane Glass Company	Deerfield, WI	2045	COMPOSITE	975	U
Interpane Glass Company	Clinton, NC	1076	COMPOSITE	400	U
Laminated Glass Corp.	Telford, PA	1880	COMPOSITE	100	U
Mid Ohio Tempering	Columbus, OH	2158	COMPOSITE	200	U
North American Glass	Bensenville, IL	1383	COMPOSITE	200	U
PDC Glass of Michigan Inc.	Plymouth, MI	2229	COMPOSITE	400	U
Perilstein Distribution Corp.	Cheswick, PA	1787	COMPOSITE	400	U
Shaw Glass Co.	S. Easton, MA	1036	COMPOSITE	400	U
Sunbelt Glass Inc.	Tulsa, OK	1456	COMPOSITE	550	U
Swift Glass Co., Inc.	Elmira Heights, NY	1558	COMPOSITE	400	U
Tecnoglass	Barranquilla, Columbia	1995	COMPOSITE	285	U
Tempered Glass Inc.	Austell, GA	865	COMPOSITE	300	U
Tempglass	Miami, FL	1746	COMPOSITE	285	U
Tempglass	Perrysburg, OH	594	COMPOSITE	200	U

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*Certified Products-By Product Type*

		<u>SGCC #</u>		<u>Lab ID</u>	<u>Max Size Certified</u>
<i>3/8 Inch Tempered Transparent Glass</i>					
US Precision Glass	Lewisburg, OH	2327	COMPOSITE	200	U
US Precision Glass	Elgin, IL	1854	COMPOSITE	200	U
Vidrio Plano de Mexico SA de CV	Mexico City, Mexico	2373	COMPOSITE	125	U
Viracon Inc.	Owatonna, MN	1508	COMPOSITE	150	U
Viracon, Inc.	Statesboro, GA	2311	COMPOSITE	100	U
Virginia Glass Products Corp.	Martinsville, VA	93	COMPOSITE	285	U
Westshore Glass	Tampa, FL	1978	COMPOSITE	300	U
<i>1/2 Inch Tempered Transparent Glass</i>					
ACI Distribution	Santa Fe Springs, CA	640	COMPOSITE	250	U
ACI Distribution	Santa Clara, CA	1498	COMPOSITE	250	U
ACI Distribution	Dallas, TX	1108	COMPOSITE	550	U
ACI Distribution	Greensboro, NC	1645	COMPOSITE	300	U
AFGD-MA	Fall River, MA	1522	COMPOSITE	400	U
All Team Glass & Mirror Ltd.	Woodbridge, ON	1758	COMPOSITE	400	U
American Flat Glass Dist.	Richmond, VA	1959	COMPOSITE	100	U
American Flat Glass Dist.	Hebron, OH	2200	COMPOSITE	200	U
American Flat Glass Dist.	Marietta, GA	1406	COMPOSITE	300	U
American Flat Glass Dist.	Alvarado, TX	1712	COMPOSITE	550	U
Berkowitz, J.E.	Westville, NJ	1991	COMPOSITE	100	U
Bronco Industries Inc.	Delta, BC	2247	ANSI ONLY	750	U
Colonial Mirror & Glass Corp.	Brooklyn, NY	1929	COMPOSITE	400	U
Consolidated Glass Corp.	New Castle, PA	2004	COMPOSITE	400	U
Coolidge Glass, Inc.	Waukesha, WI	2255	COMPOSITE	150	U
Coraglass Inc.	Reform, AL	2145	COMPOSITE	300	U
Craftsman Tempered Glass; Div.of Gla	Houston, TX	2339	COMPOSITE	550	U
D & S Insulated Glass	Dallas, TX	1658	COMPOSITE	550	U
Downey Glass	Los Angeles, CA	516	COMPOSITE	125	U
Floral Glass & Mirror	Hauppauge, NY	1550	COMPOSITE	400	U
GGI Glass Distributors Corp.	Ronkonkoma, NY	2228	COMPOSITE	400	U
Glass, Inc.	Englewood, CO	2189	COMPOSITE	250	U
Guardian Fabrication Inc.	Webster, MA	1235	ANSI ONLY	100	U
Guardian Inds. Corp.	Corsicana, TX	1803	ANSI ONLY	550	U
Guardian Inds. Corp.	Lewistown, PA	1868	ANSI ONLY	400	U
Hoffer's Inc.	Schofield, WI	1797	COMPOSITE	150	U
Hoffer's/Glassmont Corp.	Indianapolis, IN	2214	COMPOSITE	150	U
Interpane Glass Company	Clinton, NC	1077	COMPOSITE	400	U
Laminated Glass Corp.	Telford, PA	1881	COMPOSITE	100	U
Mid Ohio Tempering	Columbus, OH	2159	COMPOSITE	200	U
North American Glass	Bensenville, IL	1384	COMPOSITE	200	U
PDC Glass of Michigan Inc.	Plymouth, MI	2220	COMPOSITE	400	U
Perilstein Distribution Corp.	Cheswick, PA	1788	COMPOSITE	400	U
Prelco Inc.	Riviere-du-Loup, QC	2048	COMPOSITE	400	U
Shaw Glass Co.	S. Easton, MA	1037	COMPOSITE	400	U
Sunbelt Glass Inc.	Tulsa, OK	1457	COMPOSITE	550	U
Swift Glass Co., Inc.	Elmira Heights, NY	1559	COMPOSITE	400	U
Tecnoglass	Barranquilla, Columbia	2135	COMPOSITE	285	U
Tempered Glass Inc.	Austell, GA	866	COMPOSITE	300	U
Tempglass	Perrysburg, OH	595	COMPOSITE	200	U
Tempglass	Miami, FL	1747	COMPOSITE	285	U
Vidrio Plano de Mexico SA de CV	Mexico City, Mexico	2374	COMPOSITE	125	U

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

		<u>SGCC #</u>		<u>Lab ID</u>	<u>Max Size Certified</u>
<b><i>1/2 Inch Tempered Transparent Glass</i></b>					
Viracon Inc.	Owatonna, MN	1509	COMPOSITE	150	U
Virginia Glass Products Corp.	Martinsville, VA	94	COMPOSITE	285	U
Vitrierie April Inc.	Montreal, QC	2062	COMPOSITE	400	U
Westshore Glass	Tampa, FL	1974	COMPOSITE	300	U
<b><i>5/8 Inch Tempered Transparent Glass</i></b>					
Colonial Mirror & Glass Corp.	Brooklyn, NY	2236	COMPOSITE	400	U
Consolidated Glass Corp.	New Castle, PA	2060	COMPOSITE	400	U
D & S Insulated Glass	Dallas, TX	2315	COMPOSITE	550	34x48
PDC Glass of Michigan Inc.	Plymouth, MI	2221	COMPOSITE	400	U
Tecnoglass	Barranquilla, Columbia	2365	COMPOSITE	285	U
Virginia Glass Products Corp.	Martinsville, VA	2182	COMPOSITE	285	U
Vitrierie April Inc.	Montreal, QC	2063	COMPOSITE	400	U
<b><i>3/4 Inch Tempered Transparent Glass</i></b>					
ACI Distribution	Dallas, TX	1225	COMPOSITE	550	U
Colonial Mirror & Glass Corp.	Brooklyn, NY	2238	COMPOSITE	400	U
Coolidge Glass, Inc.	Waukesha, WI	2256	COMPOSITE	150	U
Craftsman Tempered Glass; Div.of Gla	Houston, TX	2340	COMPOSITE	550	U
D & S Insulated Glass	Dallas, TX	1965	COMPOSITE	550	U
Downey Glass	Los Angeles, CA	2074	COMPOSITE	125	U
Floral Glass & Mirror	Hauppauge, NY	1551	COMPOSITE	400	U
GGI Glass Distributors Corp.	Ronkonkoma, NY	2283	COMPOSITE	400	U
Glass, Inc.	Englewood, CO	2190	COMPOSITE	250	U
PDC Glass of Michigan Inc.	Plymouth, MI	2222	COMPOSITE	400	U
Virginia Glass Products Corp.	Martinsville, VA	95	COMPOSITE	285	U
<b><u>Tempered Patterned Glass</u></b>					
<b><i>1/8 Inch Tempered Patterned Glass</i></b>					
ACI Distribution	Santa Fe Springs, CA	1861	COMPOSITE	250	U
AFG Inds. Inc.-TN	Greenland, TN	587	COMPOSITE	300	U
AFG Inds. Inc.-TN	Kingsport, TN	1414	COMPOSITE	300	U
Cardinal CG	Spring Green, WI	2071	CPSC ONLY	500	U
Cardinal CG	Buford, GA	2146	CPSC ONLY	300	U
Cardinal CG	Northfield, MN	2011	CPSC ONLY	150	U
Cardinal IG	Greenfield, IA	1841	CPSC ONLY	500	U
Cardinal IG	Fremont, IN	2203	CPSC ONLY	200	U
Cardinal IG	Spring Green, WI	1844	CPSC ONLY	500	34x60
Cardinal IG	Fargo, ND	2231	COMPOSITE	150	U
Coastal Glass Distributors	Charleston, SC	2107	COMPOSITE	300	U
Commercial Insulating Glass Co.	Sarasota, FL	1892	COMPOSITE	300	31x76
Contour Industries Inc.	Surgoinsville, TN	1676	COMPOSITE	300	18x76
Coraglass Inc.	Reform, AL	1962	COMPOSITE	300	U
D & S Insulated Glass	Dallas, TX	1659	COMPOSITE	550	U
Downey Glass	Los Angeles, CA	1611	COMPOSITE	125	U
Gemtron-Sweetwater	Sweetwater, TN	1422	COMPOSITE	300	U
Guardian Fabrication Inc.	Rogers, AR	1358	ANSI ONLY	550	U
Guardian Inds. Corp.	Richburg, SC	1683	ANSI ONLY	300	U
Guardian Inds. Corp.	Kingsburg, CA	1303	ANSI ONLY	125	U
Guardian Inds. Corp.	Corsicana, TX	1463	ANSI ONLY	550	U
Guardian Inds. Corp.	Ft. Lauderdale, FL	1665	ANSI ONLY	300	U
Marvin Windows	Warroad, MN	1724	COMPOSITE	150	U

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		<u>SGCC #</u>		<u>Lab ID</u>	<u>Max Size Certified</u>
<i>1/8 Inch Tempered Patterned Glass</i>					
PDC Glass of Michigan Inc.	Plymouth, MI	2223	COMPOSITE	400	U
Perilstein Distribution Corp.	Cheswick, PA	1789	COMPOSITE	400	U
Republic Windows & Doors Inc.	Chicago, IL	2278	COMPOSITE	500	U
Sterling Plumbing Group	Union City, TN	1983	COMPOSITE	550	U
US Precision Glass	Lewisburg, OH	654	ANSI ONLY	200	U
<i>5/32 Inch Tempered Patterned Glass</i>					
AFG Inds. Inc.-TN	Kingsport, TN	2249	COMPOSITE	300	U
AFGD-MA	Fall River, MA	2160	COMPOSITE	400	U
American Flat Glass Dist.	Marietta, GA	1428	COMPOSITE	300	U
American Flat Glass Dist.	Richmond, VA	1960	COMPOSITE	100	U
Cardinal CG	Buford, GA	2147	CPSC ONLY	300	U
Cardinal CG	Northfield, MN	2012	CPSC ONLY	150	U
Cardinal IG	Fremont, IN	2204	CPSC ONLY	200	U
Cardinal IG	Fargo, ND	2285	COMPOSITE	150	U
Cardinal IG	Spring Green, WI	1845	CPSC ONLY	500	U
Cardinal IG	Greenfield, IA	1842	CPSC ONLY	500	U
Coastal Glass Distributors	Charleston, SC	2108	COMPOSITE	300	U
Coraglass Inc.	Reform, AL	1963	COMPOSITE	300	U
Craftsman Tempered Glass; Div.of Gla	Houston, TX	2341	COMPOSITE	550	U
D & S Insulated Glass	Dallas, TX	1660	COMPOSITE	550	U
Downey Glass	Los Angeles, CA	2075	COMPOSITE	125	U
Gemtron-Sweetwater	Sweetwater, TN	1424	COMPOSITE	300	U
Guardian Fabrication Inc.	Rogers, AR	1359	ANSI ONLY	550	U
Guardian Inds. Corp.	Corsicana, TX	1737	ANSI ONLY	550	U
Guardian Inds. Corp.	Kingsburg, CA	1301	ANSI ONLY	125	U
Guardian Inds. Corp.	Richburg, SC	1635	ANSI ONLY	300	U
Sunbelt Glass Inc.	Tulsa, OK	1617	COMPOSITE	550	U
<i>3/16 Inch Tempered Patterned Glass</i>					
ACI Distribution	Dallas, TX	1728	COMPOSITE	550	U
ACI Distribution	Greensboro, NC	2077	COMPOSITE	300	U
ACI Distribution	Santa Clara, CA	2368	COMPOSITE	250	U
AFG Inds. Inc.-TN	Kingsport, TN	2206	COMPOSITE	300	U
AFG Inds. Inc.-TN	Greenland, TN	1139	COMPOSITE	300	U
AFGD-MA	Fall River, MA	1523	COMPOSITE	400	U
American Flat Glass Dist.	Hebron, OH	2201	COMPOSITE	200	U
American Flat Glass Dist.	Marietta, GA	2054	COMPOSITE	300	U
American Flat Glass Dist.	Alvarado, TX	1714	COMPOSITE	550	U
American Flat Glass Dist.	Richmond, VA	1961	COMPOSITE	100	U
Cardinal CG	Northfield, MN	2013	CPSC ONLY	150	U
Cardinal CG	Buford, GA	2148	CPSC ONLY	300	U
Cardinal IG	Fremont, IN	2205	CPSC ONLY	200	U
Cardinal IG	Spring Green, WI	1846	CPSC ONLY	500	U
Cardinal IG	Greenfield, IA	1843	CPSC ONLY	500	U
Cardinal IG	Fargo, ND	2286	COMPOSITE	150	U
Coastal Glass Distributors	Charleston, SC	2109	COMPOSITE	300	U
Commercial Insulating Glass Co.	Sarasota, FL	1894	COMPOSITE	300	31x76
Coraglass Inc.	Reform, AL	1964	COMPOSITE	300	U
Craftsman Tempered Glass; Div.of Gla	Houston, TX	2342	COMPOSITE	550	U
D & S Insulated Glass	Dallas, TX	1661	COMPOSITE	550	U
Downey Glass	Los Angeles, CA	935	COMPOSITE	125	U

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				<u>SGCC #</u>	<u>Lab ID</u>	<u>Max Size Certified</u>
<b>3/16 Inch Tempered Patterned Glass</b>						
Efco Corp.	Monett, MO	2143	COMPOSITE	150	U	
Glass, Inc.	Englewood, CO	2193	COMPOSITE	250	U	
Guardian Inds. Corp.	Richburg, SC	1865	ANSI ONLY	300	U	
Guardian Inds. Corp.	Kingsburg, CA	1304	ANSI ONLY	125	U	
Guardian Inds. Corp.	Ft. Lauderdale, FL	1318	ANSI ONLY	300	U	
Hoffer's Inc.	Schofield, WI	1798	COMPOSITE	150	U	
Hoffer's/Glassmont Corp.	Indianapolis, IN	2215	COMPOSITE	150	U	
Marvin Windows	Warroad, MN	1701	COMPOSITE	150	U	
PDC Glass of Michigan Inc.	Plymouth, MI	2224	COMPOSITE	400	U	
Perilstein Distribution Corp.	Cheswick, PA	1790	COMPOSITE	400	U	
Shaw Glass Co.	S. Easton, MA	1939	COMPOSITE	400	U	
Sterling Plumbing Group	Union City, TN	1984	COMPOSITE	550	U	
Summit Window & Patio Door	Yakima, WA	2171	COMPOSITE	750	U	
Sunbelt Glass Inc.	Tulsa, OK	1618	COMPOSITE	550	U	
US Precision Glass	Lewisburg, OH	188	ANSI ONLY	200	U	
US Precision Glass	Lewisburg, OH	328	ANSI ONLY	200	U	
<b>7/32 Inch Tempered Patterned Glass</b>						
Downey Glass	Los Angeles, CA	678	COMPOSITE	125	U	
Guardian Inds. Corp.	Corsicana, TX	1464	ANSI ONLY	550	U	
<b>1/4 Inch Tempered Patterned Glass</b>						
Guardian Inds. Corp.	Kingsburg, CA	1882	ANSI ONLY	125	U	
Summit Window & Patio Door	Yakima, WA	2172	COMPOSITE	750	U	
<b><u>Tempered Bent Patterned Glass</u></b>						
<b>3/16 Inch Tempered Bent Patterned Glass</b>						
Ardco Inc.	Chicago, IL	1951	COMPOSITE	150	U	
<b>1/4 Inch Tempered Bent Patterned Glass</b>						
Ardco Inc.	Chicago, IL	2006	COMPOSITE	150	U	
<b><u>Tempered Bent Glass</u></b>						
<b>5/32 Inch Tempered Bent Glass</b>						
Ardco Inc.	Chicago, IL	1563	COMPOSITE	150	U	
Sovis North America, Inc.	Thierry, France	1992	COMPOSITE	400	U	
Sovis North America, Inc.	Madison, GA	2305	COMPOSITE	400	U	
<b>3/16 Inch Tempered Bent Glass</b>						
Ardco Inc.	Chicago, IL	1564	COMPOSITE	150	U	
Sovis North America, Inc.	Madison, GA	2306	COMPOSITE	400	U	
Sovis North America, Inc.	Thierry, France	1938	COMPOSITE	400	U	
<b>1/4 Inch Tempered Bent Glass</b>						
Ardco Inc.	Chicago, IL	1565	COMPOSITE	150	U	
North American Glass	Bensenville, IL	2308	COMPOSITE	200	U	
Sovis North America, Inc.	Thierry, France	1864	COMPOSITE	400	U	
Sovis North America, Inc.	Madison, GA	2307	COMPOSITE	400	U	
<b>3/8 Inch Tempered Bent Glass</b>						
North American Glass	Bensenville, IL	1536	COMPOSITE	200	U	
<b>1/2 Inch Tempered Bent Glass</b>						
North American Glass	Bensenville, IL	2053	COMPOSITE	200	U	

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		<u><b>SGCC #</b></u>		<u><b>Lab ID</b></u>	<u><b>Max Size Certified</b></u>
<b><u>Safety Plastic Sheet</u></b>					
<i>.08-.125 Inch Safety Plastic Sheet</i>					
Flex-O-Glass Inc.	Dixon, IL	118	ANSI ONLY	285	U
<b><u>Organic Coated Glass Hybrid</u></b>					
<i>3/32 Inch Organic Coated Glass Hybrid</i>					
Cardinal LG	Amery, WI	2301	COMPOSITE	150	U
<i>1/4 Inch Organic Coated Glass Hybrid</i>					
Cardinal LG	Amery, WI	2300	COMPOSITE	150	U
<b><u>Organic Coated Glass</u></b>					
<i>1/8 Inch Organic Coated Glass</i>					
Guardian Inds. Corp.	Reedley, CA	2117	CPSC ONLY	125	U
<i>5/32 Inch Organic Coated Glass</i>					
Guardian Inds. Canada Corp.	Rexdale, ON	1966	ANSI ONLY	400	U
<b><u>Laminated Transparent Glass</u></b>					
<i>5/32 Inch Laminated Transparent Glass</i>					
Cardinal LG	Amery, WI	2166	COMPOSITE	150	U
Guardian Inds. Corp.	Lewistown, PA	1886	ANSI ONLY	400	U
<i>3/16 Inch Laminated Transparent Glass</i>					
Viracon Inc.	Owatonna, MN	1637	COMPOSITE	150	U
<i>7/32 Inch Laminated Transparent Glass</i>					
Guardian Inds. Corp.	Lewistown, PA	1282	ANSI ONLY	400	U
Mirror Factory	Plymouth, MN	1915	COMPOSITE	150	U
<i>3/16 Inch Laminated Transparent Glass</i>					
Vidrio Saint Gobain de Mexico	Morelos, Mexico	2366	COMPOSITE	400	U
<i>1/4 Inch Laminated Transparent Glass</i>					
American Glassmith/Sumiglass	Columbus, OH	2174	COMPOSITE	200	U
Architectural Safety Glass	Ft. Pierce, FL	1914	COMPOSITE	400	U
Cardinal LG	Amery, WI	2167	COMPOSITE	150	U
Cardinal LG	Amery, WI	2169	COMPOSITE	150	U
Globe-Amerada Glass Co. (Assurance)	Selma, AL	1668	COMPOSITE	400	U
Guardian Inds. Corp.	Lewistown, PA	1946	ANSI ONLY	400	U
Interpane Glass Company	Clinton, NC	2324	COMPOSITE	400	U
Laminated Glass Corp.	Telford, PA	1652	COMPOSITE	100	U
Nashville Tempered Glass Corp.	Nashville, TN	2202	COMPOSITE	200	U
Prelco Inc.	Riviere-du-Loup, QC	2037	COMPOSITE	400	U
Shin IL Safety Glass Co., Ltd.	Kyung Gi-Do, Seoul, Korea	2239	ANSI ONLY	250	U
Vidrio Saint Gobain de Mexico	Morelos, Mexico	2333	COMPOSITE	400	U
Vidrio Saint Gobain de Mexico	Morelos, Mexico	2269	ANSI ONLY	400	U
Viracon, Inc.	Statesboro, GA	2364	COMPOSITE	100	U
<i>5/16 Inch Laminated Transparent Glass</i>					
Interpane Glass Company	Clinton, NC	2325	COMPOSITE	400	U
Jarrett, Inc.	East Palestine, OH	2118	COMPOSITE	400	U
Vidrio Saint Gobain de Mexico	Morelos, Mexico	2268	ANSI ONLY	400	U
Vidrio Saint Gobain de Mexico	Morelos, Mexico	2332	COMPOSITE	400	U

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*Certified Products-By Product Type*

				<u>Lab ID</u>	<u>Max Size Certified</u>
				<u>SGCC #</u>	
<i>3/8 Inch Laminated Transparent Glass</i>					
Guardian Inds. Corp.	Lewistown, PA	1947	ANSI ONLY	400	U
Interpane Glass Company	Clinton, NC	2326	COMPOSITE	400	U
Jarrett, Inc.	East Palestine, OH	2119	COMPOSITE	400	U
Vidrio Saint Gobain de Mexico	Morelos, Mexico	2267	ANSI ONLY	400	U
<i>1/2 Inch Laminated Transparent Glass</i>					
American Glassmith/Sumiglass	Columbus, OH	2175	COMPOSITE	200	U
Guardian Inds. Corp.	Lewistown, PA	1316	ANSI ONLY	400	U
Interpane Glass Company	Clinton, NC	2290	COMPOSITE	400	U
Jarrett, Inc.	East Palestine, OH	2120	COMPOSITE	400	U
Vidrio Saint Gobain de Mexico	Morelos, Mexico	2265	ANSI ONLY	400	U
<b><u>Laminated Patterned Glass</u></b>					
<i>5/16 Inch Laminated Patterned Glass</i>					
Cardinal LG	Amery, WI	2240	COMPOSITE	150	U

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*Licensees and Their Typical Labels*

ACI Distribution  
12900 Nicholson Rd.  
PO Box 815547  
Dallas, TX 75381-5547



**TEMPERED SAFETY GLASS**  
16CFR1201 CII  
ANSI Z97.1-1984 3/16"U  
SGCC 400

AFG Inds. Inc.-TN  
1400 Lincoln St.  
PO Box 929  
Kingsport, TN 37662

**▲▲▲**  
**TEMPERED**  
16 CFR 1201-1 II  
ANSI Z97.1 1984  
1/8U SGCC-1390  
AFG 006  
- 056206A -

AFGD, Div. of AFG Inds. Ltd.  
75 Doney Crescent  
Concord, ON L4K 1P6



**TEMPERED/TREMPE**  
ANSI Z97.1 — 1984  
16 CFR 1201 II  
SGCC 1489 1/4 U  
.....  
A S 2 DOT 163 MOS  
CAN 2 12.1 SG

American Glassmith/Sumiglass  
195 Phillipi Rd.  
Columbus, OH 43228

**AGI/Sumiglass**  
**Laminated Safety Glass**  
ANSI Z97.1-1984  
16 CFR 1201 CII  
SGCC 2174 1/4 U

Ardco Inc.  
12400 S. Laramie Ave.  
Chicago, IL 60658

**Auto TemperBent**

ANSI Z97.1-1984  
16 CFR 1201-CII  
SGCC-1003 1/32U

Flex-O-Glass Inc.  
4647 W. Augusta Blvd.  
Chicago, IL 60651



**FLEX - O - GLAZE™**  
ACRYLIC SAFETY GLAZING  
ANSI Z97.1-1984 .080U  
SGCC-118

Floral Glass & Mirror  
PO Box 18039  
895 Motor Pkwy  
Hauppauge, NY 11788-8839

**TemPLUS**  
FLORAL GLASS & MIRROR  
TEMPERED SAFETY GLASS  
ANSI Z97.1 1984  
16 CFR 1201-1 II  
SGCC-1003 7/32 U

Four Seasons Solar Products  
5005 Veterans Memorial Hwy.  
Holbrook, NY 11741

**FOURSEASONS**  
**TEMPERED**  
**SAFETY GLASS**  
16 CFR 1201-CII  
ANSI Z97.1-1984  
SGCC-1003 7/32U

Gemtron-Sweetwater  
615 Hwy. 68  
Sweetwater, TN 37874

**TEMPERED**  
16CFR 1201 C11  
ANSI Z97-1-1984  
1/8 U - SGCC-1334  
GEMTRON 199 1996


Glass, Inc.  
4005 S. Clay St.  
Englewood, CO 80110



**TEMPERED SAFETY**  
ANSI Z97.1 -1984 SGCC 2185  
16 CFR 1201 II 1/8 U TTG

Globe-Amerada Glass Co. (Ass  
2001 Greenleaf Ave.  
Elk Grove Village, IL 60007

**LAMINATED SAFETY GLASS**

SGCC-1668  .218 u  
ANSI Z97.1-1984  
16 CFR 1201 C II  
AS1  
90

Guardian Fabrication Inc.  
1412 S. First St.  
Rogers, AR 72756

**ROGERS, AR.**  
**TEMPERED**  
ANSI Z97.1-1984  
SGCC 1616 5/32U  
.....  
16 CFR 1201 II

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*Licensees and Their Typical Labels*

Jarrett, Inc.  
217 East Clark Street  
East Palestine, OH 44413



**LAMINATED SAFETY GLASS**  
ANSI Z97.1 - 1984  
16 CFR 1201 II  
SGCC-2120 1/4 U

Nashville Tempered Glass Corp.  
1860 Air Lane Dr.  
Nashville, TN 37210

**Nt Gc**   
ANSI Z97.1-1984  
16 CFR 1201 CII  
SGCC 1416 1/8" U  
**DOT 359 AS 2**

Shaw Glass Co.  
55 Bristol Dr.  
S. Easton, MA 02375

**SOLAR TEMP.**  
16 CFR 1201 11

**ANSI Z 97.1- 1984**  
**1/4 U SGCC 1035**

Laminated Glass Corp.  
375 E. Church Ave.  
PO Box 1003  
Telford, PA 18969-1003

**LCC**

**LAMINATED SAFETY GLASS**  
16 CFR 1201 - II / ANSI Z97.1-1984  
SGCC 1002 1/4 U  
=====  
AG-1, M-21, DOT 88

New Anthony, Inc.  
12812 Arroyo Street  
San Fernando, CA 91342



USA  
ANSI Z97.1 1984  
SGCC 520 1/BU

Specialty Building Products  
400 Ewen Ave.  
New Westminster, BC V3M 5B

SBP 1198  
ANSI Z97.1-1984  
SGCC 2121-3-L

Mid Ohio Tempering  
5150 Walcutt Court  
Columbus, OH 43228



ANSI Z97.1 1984  
16 CFR 1201 11  
SGCC-2159 12

PPG Inds. Inc.  
3700 Division St.  
Burlington, IA 52601

**PPG HERCULITE K**  
**TEMPERED SAFETY GLASS**  
16CFR1201 CII  
.....  
ANSI Z-97.1-1984 1/4U  
80CC-382 0022686

Sunbelt Glass Inc.  
8531 E. 44th St.  
Tulsa, OK 74145

**SUNTEMP® 1-87**  
**SAFETY TEMPERED**  
**ANSI Z97.1-1984**  
**16 CFR 1201 CII**  
**80CC-1453 1/8 U**

Milgard Tempering Inc.  
910 54th Ave. E.  
PO Box 11368  
Tacoma, WA 98411-0368




**TEMPERED SAFETY**  
**ANSI Z97.1 1984**  
**16 CFR 1201 CII**  
**SGCC 1578 1/4U**

Prelco Inc.  
94 Boulevard Cartier  
Riviere-du-Loup, QC G5R 2M9



Tempglass  
291 "M" Street, Ampoint Indust  
Perrysburg, OH 43551

 **TEMPGLASS**  
81 82  
**TEMPERED 1/2" U**  
**ANSI Z97.1 - 1984**  
**16 CFR 1201 I, II**  
**SGCC 595**  
.....

January 1, 2000

*Licensees and Their Typical Labels*

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Traco (Three Rivers Alum)  
71 Progress Ave.  
Cranberry Township, PA 16066-3596



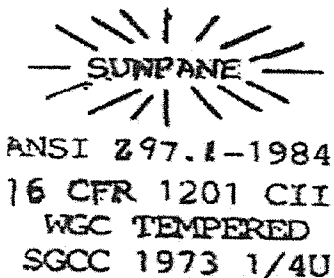
Vidrio Plano de Mexico SA de CV  
Ex-Hacienda de la Santa Cruz  
San Juan Ixhuatepec, Tlanepantla  
Edo. De Mexico, CP 54180



Virginia Glass Products Corp.  
PO Box 5431  
Martinsville, VA 24115



Westshore Glass  
5300 W. Knox St.  
PO Box 15216  
Tampa, FL 33684-5216



January 1, 2000

**SGCC APPROVED TESTING LABORATORIES APPROVED FOR TESTING  
IN THE ANSI AND CPSC CERTIFICATION PROGRAMS**

150 Architectural Testing Inc. 587 First Street SW New Brighton, MN 55112 Attn: Mr. Daniel P. Braun Telephone: (651) 636-3835 Fax: (651) 636-3843	300 Intertek Testing Services, NA 4317-A Park Drive NW Norcross, GA 30093 Attn: Mr. William Penuel Telephone: (770) 925-2444 Fax: (770) 925-7294
100 Architectural Testing Inc. 130 Derry Court York, PA 17402-9405 Attn: Mr. Bruce Croak Telephone: (717) 764-7700 Fax: (717) 764-4129	400 Intertek Testing Services, NA 75 Clinton Street Cortland, NY 13045-0950 Attn: Mr. Randy Hill Telephone: (607) 753-6711 Fax: (607) 756-9894
125 Architectural Testing Inc. 2524 East Jensen Avenue Fresno, CA 93706 Attn: Mr. Leaton Kirk Telephone: (209) 233-8705 Fax: (209) 233-8360	950 Intertek Testing Services, NA Antioch Ind. Park, 2200 Wymore Way Antioch, CA 94509 Attn: Mr. Vijay G. Ruikar, PE Telephone: (925) 756-6606 Fax: (925) 756-6094
200 Bowser-Morner Inc. 4518 Taylorsville Road Dayton, OH 45424 Attn: Mr. Tom Peters Telephone: (937) 236-8805 Fax: (937) 237-9947	975 Intertek Testing Services, NA 8431 Murphy Drive, PO Box 735 Middleton, WI 53562 Attn: Mr. Rocco Moro Telephone: (608) 836-4400 Fax: (608) 831-9279
250 Construction Consulting Laboratory Inc. 4751 W. State Street, Suite E Ontario, CA 91762 Attn: Mr. Jack Jackson Telephone: (909) 591-1789 Fax: (909) 627-9020	500 STORK-Patzig Testing Laboratories 3922 Delaware Avenue Des Moines, IA 50313 Attn: Mr. Timothy Cox Telephone: (515) 266-5101 Fax: (515) 262-1910
275 ETC Laboratories 297 Buell Road Rochester, NY 14624 Attn: Mr. David Kehrli Telephone: (716) 328-7668 Fax: (716) 328-7777	550 STORK-Southwestern Laboratories 222 Cavalcade Street Houston, TX 77009-3212 Attn: Ms. Kitty Harvey Telephone: (713) 692-9151 Fax: (713) 696-6205
285 Fenestration Testing Laboratory Inc. 1677 West 31 <sup>st</sup> Place Hialeah, FL 33012 Attn: Ms. Leigh Sanchez Telephone: (305) 819-7877 Fax: (305) 819-7998	750 Performance Testing Inc. 4076-148 <sup>th</sup> Avenue NE Redmond, WA 98052 Attn: Mr. Jon DeRose Telephone: (425) 883-9788 Fax: (425) 869-5266
<b>NOTE: The ID of the laboratory used for testing of each Product is provided in the Certified Products-By Product Type section of this directory.</b>	600 SGS US Testing Company, Inc. 291 Fairfield Avenue Fairfield, NJ 07004 Attn: Mr. Gabriel A. Falla Telephone: (973) 575-5252 Fax: (973) 575-7175







safety glazing certification council

P. O. Box 9  
Henderson Harbor, NY 13651

FORWARDING AND ADDRESS CORRECTION REQUESTED

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