



safety glazing certification council

July 1, 1997

certified products directory
safety glazing material used in buildings

"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 from:

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 from:

Consumer Products Safety Commission
5401 Westbard Avenue
Bethesda MD 20016

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MEETINGS OF THE CERTIFICATION COMMITTEE

The Certification Committee of the Safety Glazing Certification Council meets one each six months. 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:

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ROSTER

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SGCC CERTIFICATION COMMITTEE

Mark Cody - Chairman

Licensee	Primary Member	First Alternate	Second Alternate
ACI Distribution	Mike Grossman	Rick Dashley	
AFGD; Canada	Mark Cody	Thomas Mewbourne	
AFG Industries Inc.	Mark Cody	Thomas Mewbourne	
All Team Glass & Mirror Ltd			
American Flat Glass Dist.	Mark Cody		
Anglass Industries Inc.			
Arch Aluminum & Glass L.C.	Leon Silverstein	Dan M. Haney	John Haws
Architectural Safety Glass	George Sutorka		
Ardco, Inc.	Andrew G. Menke		
AFGD; Div of AFG Inds Ltd	Bill Bowmeester	Gord Kilday	Joel Harmer
Cardinal CG	Robert Spindler		
Cardinal IG	Robert Spindler	Oak Moser	
Cardinal TG	Robert Spindler		
Colonial Mirror & Glass Corp	A. Alex Weiner	George Weiner	
Commercial Insulating Glass	Jeff Winsler		
Consolidated Glass Corp.	Carl Carmen	Louis Merryman	
Contour Inds Inc.	Scott Stidham	Pat Murphy	
Coraglass Inc.	Patrick Conner		
D & S Tempered Glass			
D & W, Incorporated			
Downey Glass Company	Richard Wright	Luis O. Soto	Robert Mastrapa
Edge Seal Technologies			
EFCO Corp			
Flex-O-Glass, Inc.	Harold G. Warp	Alfred R. Hunsicker	
Floral Glass & Mirror, Inc.	Charles Kaplanek	Paul Bieber	
Four Seasons Solar Prod.	Brian Fabian	Mark Nahvi	George Andra
Free State Glass Industries	Conrad Miller		
Gardner Mirror Corporation	Tim Hall		

SGCC CERTIFICATION COMMITTEE

Licensee	Primary Member	First Alternate	Second Alternate
Gemtron -Sweetwater	Robert A Moss	Jack Francis	Freida Watson
Gemtron-Vincennes	Robert A. Moss	Robert B. Brian	H. David Wilber
Glass Factory, Inc., The			
Globe-Amerada Glass Co.	Cheri Kellman	Walt Myers	
Guardian Fabrication, Inc.	John G. Jablonski	Henry A. Gorry	
Guardian Industries Corp	John G. Jablonski	Henry A. Gorry	
Guardian Inds Canada Corp	John G. Jablonski	Henry A. Gorry	
Hoffer's Inc.	Barb Striegel	Tom Beese	Kevin Schulz
Interpane Glass Co.	John Neunlist	Tony Lee	Jimmy Williams
J.E. Berkowitz			
Laminated Glass Corp.	Mike Lerner		
Marvin Windows	James Krahn	Doug Steinbring	
Midwest Air Technologies			
Milgard Tempering Inc.	W. F. Hart	Tom Sugano	
Mirror Factory, Inc.	Marlan Carlson	Tom Carlson	Lance Smith
Nashville Tempered Glass			
North American Glass	Richard Wright	Bob Berleth	Shelly Mascola
Northwestern Inds Inc.	Tim McQuade	James Levingston	Darrell Adrich
Patio Enclosures			
Perilstein Distributing Corp.			
PPG Industries Inc.	Charles Richeson	Bob Fiedor	Bradley Boone
Prelco Inc.			
SAFTI / Div of O'Keefe's	M. Scott Foote	William O'Keefe	Stacy Westhoff
Shaw Glass Company Inc.	Frederic P Shaw	Troy Johnson	Walter Gilpatrick
Sovis SA	Richard Paschel		
Sterling Plumbing Group	Fred Bruce		
Summitt Window & Patio Door	Lee Dunlop	Steve Jones	
Sunbelt Glass Inc.	Mike Kelley		
Swift Glass Company	Daniel J. Burke	Anthony Speciale	Wayne Brown
Taylor Products, Inc.			

SGCC CERTIFICATION COMMITTEE

Licensee	Primary Member	First Alternate	Second Alternate
Tempered Glass, Inc.	Douglas Sampsel	Joel Wrenn	
Tempglass Group Inc.	Richard Wright	Tim Kachmarik	William Coddington
TRACO (Three Rivers Alum)	Robert P. Randall	William Deuschle	John Kalakos
U S Precision Glass	Perry Gregorcy	Daniel Hill	Michael Carnes
Vegla Vereinigte	Scott Foote		
Viracon, Inc.	Bill Knutsen	Russ Huffer	Rick Voelker
Virginia Glass Prod. Corp.	Robert L. Brown	Benjamin D. Beeler	A. Paul Stillman
Vitrierie April			
Westshore Glass Corp.	Bill Bellis	Todd Elozory	Tucker Kruse

Member by virtue of being a director

NIST	Mario Cellarosi
Consumer	George L Graf, Jr
University of Missouri-Rolla	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.

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

Intertek Testing Services (ITS), Is the independent Administrator of the Certification Program. ITS 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.
- 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 which is 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.

SGCC recognized approved testing laboratories conduct all tests. 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. Routine evaluation samples are tested by an approved testing laboratory selected, with the concurrence of the administrator, by the licensee.

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, published every six months, which is sent to door, sash and building products manufacturers, glazing contractors, home builders, architects, regulatory agencies and 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, to be tested to the applicable specification(s), during unannounced visits, samples of certified safety glazing material at 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 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/CONTINGENCY 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.

Upon its proper execution and acceptance by SGCC, the preissued 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 ITS; governs the relationship between SGCC and ITS, 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 licensees name, location, etc.

PROGRAM RESPONSIBILITY

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

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

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

COMMUNICATIONS

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

Mr. Robert A. Moss
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Telephone: 812-882-2680

Mr. Mark B. Cody, Chairman
SGCC Certification Committee
c/o AFG Industries
PO Box 929
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Mr. John G. Kent
Administrative Manager
ETL Testing Laboratories, Inc.
3933 US Route 11
PO Box 2040
Cortland, NY 13045-0950
Telephone: 607-753-6711

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 light 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 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 be 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.
- 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

In cases where a certified item is produced infrequently or in small quantities so as to make it difficult for the administrator to obtain routine evaluation samples, the licensee shall notify the administrator at least two weeks in advance of any production of such item.

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 the invoice was received by the Licensee. 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 recertify 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 costs involved shall be paid by the licensee.

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

All safety glazing materials that are not symmetrical from surface to surface shall be impacted two specimens on one side and two specimens on the other side except as noted in Guideline G.27. (Revised 4/21/94)

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, then 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 preissued 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 preissued 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 preissued 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 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.

- 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 Z97.1-1966, 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. Any costs involved shall be paid by the licensee.

G.26

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

G. 27

A licensee, by executing a supplementary license agreement, can elect to be in both ANSI Z97.1-1984 and 16 CFR 1201 programs under one SGCC number provided the licensee submits four specimens to be impact tested to ANSI Z97.1-1984 and one specimen to be impact tested to 16 CFR 1201 (all safety glazing materials that are not symmetrical from surface to surface, shall be impacted one specimen on one side and one specimen on the other side for 16 CFR 1201). If any one specimen of the composite sample fails, the entire composite sample will be considered to have failed to comply with both specifications.

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.

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 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.

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 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.

Patterned depth class	Ratio
Shallow patterned glass	0.90 or above
Medium patterned glass	0.80 through 0.89
Deep patterned glass	0.79 or below

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

New or unlisted patterns must be submitted to the pattern subcommittee for classification and file. prior to certification. After measurement, the new pattern will be assigned to a patterned depth class.

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)

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 thicknesses 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

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 evaluation samples and shall be compared with that of the prototype in lieu of conducting weathering test. The spectral scan shall be made using a minimum film thickness of 0.002 inches or its equivalent.

PE.4

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

PLASTICS - INDOOR USE ONLY (ANSI Only)**PI.1**

Sheet plastics used in indoor applications only do not have to comply with paragraph 5.3 of ANSI Z97.1-1984 (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 is 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 came center dimensions shall be plus or minus 12 percent.

Prototype samples must have diagonal came center dimensions 10 percent greater than nominal . Diamond size listed in the certified products directory shall be nominal dimensions.

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.

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 0.6 "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 ¼ U

ANSI Z97.1-1984 SGCC - 123 ¼ 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 production.

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 1/4" 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.

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.

CLASSIFIED TEMPERED GLASS PATTERNS1/8 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) Factorlite	(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) Factorlite
(99) Satinlite	(100) Luxlite	(101) J-3	(102) P-516	(103) Smooth Rough
(105) Cascade	(106) Pluralite	(108) Flax	(110) Skytex	(115) Chinchilla
(166) Spotswood				

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) Factorlite
(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.

SGCC NO.

12 Virginia Glass Products
14 Virginia Glass Products
24 AFG Industries
28 AFG Industries
40 Guardian Industries - ANSI

54 Gemtron-Vincennes
57 Gemtron-Vincennes
64 PPG Industries
89 AFG Industries
90 AFG Industries

93 Virginia Glass Products
94 Virginia Glass Products
95 Virginia Glass Products
118 Flex-O-Glass, Inc - ANSI
131 Guardian Industries - ANSI

185 U S Precision Glass
186 U S Precision Glass
188 U S Precision Glass - ANSI
220 AFG Industries
249 PPG Industries

250 PPG Industries
295 PPG Industries
300 Guardian Fabrication - ANSI
328 U S Precision Glass - ANSI
382 PPG Industries - ANSI

400 ACI Distribution
402 ACI Distribution
471 Guardian Fabrication - ANSI
514 Downey Glass Co
515 Downey Glass Co

516 Downey Glass Co
520 Anthony Mfg Co. Inc. - ANSI
587 AFG Industries
592 Tempglass Group, Inc
594 Tempglass Group, Inc

595 Tempglass Group, Inc
598 AFG Industries
630 Downey Glass Co
631 Guardian Industries - ANSI
633 Guardian Industries - ANSI

640 ACI Distribution
654 U S Precision Glass - ANSI
662 Guardian Fabrication - ANSI
675 PPG Industries
676 PPG Industries

678 Downey Glass Co
862 Tempered Glass, Inc
863 Tempered Glass, Inc
865 Tempered Glass, Inc
866 Tempered Glass, Inc

933 Guardian Industries - ANSI
934 Guardian Industries - ANSI
935 Downey Glass Co
949 AFG Industries
955 AFG Industries

SGCC NO.

968 Guardian Industries - ANSI
969 Guardian Industries - ANSI
970 Guardian Industries - ANSI
971 Guardian Industries - ANSI
999 Anthony Mfg Co. Inc. - ANSI

1000 Anthony Mfg Co. Inc. - ANSI
1035 Shaw Glass Co Inc
1036 Shaw Glass Co Inc
1037 Shaw Glass Co Inc
1039 Tempglass Group, Inc

1041 Ardco, Inc
1042 Ardco, Inc
1050 U S Precision Glass
1073 Interpane Glass Company
1074 Interpane Glass Company

1075 Interpane Glass Company
1076 Interpane Glass Company
1077 Interpane Glass Company
1107 ACI Distribution
1108 ACI Distribution

1110 PPG Industries
1111 PPG Industries
1112 PPG Industries
1113 PPG Industries
1139 AFG Industries

1143 AFG Industries
1157 ACI Distribution
1161 Guardian Industries - ANSI
1179 ACI Distribution
1200 Gemtron-Vincennes

1201 Gemtron - Sweetwater
1216 Guardian Fabrication - ANSI
1225 ACI Distribution
1230 American Flat Glass Dist
1231 American Flat Glass Dist

1232 American Flat Glass Dist
1235 Guardian Fabrication - ANSI
1248 Guardian Industries - ANSI
1249 Guardian Industries - ANSI
1250 Guardian Industries - ANSI

1251 Guardian Industries - ANSI
1253 Guardian Industries - ANSI
1282 Guardian Inds Corp-Lewistown
1301 Guardian Industries - ANSI
1303 Guardian Industries - ANSI

1304 Guardian Industries - ANSI
1308 TRACO (Three Rivers Alum.)
1310 TRACO (Three Rivers Alum.)
1311 TRACO (Three Rivers Alum.)
1316 Guardian Inds Corp-Lewistown

1318 Guardian Industries - ANSI
1332 Gemtron - Sweetwater
1334 Gemtron - Sweetwater
1355 Guardian Fabrication - ANSI
1356 Guardian Fabrication - ANSI

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1357 Guardian Fabrication - ANSI
1358 Guardian Fabrication - ANSI
1359 Guardian Fabrication - ANSI
1369 U S Precision Glass
1370 U S Precision Glass

1371 U S Precision Glass
1372 U S Precision Glass
1381 North American Glass
1382 North American Glass
1383 North American Glass

1384 North American Glass
1385 Gemtron-Vincennes
1386 Gemtron-Vincennes
1387 Gemtron-Vincennes
1390 AFG Industries

1403 Viracon, Inc.
1404 Viracon, Inc
1405 American Flat Glass Dist
1406 American Flat Glass Dist
1414 AFG Industries

1416 Nashville Tempered Glass
1417 Nashville Tempered Glass
1420 Tempglass Group, Inc
1422 Gemtron - Sweetwater
1424 Gemtron - Sweetwater

1428 American Flat Glass Dist
1436 AFG Industries
1452 U S Precision Glass
1453 Sunbelt Glass, Inc
1454 Sunbelt Glass, Inc

1455 Sunbelt Glass, Inc
1456 Sunbelt Glass, Inc
1457 Sunbelt Glass, Inc
1458 The Glass Factory
1459 The Glass Factory

1460 The Glass Factory
1461 The Glass Factory
1462 Guardian Industries - ANSI
1463 Guardian Industries - ANSI
1464 Guardian Industries - ANSI

1467 Nashville Tempered Glass
1477 Gemtron - Sweetwater
1485 AFGD FPD
1486 AFGD FPD
1489 AFGD FPD

1496 ACI Distribution
1497 ACI Distribution
1498 ACI Distribution
1508 Viracon, Inc
1509 Viracon, Inc

1518 American Flat Glass Dist
1519 American Flat Glass Dist
1520 American Flat Glass Dist
1521 American Flat Glass Dist
1522 American Flat Glass Dist

<u>SGCC NO.</u>	<u>SGCC NO.</u>	<u>SGCC NO.</u>
1523 American Flat Glass Dist	1629 Guardian Inds Corp-Lewistown	1728 ACI Distribution
1526 Arch Tempered Glass - ANSI	1630 Guardian Industries - ANSI	1737 Guardian Industries - ANSI
1527 Arch Tempered Glass - ANSI	1631 Guardian Industries - ANSI	1744 Tempglass Group, Inc
1528 Arch Tempered Glass - ANSI	1632 Guardian Industries - ANSI	1745 Tempglass Group, Inc
1530 Arch Tempered Glass - ANSI	1633 Guardian Industries - ANSI	1746 Tempglass Group, Inc
1531 Arch Tempered Glass - ANSI	1634 Guardian Industries - ANSI	1747 Tempglass Group, Inc
1535 ACI Distribution	1635 Guardian Industries - ANSI	1754 All Team Glass & Mirror Ltd
1536 North American Glass	1637 Viracon, Inc.	1755 All Team Glass & Mirror Ltd
1546 Floral Glass & Mirror	1638 Northwestern Industries	1756 All Team Glass & Mirror Ltd
1547 Floral Glass & Mirror	1639 Northwestern Industries	1757 All Team Glass & Mirror Ltd
1548 Floral Glass & Mirror	1640 Northwestern Industries	1758 All Team Glass & Mirror Ltd
1549 Floral Glass & Mirror	1641 AFG Industries	1765 Arch Aluminum & Glass L.C. - ANSI
1550 Floral Glass & Mirror	1642 ACI Distribution	1766 Arch Aluminum & Glass L.C. - ANSI
1551 Floral Glass & Mirror	1643 ACI Distribution	1767 Arch Aluminum & Glass L.C. - ANSI
1555 Swift Glass Co., Inc.	1644 ACI Distribution	1768 Arch Aluminum & Glass L.C. - ANSI
1556 Swift Glass Co., Inc.	1645 ACI Distribution	1769 Arch Aluminum & Glass L.C. - ANSI
1557 Swift Glass Co., Inc.	1652 Laminated Glass Corp	1784 Perilstein Distributing Corp
1558 Swift Glass Co., Inc.	1653 D & S Tempered Glass	1785 Perilstein Distributing Corp
1559 Swift Glass Co., Inc.	1654 D & S Tempered Glass	1786 Perilstein Distributing Corp
1562 Arch Tempered Glass - ANSI	1655 D & S Tempered Glass	1787 Perilstein Distributing Corp
1563 Ardco, Inc	1656 D & S Tempered Glass	1788 Perilstein Distributing Corp
1564 Ardco, Inc	1657 D & S Tempered Glass	1789 Perilstein Distributing Corp
1565 Ardco, Inc	1658 D & S Tempered Glass	1790 Perilstein Distributing Corp
1574 Guardian Fabrication - ANSI	1659 D & S Tempered Glass	1791 Four Seasons Solar Products
1575 Guardian Fabrication - ANSI	1660 D & S Tempered Glass	1792 Shaw Glass Co Inc
1576 Guardian Fabrication - ANSI	1661 D & S Tempered Glass	1794 AFG Industries
1577 Guardian Fabrication - ANSI	1663 AFG Industries	1795 AFG Industries
1578 Milgard Tempering Inc.	1664 AFG Industries	1796 Hoffer's Inc.
1586 Taylor Products, Inc.	1665 Guardian Industries - ANSI	1797 Hoffer's Inc.
1587 Taylor Products, Inc.	1668 Globe-Amerada	1798 Hoffer's Inc.
1588 Taylor Products, Inc.	1676 Contour Industries	1799 Summit Window & Patio Door
1589 Taylor Products, Inc.	1677 Contour Industries	1800 Summit Window & Patio Door
1590 Free State Glass Industries	1678 Contour Industries	1801 Summit Window & Patio Door
1591 Free State Glass Industries	1680 Contour Industries	1802 Summit Window & Patio Door
1592 Free State Glass Industries	1682 Arch Tempered Glass - ANSI	1803 Guardian Industries - ANSI
1593 Free State Glass Industries	1683 Guardian Industries - ANSI	1804 Cardinal TG
1594 Free State Glass Industries	1689 Marvin Windows	1805 Cardinal TG
1595 Hoffer's Inc.	1690 Marvin Windows	1806 Cardinal TG
1596 Hoffer's Inc.	1691 Marvin Windows	1807 Cardinal TG
1597 Hoffer's Inc.	1701 Marvin Windows	1808 North American Glass
1598 Taylor Products, Inc.	1702 AFG Industries Inc	1809 North American Glass
1603 PPG Industries	1703 AFG Industries Inc	1826 Guardian Industries - ANSI
1604 PPG Industries	1704 AFG Industries Inc	1827 Cardinal IG - CPSC
1605 PPG Industries	1705 AFG Industries Inc	1828 Cardinal IG - CPSC
1606 PPG Industries	1708 American Flat Glass Dist	1829 Cardinal IG - CPSC
1607 Guardian Fabrication - ANSI	1709 American Flat Glass Dist	1830 Cardinal IG - CPSC
1608 Downey Glass Co	1710 American Flat Glass Dist	1831 Cardinal IG - CPSC
1609 Downey Glass Co	1711 American Flat Glass Dist	1832 Cardinal IG - CPSC
1611 Downey Glass Co	1712 American Flat Glass Dist	1833 Cardinal IG - CPSC
1616 Guardian Fabrication-ANSI	1713 American Flat Glass Dist	1834 Cardinal IG - CPSC
1617 Sunbelt Glass, Inc	1713 American Flat Glass Dist	1835 Arch Tempered Glass - ANSI
1618 Sunbelt Glass, Inc	1714 American Flat Glass Dist	1841 Cardinal IG - CPSC
1624 AFG Industries	1715 U S Precision Glass	1842 Cardinal IG - CPSC
1627 Guardian Inds Corp-Lewistown	1723 Marvin Windows	1843 Cardinal IG - CPSC
1628 Guardian Inds Corp-Lewistown	1724 Marvin Windows	1844 Cardinal IG - CPSC

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1845 Cardinal IG - CPSC
 1846 Cardinal IG - CPSC
 1847 Colonial Mirror & Glass Corp
 1848 Colonial Mirror & Glass Corp
 1854 U S Precision Glass

1861 ACI Distribution
 1862 Hoffer's Inc.
 1864 Sovis S A
 1865 Guardian Industries - ANSI
 1866 Guardian Inds Corp-Lewistown

1867 Guardian Inds Corp-Lewistown
 1868 Guardian Inds Corp-Lewistown
 1870 Sunbelt Glass, Inc.
 1871 Shaw Glass Co Inc
 1872 AFGD; Div of AFG Inds Ltd.

1873 AFGD; Div of AFG Inds Ltd.
 1874 AFGD; Div of AFG Inds Ltd.
 1875 AFGD; Div of AFG Inds Ltd.
 1879 Laminated Glass Corp
 1880 Laminated Glass Corp

1881 Laminated Glass Corp
 1882 Guardian Industries - ANSI
 1883 Viracon, Inc
 1884 Viracon, Inc
 1885 Guardian Walled Lake Fab

1886 Guardian Inds Corp-Lewistown
 1889 Commercial Insulating Glass Co
 1890 Commercial Insulating Glass Co
 1891 Commercial Insulating Glass Co
 1892 Commercial Insulating Glass Co

1894 Commercial Insulating Glass Co
 1895 Arch Tempered Glass - ANSI
 1901 Efcu Corp
 1902 Efcu Corp
 1908 Coraglass inc

1909 Coraglass Inc
 1910 Coraglass Inc
 1911 Coraglass Inc
 1914 Architectural Safety Glass
 1915 Mirror Factory Inc

1919 ACI Distribution
 1921 Cardinal CG - CPSC
 1922 Cardinal CG - CPSC
 1923 Cardinal CG - CPSC
 1924 Cardinal CG - CPSC

1935 AFG Industries
 1929 Colonial Mirror & Glass Corp
 1931 Gardner Mirror Corporation
 1932 Gardner Mirror Corporation
 1933 Gardner Mirror Corporation

1934 Gardner Mirror Corporation
 1935 Gardner Mirror Corporation
 1936 Gardner Mirror Corporation
 1937 Gardner Mirror Corporation
 1938 Sovis S A

SGCC NO.

1939 Shaw Glass Co Inc
 1941 Vegla Vereinigte
 1942 Vegla Vereinigte
 1945 AFGD FPD
 1946 Guardian Inds Corp-Lewistown

1947 Guardian Inds Corp-Lewistown
 1949 Viracon, Inc
 1950 Viracon, Inc
 1951 Ardco, Inc
 1953 SAFTI

1954 SAFTI
 1956 American Flat Glass Dist
 1957 American Flat Glass Dist
 1958 American Flat Glass Dist
 1959 American Flat Glass Dist

1960 American Flat Glass Dist
 1961 American Flat Glass Dist
 1962 Coraglass Inc
 1963 Coraglass Inc
 1964 Coraglass Inc

1965 D & S Tempered Glass
 1966 Guardian Inds Canada Corp
 1967 American Flat Glass Dist
 1968 Gardner Mirror Corporation
 1970 Westshore Glass

1971 Westshore Glass
 1972 Westshore Glass
 1973 Westshore Glass
 1974 Westshore Glass
 1975 Westshore Glass

1978 Westshore Glass
 1979 Sterling Plumbing Group
 1980 Sterling Plumbing Group
 1981 Sterling Plumbing Group
 1982 Sterling Plumbing Group

1983 Sterling Plumbing Group
 1984 Sterling Plumbing Group
 1989 J E Berkowitz
 1990 J E Berkowitz
 1991 J E Berkowitz

1992 Sovis S A
 1996 Vitrierie April Inc.
 1997 Vitrierie April Inc.
 1998 Consolidated Glass Corp.
 1999 Consolidated Glass Corp.

2002 Consolidated Glass Corp.
 2003 Consolidated Glass Corp.
 2004 Consolidated Glass Corp.
 2005 Consolidated Glass Corp.
 2006 Ardco, Inc.

2007 Cardinal CG - CPSC
 2008 Cardinal CG - CPSC
 2009 Cardinal CG - CPSC
 2010 Cardinal CG - CPSC
 2014 Laminated Glass Corp

SGCC NO.

2015 Prelco Inc
 2016 American Flat Glass Dist
 2020 Guardian Inds Corp - ANSI
 2021 Guardian Inds Corp - ANSI
 2022 Guardian Inds Corp - ANSI

2023 Guardian Inds Corp - ANSI
 2027 D & W, Incorporated
 2028 D & W, Incorporated
 2029 D & W, Incorporated
 2030 D & W, Incorporated

2031 American Flat Glass Dist
 2034 Prelco Inc.
 2035 Prelco Inc.
 2036 Prelco Inc.
 2042 Interpane Glass Co

2043 Interpane Glass Co
 2044 Interpane Glass Co
 2045 Interpane Glass Co
 2046 Prelco Inc.
 2047 Prelco Inc.

2048 Prelco Inc.
 2049 Prelco Inc.
 2050 Edge Seal Technologies
 2051 Edge Seal Technologies
 2052 Edge Seal Technologies

2053 North American Glass
 2054 American Flat Glass Dist
 2055 Edge Seal Technologies
 2056 Patio Enclosures Inc.
 2057 Patio Enclosures Inc.

2058 Patio Enclosures Inc.
 2059 Patio Enclosures Inc.
 2060 Consolidated Glass Corp.
 2061 Midwest Air Technologies
 2062 Vitrierie April Inc.

2063 Vitrierie April Inc.
 2065 D & S Tempered Glass
 2066 Summit Window & Patio Door
 2074 Downey Glass Co
 2075 Downey Glass Co

2076 Prelco Inc.
 2078 Arch Aluminum & Glass L.C.
 2079 Arch Aluminum & Glass L.C.
 2080 Arch Aluminum & Glass L.C.
 2081 Arch Aluminum & Glass L.C.

2082 Arch Aluminum & Glass L.C.
 2083 Arch Aluminum & Glass L.C.
 2084 Arch Aluminum & Glass L.C.
 2085 Arch Aluminum & Glass L.C.
 2086 Arch Aluminum & Glass L.C.

2087 Arch Aluminum & Glass L.C.
 2088 Arch Aluminum & Glass L.C.
 2089 Arch Aluminum & Glass L.C.
 2090 Arch Aluminum & Glass L.C.
 2091 Arch Aluminum & Glass L.C.

SGCC NO.

2092 Arch Aluminum & Glass L.C.
2093 Arch Aluminum & Glass L.C.
2094 Arch Aluminum & Glass L.C.
2095 Arch Aluminum & Glass L.C.
2096 Arch Aluminum & Glass L.C.

2097 Arch Aluminum & Glass L.C.
2098 Arch Aluminum & Glass L.C.
2099 Arch Aluminum & Glass L.C.
2100 Arch Aluminum & Glass L.C.
2118 Jarrett Inc.

2119 Jarrett Inc.
2120 Jarrett Inc.

SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
ACI DISTRIBUTION; GREENSBORO, NC					AFGD; DIV OF AFG INDS LTD; LONDON, ONTARIO, CANADA				
1642	3/16	(5.0)	TTG	U	1872	1/8	(3.0)	TTG	U
1643	1/4	(6.0)	TTG	U	1873	5/32	(4.0)	TTG	U
1644	3/8	(10.0)	TTG	U	1874	3/16	(5.0)	TTG	U
1645	1/2	(12.0)	TTG	U	1875	1/4	(6.0)	TTG	U
ACI DISTRIBUTION; DALLAS, TX					AFGD; FPD; CONCORD, ONTARIO, CANADA				
1919	1/8	(3.0)	TTG	U	1485	1/8	(3.0)	TTG	U
400	3/16	(5.0)	TTG	U	1486	5/32	(4.0)	TTG	U
402	1/4	(6.0)	TTG	U	1945	3/16	(5.0)	TTG	U
1107	3/8	(10.0)	TTG	U	1489	1/4	(6.0)	TTG	U
1108	1/2	(12.0)	TTG	U	ALL TEAM GLASS & MIRROR LTD; WOODBRIDGE, ONTARIO, CAN				
1225	3/4	(19.0)	TTG	U	1754	5/32	(4.0)	TTG	U
1728	3/16	(4.8)	TPG(s)	U	1755	3/16	(5.0)	TTG	U
ACI DISTRIBUTION; SANTA CLARA, CA					1756	1/4	(6.0)	TTG	U
1496	1/4	(6.0)	TTG	U	1757	3/8	(10.0)	TTG	U
1497	3/8	(10.0)	TTG	U	1758	1/2	(12.0)	TTG	U
1498	1/2	(12.0)	TTG	U	AMERICAN FLAT GLASS DIST; ALVARADO, TX				
AFG DISTRIBUTION; SANTA FE SPRINGS, CA					1708	1/8	(3.0)	TTG	U
1157	3/16	(5.0)	TTG	U	1709	3/16	(5.0)	TTG	U
1535	1/4	(6.0)	TTG	U	1710	1/4	(6.0)	TTG	U
1179	3/8	(10.0)	TTG	U	1711	3/8	(10.0)	TTG	U
640	1/2	(12.0)	TTG	U	1712	1/2	(12.0)	TTG	U
1861	1/8	(3.0)	TPG(s)	U	1713	5/32	(4.0)	TPG(s)	U
AFG INDS INC; BRIDGEPORT, WV					1714	3/16	(4.8)	TPG(s)	U
1436	1/8	(3.0)	TTG	U	AMERICAN FLAT GLASS DIST; FALL RIVER, MA				
1634	5/32	(4.0)	TTG	U	1518	1/8	(3.0)	TTG	U
1795	3/16	(5.0)	TTG	U	1519	3/16	(5.0)	TTG	U
1794	1/4	(6.0)	TTG	U	1520	1/4	(6.0)	TTG	U
AFG INDS INC; GREENLAND, TN					1521	3/8	(10.0)	TTG	U
598	1/8	(3.0)	TTG	U	1522	1/2	(12.0)	TTG	U
955	5/32	(4.0)	TTG	U	1523	3/16	(4.8)	TPG(s)	U
220	3/16	(4.8)	TTG	U	AMERICAN FLAT GLASS DIST; MARIETTA, GA				
89	1/4	(6.0)	TTG	U	1405	1/8	(3.0)	TTG	U
90	3/8	(10.0)	TTG	U	1967	5/32	(4.0)	TTG	U
587	1/8	(3.2)	TPG(s)	U	1230	3/16	(5.0)	TTG	U
1139	3/16	(4.8)	TPG(s)	U	1231	1/4	(6.0)	TTG	U
AFG INDS INC; KINGSFORT, TN					1232	3/8	(10.0)	TTG	U
1390	1/8	(3.0)	TTG	U	1406	1/2	(12.0)	TTG	U
949	5/32	(4.0)	TTG	U	1428	5/32	(4.0)	TPG(s)	U
28	3/16	(5.0)	TTG	U	2054	3/16	(4.8)	TPG(m)	U
24	1/4	(6.0)	TTG	U	AMERICAN FLAT GLASS DIST; RICHMOND, VA				
1143	3/16	(4.8)	TPG(s)	U	2016	1/8	(3.0)	TTG	U
1414	1/8	(3.2)	TPG(m)	U	2031	5/32	(4.0)	TTG	U
AFG INDS INC; SPRING HILL, KS					1956	3/16	(5.0)	TTG	U
1702	1/8	(3.0)	TTG	U	1957	1/4	(6.0)	TTG	U
1703	5/32	(4.0)	TTG	U	1958	3/8	(10.0)	TTG	U
1704	3/16	(5.0)	TTG	U	1959	1/2	(12.0)	TTG	U
1705	1/4	(6.0)	TTG	U	1960	5/32	(4.0)	TPG(s)	U
AFG INDS INC; VICTORVILLE, CA					1961	3/16	(4.8)	TPG(s)	U
1664	1/8	(3.2)	TTG	U					
1641	5/32	(4.0)	TTG	U					
1663	3/16	(4.8)	TTG	U					
1925	1/4	(6.0)	TTG	U					

SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
ANTHONY'S MFG INC; SAN FERNANDO, CA					CARDINAL CG; BUFORD, GA				
				ANSI ONLY					CPSC ONLY
520	1/8	(3.0)	TTG	U	1921	1/8	(3.0)	TTG	U
999	3/16	(5.0)	TTG	U	1922	5/32	(4.0)	TTG	U
1000	1/4	(6.0)	TTG	U	1923	3/16	(5.0)	TTG	U
					1924	1/4	(6.0)	TTG	U
ARCH ALUMINUM & GLASS LC; INDIANAPOLIS, IN					CARDINAL CG; TUMWATER, WA				
				ANSI ONLY					CPSC ONLY
2078	1/8	(3.0)	TTG	U	2007	1/8	(3.0)	TTG	U
2079	5/32	(4.0)	TTG	U	2008	5/32	(4.0)	TTG	U
2080	3/16	(5.0)	TTG	U	2009	3/16	(5.0)	TTG	U
2081	1/4	(6.0)	TTG	U	2010	1/4	(6.0)	TTG	U
2082	3/8	(10.0)	TTG	U	CARDINAL IG; GREENFIELD, IA				
2083	1/2	(12.0)	TTG	U					CPSC ONLY
2084	5/32	(4.0)	TPG(s)	U	1827	1/8	(3.0)	TTG	U
2085	3/16	(4.8)	TPG(s)	U	1828	5/32	(4.0)	TTG	U
ARCH ALUMINUM & GLASS LC; KANSAS CITY, KS					1829	3/16	(5.0)	TTG	U
				ANSI ONLY	1830	1/4	(6.0)	TTG	U
2086	1/8	(3.0)	TTG	U	1841	1/8	(3.0)	TPG(s)	U
2087	3/16	(5.0)	TTG	U	1842	5/32	(4.0)	TPG(s)	U
2088	1/4	(6.0)	TTG	U	1843	3/16	(4.8)	TPG(s)	U
2089	3/8	(10.0)	TTG	U	CARDINAL IG; SPRING GREEN, WI				
2090	1/2	(12.0)	TTG	U					CPSC ONLY
2098	5/32	(4.0)	TPG(s)	U	1831	1/8	(3.0)	TTG	U
2099	3/16	(4.8)	TPG(s)	U	1832	5/32	(4.0)	TTG	U
ARCH ALUMINUM & GLASS LC; MEMPHIS, TN					1833	3/16	(5.0)	TTG	U
				ANSI ONLY	1834	1/4	(6.0)	TTG	U
2091	1/8	(3.0)	TTG	U	1844	1/8	(3.0)	TPG(s)	34" x 60"
2092	3/16	(5.0)	TTG	U	1845	5/32	(4.0)	TPG(s)	U
2093	7/32	(5.6)	TPG(s)	U	1846	3/16	(4.8)	TPG(s)	U
2094	1/4	(6.0)	TTG	U	CARDINAL TG; TOMAH, WI				
2095	3/8	(10.0)	TTG	U					
2096	1/2	(12.0)	TTG	U	1804	1/8	(3.0)	TTG	U
ARCH ALUMINUM & GLASS LC; ORLANDO, FL					1805	5/32	(4.0)	TTG	U
				ANSI ONLY	1806	3/16	(5.0)	TTG	U
1526	1/8	(3.0)	TTG	U	1807	1/4	(6.0)	TTG	U
1527	3/16	(5.0)	TTG	U	COLONIAL MIRROR & GLASS CORP; BROOKLYN, NY				
1528	1/4	(6.0)	TTG	U					
1895	3/8	(10.0)	TTG	U	1847	1/4	(6.0)	TTG	U
1530	1/2	(12.0)	TTG	U	1848	3/8	(10.0)	TTG	U
1835	3/4	(19.0)	TTG	U	1929	1/2	(12.0)	TTG	U
1531	1/8	(3.0)	TPG(s)	U	COMMERCIAL INSULATING GLASS CO; SARASOTA, FL				
1682	5/32	(4.0)	TPG(s)	U					
1562	3/16	(4.8)	TPG(s)	U	1889	1/8	(3.0)	TTG	31" x 76"
ARCH ALUMINUM & GLASS LC; VILLA RICA, GA					1890	3/16	(5.0)	TTG	31" x 76"
				ANSI ONLY	1891	1/4	(6.0)	TTG	31" x 76"
1765	1/8	(3.0)	TTG	U	1892	1/8	(3.0)	TPG(s)	31" x 76"
1766	3/16	(5.0)	TTG	U	1894	3/16	(4.8)	TPG(s)	31" x 76"
1767	1/4	(6.0)	TTG	U	CONSOLIDATED GLASS CORP; NEW CASTLE, PA				
1768	3/8	(10.0)	TTG	U					
1769	1/2	(12.0)	TTG	U	1998	1/8	(3.0)	TTG	U
2097	7/32	(5.6)	TPG(s)	U	1999	5/32	(4.0)	TTG	U
2100	5/32	(4.0)	TPG(s)	U	2005	3/16	(5.0)	TTG	U
ARCHITECTURAL SAFETY GLASS; FT. PIERCE, FL					2002	1/4	(6.0)	TTG	U
					2003	3/8	(10.0)	TTG	U
1914	1/4	(6.0)	LTG(b)	U	2004	1/2	(12.0)	TTG	U
ARDCO INC; CHICAGO, IL					2060	5/8	(15.0)	TTG	U
					CONTOUR INDS INC; SURGOINSVILLE, TN				
1041	1/8	(3.0)	TTG	U					
1042	3/16	(5.0)	TTG	U	1680	1/8	(3.0)	TTG	18" x 76"
1563	5/32	(4.0)	TBG	U	1678	3/16	(4.0)	TTG	18" x 76"
1564	3/16	(5.0)	TBG	U	1677	1/4	(6.0)	TTG	18" x 76"
1565	1/4	(6.0)	TBG	U	1676	1/8	(3.0)	TPG(s)	18" x 76"
1951	3/16	(5.0)	TBP(s)	U					
2006	1/4	(6.0)	TBP(s)	U					

SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
CORAGLASS INC; REFORM, AL					FOUR SEASONS SOLAR PRODUCTS; HOLBROOK, NY				
1908	1/8	(3.0)	TTG	U	1791	1/8	(3.0)	TTG	U
1909	5/32	(4.0)	TTG	U	FREE STATE GLASS INDS; WARRENTON, VA				
1910	3/16	(5.0)	TTG	U	1590	1/8	(3.0)	TTG	U
1911	1/4	(6.0)	TTG	U	1591	3/16	(5.0)	TTG	U
1962	1/8	(3.0)	TPG(s)	U	1592	1/4	(6.0)	TTG	U
1963	5/32	(4.0)	TPG(s)	U	1593	3/8	(10.0)	TTG	U
1964	3/16	(4.8)	TPG(s)	U	1594	1/2	(12.0)	TTG	U
D & S TEMPERED GLASS; DALLAS, TX					GARDNER MIRROR CORPORATION; N. WILKSBORO, NC				
1653	1/8	(3.0)	TTG	U	1931	1/8	(3.0)	TTG	U
1654	5/32	(4.0)	TTG	U	1932	5/32	(4.0)	TTG	U
1655	3/16	(5.0)	TTG	U	1933	3/16	(5.0)	TTG	U
1656	1/4	(6.0)	TTG	U	1934	1/4	(6.0)	TTG	U
1657	3/8	(10.0)	TTG	U	1968	5/16	(8.0)	TTG	U
1658	1/2	(12.0)	TTG	U	1935	3/8	(10.0)	TTG	U
1965	3/4	(19.0)	TTG	U	1936	1/2	(12.0)	TTG	U
1659	1/8	(3.0)	TPG(s)	U	1937	3/4	(19.0)	TTG	U
1660	5/32	(4.0)	TPG(s)	U	GEMTRON-SWEETWATER; SWEETWATER, TN				
1661	3/16	(4.8)	TPG(s)	U	1334	1/8	(3.0)	TTG	U
2065	1/8	(3.0)	TPG(d)	U	1332	5/32	(4.0)	TTG	U
D & W INCORPORATED; ELKART, IN					1201	3/16	(5.0)	TTG	U
2027	1/8	(3.0)	TTG	28" x 42"	1477	1/4	(6.0)	TTG	U
2028	5/32	(4.0)	TTG	28" x 42"	1422	1/8	(3.2)	TPG(s)	U
2029	3/16	(5.0)	TTG	28" x 42"	1424	5/32	(4.0)	TPG(s)	U
2030	1/4	(6.0)	TTG	28" x 42"	GEMTRON-VINCENNES; VINCENNES, IN				
DOWNEY GLASS CO; LOS ANGELES, CA					54	1/8	(3.0)	TTG	U
1608	1/8	(3.0)	TTG	U	1385	5/32	(4.0)	TTG	U
1609	5/32	(4.0)	TTG	U	1200	3/16	(5.0)	TTG	U
630	3/16	(5.0)	TTG	U	57	1/4	(6.0)	TTG	U
514	1/4	(6.0)	TTG	U	1386	5/32	(4.0)	TPG(s)	U
515	3/8	(10.0)	TTG	U	1387	3/16	(4.8)	TPG(s)	U
516	1/2	(12.0)	TTG	U	GLASS FACTORY INC; RONKONKOMA, NY				
2074	3/4	(19.0)	TTG	U	1458	1/8	(3.0)	TTG	U
1611	1/8	(3.2)	TPG(m)	U	1459	3/16	(5.0)	TTG	U
2075	5/32	(4.0)	TPG(s)	U	1460	1/4	(6.0)	TTG	U
935	3/16	(4.8)	TPG(s)	U	1461	1/2	(12.0)	TTG	U
678	7/32	(5.6)	TPG(s)	U	GLOBE AMERADA GLASS CO(ASSURANCE); SELMA, AL				
EDGE SEAL TECHNOLOGIES; WALTON HILLS, OH					1668	1/4	(6.0)	LTG(b)	U
2050	1/8	(3.0)	TTG	U	GUARDIAN FABRICATION INC; MILLBURY, OH				
2051	5/32	(4.0)	TTG	U	1574	1/8	(3.2)	TTG	U
2052	3/16	(5.0)	TTG	U	1575	5/32	(4.0)	TTG	U
2055	1/4	(6.0)	TTG	U	1576	3/16	(5.0)	TTG	U
EFCO CORP; MONETT, MO					1577	1/4	(6.0)	TTG	U
1901	3/16	(5.0)	TTG	U	GUARDIAN FABRICATION INC; ROGERS, AR				
1902	1/4	(6.0)	TTG	U	1355	1/8	(3.0)	TTG	U
FLEX-O-GLASS INC; DIXON, IL					1616	5/32	(4.0)	TTG	U
118	.080	(2.0)	SPS	U	1356	3/16	(5.0)	TTG	U
FLORAL GLASS & MIRROR INC; HAUPPAUGE, NY					1357	1/4	(6.0)	TTG	U
1546	1/8	(3.0)	TTG	U	1358	1/8	(3.2)	TPG(s)	U
1547	3/16	(5.0)	TTG	U	1359	5/32	(4.0)	TPG(s)	U
1548	1/4	(6.0)	TTG	U					
1549	3/8	(10.0)	TTG	U					
1550	1/2	(12.0)	TTG	U					
1551	3/4	(19.0)	TTG	U					

SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
GUARDIAN FABRICATION INC; WEBSTER, MA					GUARDIAN INDS CORP-LEWISTOWN; LEWISTOWN, PA				
ANSI ONLY					ANSI ONLY				
300	1/8	(3.0)	TTG	U	1627	1/8	(3.0)	TTG	U
1607	5/32	(4.0)	TTG	U	1866	5/32	(4.0)	TTG	U
1216	3/16	(5.0)	TTG	U	1628	3/16	(5.0)	TTG	U
662	1/4	(6.0)	TTG	U	1629	1/4	(6.0)	TTG	U
471	3/8	(10.0)	TTG	U	1867	3/8	(10.0)	TTG	U
1234	1/2	(12.0)	TTG	U	1868	1/2	(12.0)	TTG	U
GUARDIAN INDS CORP; CARLETON, MI					1886	5/32	(4.0)	LTG(b) (.030)	U
ANSI ONLY					1282	7/32	(5.6)	LTG(b) (.015)	U
933	1/8	(3.0)	TTG	U	1946	1/4	(6.0)	LTG(b) (.015)	U
934	5/32	(4.0)	TTG	U	1947	3/8	(10.0)	LTG(b) (.015)	U
631	3/16	(5.0)	TTG	U	1316	1/2	(2.0)	LTG(b) (.015)	U
131	1/4	(6.0)	TTG	U	GUARDIAN WALLED LAKE FAB; WALLED LAKE, MI				
GUARDIAN INDS CORP; CORSICANA, TX					ANSI ONLY				
ANSI ONLY					1885	1/8	(3.0)	TTG	U
1248	1/8	(3.0)	TTG	U	GUARDIAN INDS CANADA CORP; REXDALE, ONTARIO, CANADA				
1249	5/32	(4.0)	TTG	U	ANSI ONLY				
1250	3/16	(5.0)	TTG	U	1966	5/32	(4.0)	OCG(h)	U
1251	1/4	(6.0)	TTG	U	HOFFER'S INC; SCHOFIELD, WI				
1826	5/16	(8.0)	TTG	U	1595	1/8	(3.0)	TTG	U
1253	3/8	(10.0)	TTG	U	1862	5/32	(4.0)	TTG	U
1803	1/2	(12.0)	TTG	U	1596	3/16	(5.0)	TTG	U
1463	1/8	(3.2)	TPG(s)	U	1597	1/4	(6.0)	TTG	U
1737	5/32	(4.0)	TPG(s)	U	1796	3/8	(10.0)	TTG	U
1464	7/32	(5.6)	TPG(s)	U	1797	1/2	(12.0)	TTG	U
GUARDIAN INDS CORP; DEWITT, IA					1798	3/16	(4.8)	TPG(s)	U
ANSI ONLY					INTERPANE GLASS COMPANY; CLINTON, NC				
2020	1/8	(3.0)	TTG	U	1073	3/16	(5.0)	TTG	U
2021	5/32	(4.0)	TTG	U	1074	1/4	(6.0)	TTG	U
2022	3/16	(5.0)	TTG	U	1075	5/16	(8.0)	TTG	U
2023	1/4	(6.0)	TTG	U	1076	3/8	(10.0)	TTG	U
GUARDIAN INDS CORP; FT LAUDERDALE, FL					1077	1/2	(12.0)	TTG	U
ANSI ONLY					INTERPANE GLASS COMPANY; DEERFIELD, WI				
1161	1/8	(3.0)	TTG	24" x 30"	2042	3/16	(5.0)	TTG	U
633	3/16	(5.0)	TTG	24" x 30"	2043	1/4	(6.0)	TTG	U
40	1/4	(6.0)	TTG	24" x 25"	2044	5/16	(8.0)	TTG	U
1665	1/8	(3.2)	TPG(s)	U	2045	3/8	(10.0)	TTG	U
1318	3/16	(4.8)	TPG(s)	24" x 30"	JARRETT INC; EAST PALESTINE, OH				
GUARDIAN INDS CORP; KINGSBURG, CA					2118	1/8	(3.0)	LTG(l)	U
ANSI ONLY					2119	3/16	(5.0)	LTG(l)	U
968	1/8	(3.0)	TTG	U	2120	1/4	(6.0)	LTG(l)	U
969	5/32	(4.0)	TTG	U	J.E. BERKOWITZ; WESTVILLE, NJ				
970	3/16	(5.0)	TTG	U	1989	1/8	(3.0)	TTG	U
971	1/4	(6.0)	TTG	U	1990	1/4	(6.0)	TTG	U
1304	3/16	(4.8)	TPG(s)	U	1991	1/2	(12.0)	TTG	U
1882	1/4	(6.4)	TPG(s)	U	LAMINATED GLASS CORP; TELFORD, PA				
1303	1/8	(3.2)	TPG(m)	U	2014	3/16	(5.0)	TTG	U
1301	5/32	(4.0)	TPG(m)	U	1879	1/4	(6.0)	TTG	U
GUARDIAN INDS CORP; RICHBURG, SC					1880	3/8	(10.0)	TTG	U
ANSI ONLY					1881	1/2	(12.0)	TTG	U
1630	1/8	(3.0)	TTG	U	1652	1/4	(6.0)	LTG(b) (.030)	U
1631	5/32	(4.0)	TTG	U	GUARDIAN INDS CORP; TILLSONBURG, ONTARIO, CAN				
1632	3/16	(5.0)	TTG	U	ANSI ONLY				
1633	1/4	(6.0)	TTG	U	1462	1/8	(3.0)	TTG	U
1634	3/8	(10.0)	TTG	U					
1683	1/8	(3.2)	TPG(s)	U					
1635	5/32	(4.0)	TPG(s)	U					
1865	3/16	(4.8)	TPG(s)	U					

SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
MARVIN WINDOWS; WARROAD, MN					PPG INDS INC; FRESNO, CA				
1689	1/8	(3.0)	TTG	U	295	1/8	(3.0)	TTG	U
1723	5/32	(4.0)	TTG	U	676	5/32	(4.0)	TTG	U
1690	3/16	(5.0)	TTG	U	64	3/16	(5.0)	TTG	U
1691	1/4	(6.0)	TTG	U	PPG INDS INC; BURLINGTON, IA				
1724	1/8	(3.0)	TPG(s)	U	1605	1/8	(3.0)	TTG	U
1701	3/16	(4.8)	TPG(s)	U	1606	5/32	(4.0)	TTG	U
MIDWEST AIR TECHNOLOGIES; LINCOLNSHIRE, IL					1603	3/16	(5.0)	TTG	U
2061	1/8	(3.0)	TTG	34" x 40"	1604	1/4	(6.0)	TTG	U
MILGARD TEMPERING INC; TACOMA, WA					PPG INDS INC; WICHITA FALLS, TX				
1578	1/4	(6.0)	TTG	U	ANSI ONLY				
MIRROR FACTORY INC; PLYMOUTH, MN					1113	1/4	(6.0)	TTG	U
1915	7/32	(5.6)	LTG(b) (.030)	U	PPG INDS INC; WICHITA FALLS, TX				
NASHVILLE TEMPERED GLASS CORP; NASHVILLE, TN					1110	1/8	(3.0)	TTG	U
1416	1/8	(3.0)	TTG	U	1111	5/32	(4.0)	TTG	U
1467	3/16	(5.0)	TTG	U	1112	3/16	(5.0)	TTG	U
1417	1/4	(6.0)	TTG	U	PRELCO INC; RIVIERE-DU-LOUP, QUEBEC, CANADA				
NORTH AMERICAN GLASS; BENSENVILLE, IL					2034	1/8	(3.0)	TTG	U
1381	3/16	(5.0)	TTG	U	2035	5/32	(4.0)	TTG	U
1382	1/4	(6.0)	TTG	U	2036	3/16	(5.0)	TTG	U
1383	3/8	(10.0)	TTG	U	2015	1/4	(6.0)	TTG	U
1384	1/2	(12.0)	TTG	U	2046	5/16	(8.0)	TTG	U
1808	3/16	(5.0)	TBG	U	2047	3/8	(10.0)	TTG	U
1809	1/4	(6.0)	TBG	U	2048	1/2	(12.0)	TTG	U
1536	3/8	(10.0)	TBG	U	2049	5/8	(15.0)	TTG	U
2053	1/2	(12.0)	TBG	U	2076	1/4	(6.0)	LTG(b) (.030)	U
NORTHWESTERN INDS INC; SEATTLE, WA					SAFTI; SAN FRANCISCO, CA				
1638	3/16	(5.0)	TTG	U	1953	1/4	(6.0)	TTG	U
1639	1/4	(6.0)	TTG	U	1954	1/2	(12.0)	TTG	U
1640	3/16	(5.0)	LTG(b) (.030)	U	SHAW GLASS CO INC; SOUTH EASTON, MA				
PATIO ENCLOSURES INC; MACEDONIA, OH					1792	5/32	(4.0)	TTG	U
2056	1/8	(3.0)	TTG	U	1871	3/16	(5.0)	TTG	U
2057	5/32	(4.0)	TTG	U	1035	1/4	(6.0)	TTG	U
2058	3/16	(5.0)	TTG	U	1036	3/8	(10.0)	TTG	U
2059	1/4	(6.0)	TTG	U	1037	1/2	(12.0)	TTG	U
PERILSTEIN DISTRIBUTING CORP; CHESWICK, PA					1939	3/16	(4.8)	TPG(s)	U
1784	1/8	(3.0)	TTG	U	SOVIS SA; THIERRY, FRANCE				
1785	3/16	(5.0)	TTG	U	1992	5/32	(4.0)	TBG	U
1786	1/4	(6.0)	TTG	U	1938	3/16	(5.0)	TBG	U
1787	3/8	(10.0)	TTG	U	1864	1/4	(6.0)	TBG	U
1788	1/2	(12.0)	TTG	U	SPECIALTY BUILDING PRODUCTS; NEW WESTMINSTER, BC, CAN				
1789	1/8	(3.0)	TPG(s)	U	2121	1/8	(3.0)	TTG	22" x 46"
1790	3/16	(4.8)	TPG(s)	U	STERLING PLUMBING GROUP; UNION CITY, TN				
PPG INDS INC; CARLISLE, PA					1979	1/8	(3.0)	TTG	U
ANSI ONLY					1980	5/32	(4.0)	TTG	U
382	1/4	(6.0)	TTG	U	1981	3/16	(5.0)	TTG	U
PPG INDS INC; CARLISLE, PA					1982	1/4	(6.0)	TTG	U
250	1/8	(3.0)	TTG	U	1983	1/8	(3.0)	TPG(s)	U
675	5/32	(4.0)	TTG	U	1984	3/16	(5.0)	TPG(s)	U
249	3/16	(5.0)	TTG	U					

SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
SUMMIT WINDOW & PATIO DOOR; YAKIMA, WA					U S PRECISION GLASS; ELGIN, IL				
2066	3/32	(2.0)	TTG	U	1369	1/8	(3.0)	TTG	U
1799	1/8	(3.0)	TTG	U	1370	5/32	(4.0)	TTG	U
1800	3/16	(5.0)	TTG	U	1371	3/16	(5.0)	TTG	U
1801	1/4	(6.0)	TTG	U	1372	1/4	(6.0)	TTG	U
1802	1/8	(3.0)	TPG(s)	U	1854	3/8	(10.0)	TTG	U
SUNBELT GLASS INC; TULSA, OK					U S PRECISION GLASS; LEWISBURG, OH ANSI ONLY				
1453	1/8	(3.0)	TTG	U	188	3/16	(4.8)	TPG(s)	U
1870	5/32	(4.0)	TTG	U	654	1/8	(3.2)	TPG(m)	U
1454	3/16	(5.0)	TTG	U	328	3/16	(4.8)	TPG(d)	U
1455	1/4	(6.0)	TTG	U	U S PRECISION GLASS; LEWISBURG, OH				
1456	3/8	(10.0)	TTG	U	1050	1/8	(3.0)	TTG	U
1457	1/2	(12.0)	TTG	U	1452	5/32	(4.0)	TTG	U
1617	5/32	(4.0)	TPG(s)	U	185	3/16	(5.0)	TTG	U
1618	3/16	(4.8)	TPG(s)	U	186	1/4	(6.0)	TTG	U
SWIFT GLASS CO INC; ELMIRA HEIGHTS, NY					VEGLA VEREINIGTE GLASWERKE GMBH; AACHEN, GERMANY				
1555	1/8	(3.0)	TTG	U	1941	3/16	(5.0)	TTG	U
1556	3/16	(5.0)	TTG	U	1942	1/4	(6.0)	TTG	U
1557	1/4	(6.0)	TTG	U	VIRACON INC; OWATONNA, MN				
1558	3/8	(10.0)	TTG	U	1403	3/16	(5.0)	TTG	U
1559	1/2	(12.0)	TTG	U	1404	1/4	(6.0)	TTG	U
TAI E MANAGEMENT; TAIPEI, TAIWAN ANSI ONLY					1508	3/8	(10.0)	TTG	U
2129	5/16	(8.0)	TTG	U	1509	1/2	(12.0)	TTG	U
2130	1/2	(12.0)	TTG	U	1637	3/16	(5.0)	LTG(b) (.030)	U
TAYLOR PRODUCTS INC; PAYNE, OH					1883	1/8	(3.0)	OCG(h) (.037)	U
1586	1/8	(3.2)	TTG	U	1949	3/16	(5.0)	OCG(h) (.030)	U
1587	5/32	(4.0)	TTG	U	1884	1/4	(6.0)	OCG(h) (.037)	U
1588	3/16	(5.0)	TTG	U	1950	5/16	(7.5)	LSP	U
1589	1/4	(6.0)	TTG	U	VIRGINIA GLASS PRODUCTS CORP; MARTINSVILLE, VA				
1598	3/8	(10.0)	TTG	U	12	3/16	(5.0)	TTG	U
TEMPERED GLASS INC; AUSTELL, GA					14	1/4	(6.0)	TTG	U
862	3/16	(5.0)	TTG	U	93	3/8	(10.0)	TTG	U
863	1/4	(6.0)	TTG	U	94	1/2	(12.0)	TTG	U
865	3/8	(10.0)	TTG	U	95	3/4	(19.0)	TTG	U
866	1/2	(12.0)	TTG	U	VITRERIE APRIL INC; MONTREAL, QC, CANADA				
TEMPGLASS GROUP INC; PERRYSBURG, OH					1996	1/8	(3.0)	TTG	U
1039	1/8	(3.0)	TTG	U	1997	3/16	(5.0)	TTG	U
592	3/16	(5.0)	TTG	U	2062	1/2	(12.0)	TTG	U
1420	1/4	(6.0)	TTG	U	2063	5/8	(15.0)	TTG	U
594	3/8	(10.0)	TTG	U	WESTSHORE GLASS; TAMPA, FL				
595	1/2	(12.0)	TTG	U	1970	1/8	(3.0)	TTG	U
TEMPGLASS GROUP INC; MIAMI, FL					1971	5/32	(4.0)	TTG	U
1744	3/16	(5.0)	TTG	U	1972	3/16	(5.0)	TTG	U
1745	1/4	(6.0)	TTG	U	1973	1/4	(6.0)	TTG	U
1746	3/8	(10.0)	TTG	U	1978	3/8	(10.0)	TTG	U
1747	1/2	(12.0)	TTG	U	1974	1/2	(12.0)	TTG	U
TRACO (THREE RIVERS ALUM); RED OAK, IA					1975	3/4	(19.0)	TTG	U
1308	1/8	(3.0)	TTG	U					
1310	3/16	(5.0)	TTG	U					
1311	1/4	(6.0)	TTG	U					

SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC #	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
<u>CERTIFIED PRODUCTS KEY</u>									
TTG	=		TEMPERED TRANSPARENT GLASS						
TPG	=		TEMPERED PATTERNED GLASS						
TBG	=		TEMPERED BENT GLASS						
TBP	=		TEMPERED BENT PATTERNED GLASS						
LTG	=		LAMINATED TRANSPARENT GLASS						
LPG	=		LAMINATED PATTERNED GLASS						
LSP	=		LAMINATED SPECIALTY PRODUCTS						
OCG	=		ORGANIC COATED GLASS						
SPS	=		SAFETY PLASTIC SHEET						
(S)	=		SHALLOW PATTERN						
(M)	=		MEDIUM PATTERN						
(D)	=		DEEP PATTERN						
(B)	=		POLY VINYL BUTRAL INTERLAYER						
(L)	=		LIQUID RESIN INTERLAYER						
(P)	=		POLYETHYLENE TERPHTHALATE						
			INTERLAYER						
(F)	=		FLUORINATED ETHYLENE PROPYLENE						
			INTERLAYER						
(H)	=		HYBRID						
U	=		UNLIMITED SIZE CATEGORY						

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS				
3/32 inch tempered transparent glass				
Summit Window & Patio Door; Yakima, WA	2066		750	U
1/8 inch tempered transparent glass				
ACI Distribution; Dallas, TX	1919		550	U
AFG Industries Inc; Bridgeport, WV	1436		400	U
AFG Industries Inc; Greenland, TN	598		300	U
AFG Industries Inc; Kinsport, TN	1390		300	U
AFG Industries Inc; Spring Hills, KS	1702		500	U
AFG Industries Inc; Victorville, CA	1664		250	U
AFGD; Div of AFG Inds Ltd; London, Ontario, CAN	1872		400	U
AFGD FPD; Concord, Ontario, CAN	1485		400	U
American Flat Glass Dist; Alvarado, TX	1708		550	U
American Flat Glass Dist; Richmond, VA	2016		100	U
American Flat Glass Dist; Fall River, MA	1518		400	U
American Flat Glass Dist; Marietta, GA	1405	ANSI ONLY	300	U
Anthony's Mfg Inc.; San Fernando, CA	520	ANSI ONLY	250	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2078	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Kansas City, KS	2086	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Memphis, TN	2091	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Villa Rica, GA	1765	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Orlando, FL	1526	ANSI ONLY	300	U
Ardco, Inc.; Chicago, IL	1041	CPSC ONLY	400	U
Cardinal CG; Buford, GA	1921	CPSC ONLY	300	U
Cardinal CG; Tumwater, WA	2007	CPSC ONLY	750	U
Cardinal IG; Greenfield, IA	1827	CPSC ONLY	500	U
Cardinal IG; Spring Green, WI	1831	CPSC ONLY	500	U
Cardinal TG; Tomah, WI	1804		500	U
Commercial Insulating Glass Co; Sarasota, FL	1889		300	31" by 76"
Consolidated Glass Corp; New Castle, PA	1998		400	U
Contour Industries; Surgoinsville, TN	1680		300	18" by 76"
Coraglass Inc.; Reform, AL	1908		300	U
D & S Tempered Glass; Dallas, TX	1653		50	U
D & W Incorporated; Elkhart, IN	2027		200	28" by 42"
Downey Glass Co; Los Angeles, CA	1608		250	U
Edge Seal Technologies; Walton Hills, OH	2050		200	U
Floral Glass & Mirror; Hauppauge, NY	1546		400	U
Four Seasons Solar Prodcuts; Holbrook, NY	1791		275	U
Free State Glass Industries; Warrenton, VA	1590		100	U
Gardner Mirror Corporation; N. Wilkesboro, NC	1931		300	U
Gemtron - Sweetwater; Sweetwater, TN	1334		300	U
Gemtron-Vincennes; Vincennes, IN	54		200	U
The Glass Factory; Ronkonkoma, NY	1458	ANSI ONLY	400	U
Guardian Fabrication; Millbury, OH	1574	ANSI ONLY	200	U
Guardian Fabrication; Rogers, AR	1355	ANSI ONLY	550	U
Guardian Fabrication; Webster, MA	300	ANSI ONLY	400	U
Guardian Industries; Carleton, MI	933	ANSI ONLY	200	U
Guardian Industries; Corsicana, TX	1248	ANSI ONLY	550	U
Guardian Industries; Fort Lauderdale, FL	1161	ANSI ONLY	300	24" by 30"
Guardian Industries; Kingsburg, CA	968	ANSI ONLY	550	U
Guardian Industries; Richburg, SC	1630	ANSI ONLY	300	U
Guardian Industres; DeWitt, IA	2020	ANSI ONLY	500	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued				
1/8 inch tempered transparent glass - continued				
Guardian Industries; Tillsonburg, Ontario, CAN	1462	ANSI ONLY	400	U
Guardian Inds Corp-Lewistown, Lewistown, PA	1627	ANSI ONLY	200	U
Guardian Walled Lake Fab; Walled Lake, MI	1885	ANSI ONLY	400	U
Hoffer's Inc.; Schofield, WI	1595		75	U
J E Berkowitz; Westville, NJ	1989		100	U
Marvin Windows; Warroad, MN	1689		400	U
Midwest Air Technologies; Lincolnshire, IL	2061		400	34" by 40"
Nashville Tempered Glass; Nashville, TN	1416		200	U
Patio Enclosures Inc.; Macedonia, OH	2056		200	U
perilstein Distributing Corp; Cheswick, PA	1784		400	U
PPG Industries; Carlisle, PA	250		400	U
PPG Industries; Fresno, CA	295		250	U
PPG Industries; Burlington, IA	1605		500	U
PPG Industries; Wichita Falls, TX	1110		550	U
Prelco Inc.; Quebec, CAN	2034		400	U
Specialty Building Products; New Westminster, BC, CAN	2121		400	22" bu 46"
Sterling Plumbing Group; Union City, TN	1979		550	U
Summit Window & Patio Door; Yakima, WA	1799		750	U
Sunbelt Glass, Inc; Tulsa, OK	1453		550	U
Swift Glass Co., Inc; Elmira Heights, NY	1555		400	U
Taylor Products Inc; Payne, OH	1586		200	U
Tempglass Group Inc; Perrysburg, OH	1039		200	U
TRACO (Three Rivers Alum.); Red Oak, IA	1308		100	U
U S Precision Glass; Elgin, IL	1369		200	U
U S Precision Glass; Lewisburg, OH	1050		200	U
Vitrerie April Inc; Montreal, Quebec, CAN	1996		400	U
Westshore Glass; Tampa, FL	1970		600	U
5/32 inch tempered transparent glass				
AFG Industries; Bridgeport, WV	1634		400	U
AFG Industries; Victorville, CA	1641		250	U
AFG Industries; Greenland, TN	955		300	U
AFG Industries; Kingsport, TN	949		300	U
AFG Industries Inc; Spring Hills, KS	1703		500	U
AFGD; Div of AFG Inds Ltd; London, Ontario, CAN	1873		400	U
AFGD FPD; Concord, Ontario CAN	1486		400	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CAN	1754		400	U
American Flat Glass Dist; Richmond, VA	2031		100	U
American Flat Glass dist; Marietta, GA	1967		300	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2079	ANSI ONLY	300	U
Cardinal CG; Buford, GA	1922	CPSC ONLY	300	U
Cardinal CG; Tumwater, WA	2008	CPSC ONLY	750	U
Cardinal IG; Greenfield, IA	1828	CPSC ONLY	500	U
Cardinal IG; Spring Green, WI	1832	CPSC ONLY	500	U
Cardinal TG; Tomah, WI	1805	CPSC ONLY	500	U

<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
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TEMPERED TRANSPARENT GLASS - continued
5/32 inch tempered transparent glass - continued

Consolidated Glass Corp; New Castle, PA	1999	400	U
Craglass Inc; Reform, AL	1909	300	U
D & S Tempered Glass; Dallas, TX	1654	550	U
D & W Incorporated; Elkhart, IN	2028	200	28" by 42"
Downey Glass Co; Los Angeles, CA	1609	250	U
Edge Seal Technologies; Walton Hills, OH	2051	200	U
Gardner Mirror Corporation; N. Wilkesboro, NC	1932	300	U
Gemtron - Sweetwater; Sweetwater, TN	1332	300	U
Gemtron - Vincennes; Vincennes, IN	1385	200	U
Guardian Fabrication; Millbury, OH	1575	200	U
Guardian Fabrication; Rogers, AR	1616	550	U
Guardian Fabrication; Webster, MA	1607	400	U
Guardian Industries; Carleton, MI	934	200	U
Guardian Industries; Corsicaca, TX	1249	550	U
Guardian Industries; Kingsburg, CA	969	550	U
Guardian Industries; Richburg, SC	1631	300	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1866	400	U
Guardian Inds Corp; Dewitt, IA	2021	500	U
Hoffer's Glass Products; Schofield, WI	1862	75	U
Marvin Windows; Warroad, MN	1723	400	U
patio Enclosures Inc; Macedonia, OH	2057	200	U
PPG Industries; Carlisle, PA	675	400	U
PPG Industries; Fresno, CA	676	250	U
PPG Industries; Burlington, IA	1606	500	U
PPG Industries; Wichita Falls, TX	1111	550	U
Prelco Inc; Quebec, CAN	2035	400	U
Shaw Glass Co Inc; South Easton, MA	1792	400	U
Sterling Plumbing Group; Union City, TN	1980	550	U
Sunbelt Glass Inc; Tulsa, OK	1870	550	U
Taylor Products Inc; Payne, OH	1587	400	U
U S Precision Glass; Elgin, IL	1370	200	U
U S Precision Glass; Lewisburg, OH	1452	200	U
Westshore Glass; Tampa, FL	1971	600	U

3/16 inch tempered transparent glass

AFG Industries; Victorville, CA	1663	250	U
ACI Distribution; Greensboro, NC	1642	300	U
ACI Distribution; Dallas, TX	400	550	U
ACI Distribution; Santa Fe Springs, CA	1157	250	U
AFG Industries; Bridgeport, WV	1795	400	U
AFG Industries; Greenland, TN	220	300	U
AfG Industries; Kingsport, TN	28	300	U
AFG Industries Inc; Spring Hills, KS	1704	500	U
AFGD; Div of AFG Inds Ltd; London, Ontario, CAN	1874	400	U
AFGD FPD; Concord, Ontario CAN	1945	400	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CAN	1755	400	U
American Flat Glass Dist; Alvarado, TX	1709	550	U
American Flat Glass Dist; Richmond, VA	1956	100	U
American Flat Glass Dist; Fall River, MA	1519	400	U
American Flat Glass Dist; Marietta, GA	1230	300	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued				
3/16 inch tempered transparent glass - continued				
Anthony's Mfg Inds; San Fernando, CA	999	ANSI ONLY	250	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2080	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Kansas City, KS	2087	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Memphis, TN	2092	ANSI ONLY	300	U
Arch Aluminum & Glass L.C. ; Villa Rica, GA	1766	ANSI ONLY	300	U
Arch Aluminum & Glass L.C. ; Orlando, FL	1527	ANSI ONLY	600	U
Ardco Inc; Chicago, IL	1042		400	U
Cardinal CG; Buford, GA	1923	CPSC ONLY	300	U
Cardinal CG; Tumwater, WA	2009	CPSC ONLY	750	U
Cardinal IG; Greenfield, IA	1829	CPSC ONLY	500	U
Cardinal IG; Spring Green, WI	1833	CPSC ONLY	500	U
Cardinal TG; Tomah, WI	1806	CPSC ONLY	500	U
Commercial Insulating Glass Co; Sarasota, FL	1890		600	31" by 76"
Consolidated Glass Corp; New Castle, PA	2005		400	U
Contour Industries; Surgoinsville, TN	1678		300	18" by 76"
Coraglass Inc; Reform, AL	1910		300	U
D & S Tempered Glass; Dallas, TX	1655		550	U
D & W Incorporated; Elkhart, IN	2029		200	28" by 42"
Downey Glass Co; Los Angeles, CA	630		250	U
Edge Seal Technologies; Walton Hills, OH	2052		200	U
Efco Corp; Monett, MO	1901		100	U
Floral Glass & Mirror; Hauppauge, NY	1547		400	U
Free State Glass Industries; Warrenton, VA	1591		100	U
Gardner Mirror Corporation; N Wilkesboro, NC	1933		300	U
Gemtron-Sweetwater; Sweetwater, TN	1201		300	U
Gemtron-Vincennes; Vincennes, IN	1200		200	U
The Glass Factory; Ronkonkoma, NY	1459	ANSI ONLY	400	U
Guardian Fabrication, Millbury, OH	1576	ANSI ONLY	200	U
Guardian Fabrication; Rogers, AR	1356	ANSI ONLY	550	U
Guardian Fabrication; Webster, MA	1216	ANSI ONLY	400	U
Guardian Industries; Carleton, MI	631	ANSI ONLY	200	U
Guardian Industries; Corsicana, TX	1250	ANSI ONLY	550	U
Guardian Industries; Fort Lauderdale, FL	633	ANSI ONLY	600	24" by 30"
Guardian Industries; Kingsburg, CA	970	ANSI ONLY	550	U
Guardian Industries; Richburg, SC	1632	ANSI ONLY	300	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1628	ANSI ONLY	400	U
Guardian Inds Corp; Dewitt, IA	2022		500	U
Hoffer's Inc; Schofield, WI	1596		75	U
Interpane Glass Company; Clinton, NC	1073		600	U
Interpane Glass Co.; Deerfield, WI	2042		975	U
Laminated Glass Corp; Telford, PA	2014		275	U
Marvin Windows; Warroad, MN	1690		400	U
Nashville Tempered Glass; Nashville, TN	1467		200	U
North American Glass; Bensenville, IL	1381		200	U
Northwestern Industries; Seattle, WA	1638		750	U
Patio Enclosures Inc; Macedonia, OH	2058		200	U
Perilstein Distributing Corp; Cheswick, PA	1785		400	U
PPG Industries; Carlisle, PA	249		400	U
PPG Industries; Fresno, CA	64		250	U
PPG Industries; Burlington, IA	1603		500	U
PPG Industries; Wichita Falls, TX	1112		550	U

<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
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TEMPERED TRANSPARENT GLASS - continued
3/16 inch tempered transparent glass - continued

Prelco Inc; Quebec, CAN	2036	400	U
Shaw Glass Co Inc; South Easton, MA	1871	400	U
Sterling Plumbing Group; Union City, TN	1981	550	U
Summit Window & Patio Door; Yakima, WA	1800	750	U
Sunbelt Glass Inc; Tulsa, OK	1454	550	U
Swift Glass Co Inc; Elmira Heights, NY	1556	400	U
Taylor Products, Inc; Payne, OH	1588	400	U
Tempered Glass Inc; Austell, GA	862	300	U
Tempglass Group Inc; Perrysburg; OH	592	200	U
Tempglass Group Inc; Miami, FL	1744	600	U
TRACO (Three Rivers Alum); Red Oak, IA	1310	100	U
U S Precision Glass; Elgin, IL	1371	200	U
U S Precision Glass; Lewisburg, OH	185	200	U
Vegla; Aachen, Germany	1941	400	U
Viracon Inc; Owatonna, MN	1403	75	U
Tempglass Group Inc; Miami, FL	1744	300	U
Traco(Three Rivers Alum); Red Oak, IA	1310	100	U
U S Precision Glass; Elgin, IL	1371	200	U
U S Precision Glass; Jefferson, TX	1286	550	U
U S Precision Glass; Lewisburg, OH	185	200	U
Viracon Inc; Owatonna, MN	1403	75	U
Virginia Glass Products; Martinsville, VA	12	600	U
Gitrerie April Inc; Montreal, Quebec, CAN	1997	400	U
Westshore Glass; Tampa, FL	1972	600	U

1/4 inch tempered transparent glass

ACI Distribution; Greensboro, NC	1643	300	U
ACI Distribution; Dallas, TX	402	550	U
ACI Distribution; Santa Clara, CA	1496	250	U
ACI Distribution; Santa Fe Springs, CA	1535	250	U
AFG Industries; Bridgeport, WV	1794	400	U
AFG Industries; Victorville, CA	1925	250	U
AFG Industries; Greenland, TN	89	300	U
AFG Industries; Kingsport, TN	24	300	U
AFG Industries Inc; Spring Hills, KS	1705	500	U
AFGD; Div of AFG Inds Ltd; London, Ontario, CAN	1875	400	U
AFGD FPD; Concord, Ontario CAN	1489	400	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CAN	1756	400	U
American Flat Glass Dist; Alvarado, TX	1710	550	U
American Flat Glass Dist; Richmond, VA	1957	100	U
American Flat Glass Dist; Fall River, MA	1520	400	U
American Flat Glass dist; Marietta, GA	1231	300	U
Anthony's Mfg Inc; San Fernando, CA	1000	250	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2081	ANSI ONLY 300	U
Arch Aluminum & Glass L.C.; Kansas City, KS	2088	ANSI ONLY 300	U
Arch Aluminum & Glass L.C.; Memphis, TN	2094	ANSI ONLY 300	U
Arch Aluminum & Glass L.C. ; Villa Rica, GA	1767	ANSI ONLY 300	U
Arch Aluminum & Glass L.C. ; Orlando, FL	1528	ANSI ONLY 600	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued				
1/4 inch tempered transparent glass - continued				
Cardinal CG; Buford, GA	1924	CPSC ONLY	300	U
Cardinal CG; Tumwater, WA	2010	CPSC ONLY	750	U
Cardinal IG; Greenfield, IA	1830	CPSC ONLY	500	U
Cardinal IG; Spring Green, WI	1834	CPSC ONLY	500	U
Cardinal TG; Tomah, WI	1807	CPSC ONLY	500	U
Colonial Mirror & Glass Corp; Brooklyn, NY	1847		400	U
Commercial Indulating Glass Co; Sarasota, FL	1891		600	31" by 76"
Consolidated Glass Corp; New Castle, PA	2002		400	U
Contour Industries; Surgoinsville, TN	1677		300	18" by 76"
Coraglass Inc; Reform, AL	1911		300	U
D & S Tempered Glass; Dallas, TX	1656		550	U
D & W Incorporated; Elkhart, IN	2030		200	28" by 42"
Downey Glass Co; Los Angeles, CA	514		250	U
Edge Seal Technologies; Walton Hills, OH	2055		200	U
Efco Corp; Monett, MO	1902		100	U
Floral Glass & Mirror; Hauppauge, NY	1548		400	U
Free State Glass Industries; Warrenton, VA	1592		100	U
Gardner Mirror Corporation; N. Wilkesboro, NC	1934		300	U
Gemtron - Sweetwater; Sweetwater, TN	1477		300	U
Gemtron - Vincennes; Vincennes, IN	57		200	u
The Glass Factory; Ronkonkoma, NY	1460		400	U
Guardian Fabrication; Millbury, OH	1577	ANSI ONLY	200	U
Guardian Fabrication; Rogers, AR	1357	ANSI ONLY	550	U
Guardian Fabrication; Webster, MA	662	ANSI ONLY	400	U
Guardian Industries; Carleton, MI	131	ANSI ONLY	200	U
Guardian Industries; Corsicana, TX	1251	ANSI ONLY	550	U
Guardian Industries; Fort Lauderdale, FL	40	ANSI ONLY	600	24" by 25"
Guardian Industries; Kingsburg, CA	971	ANSI ONLY	550	U
Guardian Industries; Richburg, SC	1633	ANSI ONLY	300	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1629	ANSI ONLY	400	U
Guardian Inds Corp; Dewitt, IA	2023	ANSI ONLY	500	U
Hoffer's Inc; Schofield, WI	1597		75	U
Interpane Glass Company; Clinton, NC	1074		600	U
Interpane Glass Co.; Deerfield, WI	2043		975	U
J E Berkoitz; Westville, NJ	1990		100	U
Laminated Glass Corp; Telford, PA	1879		275	U
Marvin Windows; Warroad, MN	1691		400	U
Milgard Tempering Inc; Tacoma, WA	1578		750	U
Nashville Tempered Glass; Nashville, TN	1417		200	U
North American Glass; Bensenville, IL	1382		200	U
Northwestern Industries; Seattle, WA	1639		750	U
Patio Enclosures Inc; Macedonia, OH	2059		200	U
Perilstein Distributing Corp; Cheswick, PA	1786		400	U
PPG Industries; Carlisle, PA	382	ANSI ONLY	400	U
PPG Industries; Burlington, IA	1604		500	U
PPG Industries; Wichita Falls, TX	1113	ANSI ONLY	550	U
Prelco Inc; Quebec, CAN	2015		400	U
SAFTI; San Francisco, CA	1953		950	U
Shaw Glass Co Inc; South Easton, MA	1035		400	U
Sterling Plumbing Group; Union City, TN	1982		550	U

<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
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TEMPERED TRANSPARENT GLASS - continued
1/4 inch tempered transparent glass - continued

Summit Window & Patio Door; Yakima, WA	1801	750	U
Sunbelt Glass Inc; Tulsa, OK	1455	550	U
Swift Glass Co Inc; Elmira Heights, NY	1557	400	U
Taylor Products, Inc; Payne, OH	1589	400	U
Tempered Glass Inc; Austell, GA	863	300	U
Tempglass Group Inc; Perrysburg; OH	1420	200	U
Tempglass Group Inc; Miami, FL	1745	600	U
TRACO (Three Rivers Alum); Red Oak, IA	1311	100	U
U S Precision Glass; Elgin, IL	1372	200	U
U S Precision Glass; Lewisburg, OH	186	200	U
Vegla; Aachen, Germany	1942	400	U
Viracon Inc; Owatonna, MN	1404	75	U
Virginia Glass Products Martinsville, VA	14	600	U
Westshore Glass; Tampa, FL	1973	600	U

5/16 inch tempered transparent glass

Gardner Mirror Corporation; N Wilkesboro, NC	1968	300	U
Guardian Industries; Corsicana, TX	1826	550	U
Interpane Glass Company; Clinton, NC	1075	600	U
Interpane Glass Co; Deerfield, WI	2044	975	U
Prelco Inc; Quebec, CAN	2046	400	U
Tai E Management; Taipei, Taiwan	2129	400	U

3/8 inch tempered transparent glass

ACI Distribution; Greensboro, NC	1644	300	U
ACI Distribution; Dallas, TX	1107	500	U
ACI Distribution; Santa Clara, CA	1497	250	U
ACI Distribution; Santa Fe Springs, CA	1179	250	U
AFG Industries; Greenland, TN	90	300	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CAN	1757	400	U
American Flat Glass Dist; Alvarado, TX	1711	550	U
American Flat Glass Dist; Richmond, VA	1958	100	U
American Flat Glass Dist; Fall River, MA	1521	400	U
American Flat Glass dist; Marietta, GA	1232	300	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2082	300	U
Arch Aluminum & Glass L.C.; Kansas City, KS	2089	300	U
Arch Aluminum & Glass L.C.; Memphis, TN	2095	300	U
Arch Aluminum & Glass L.C.; Villa Rica, GA	1768	300	U
Arch Aluminum & Glass L.C.; Orlando, FL	1895	600	U
Colonial Mirror & Glass Corp; Brooklyn, NY	1848	400	U
Consolidated Glass Corp; New Castle, PA	2003	400	U
D & S Tempered Glass; Dallas, TX	1657	550	U
Downey Glass Co; Los Angeles, CA	515	250	U
Floral Glass & Mirror; Hauppauge, NY	1549	400	U
Free State Glass Industries; Warrenton, VA	1593	100	U
Gardner Mirror Corporation; N. Wilkesboro, NC	1935	300	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued				
3/8 inch tempered transparent glass				
Guardian Fabrication; Webster, MA	471	ANSI ONLY	400	U
Guardian Industries; Corsicana, TX	1253	ANSI ONLY	550	U
Guardian Industries; Richburg, SC	1634	ANSI ONLY	300	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1867	ANSI ONLY	400	U
Hoffer's Inc; Schofield, WI	1796		75	U
Interpane Glass Company; Clinton, NC	1076		600	U
Interpane Glass Co.; Deerfield, WI	2045		975	U
Laminated Glass Corp; Telford, PA	1880		275	U
North American Glass; Bensenville, IL	1383		200	U
Perilstein Distributing Corp; Cheswick, PA	1787		400	U
Prelco Inc; Quebec, CAN	2047		400	U
Shaw Glass Co Inc; South Easton, MA	1036		400	U
Sunbelt Glass Inc; Tulsa, OK	1456		550	U
Swift Glass Co Inc; Elmira Heights, NY	1558		400	U
Taylor Products, Inc; Payne, OH	1598		600	U
Tempered Glass Inc; Austell, GA	865		300	U
Tempglass Group Inc; Perrysburg; OH	594		200	U
Tempglass Group Inc; Miami, FL	1746		600	U
U S Precision Glass; Elgin, IL	1854		200	U
Viracon Inc; Owatonna, MN	1508		75	U
Virginia Glass Products Martinsville, VA	93		600	U
Westshore Glass; Tampa, FL	1978		600	U
1/2 inch tempered transparent glass				
ACI Distribution; Greensboro, NC	1645		300	U
ACI Distribution; Dallas, TX	1108		550	U
ACI Distribution; Santa Clara, CA	1498		250	U
ACI Distribution; Santa Fe Springs, CA	640		250	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CAN	1758		400	U
American Flat Glass Dist; Alvarado, TX	1712		550	U
American Flat Glass Dist; Richmond, VA	1959		100	U
American Flat Glass Dist; Fall River, MA	1522		400	U
American Flat Glass dist; Marietta, GA	1406		300	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2083	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Kansas City, KS	2090	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Memphis, TN	2096	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Villa Rica, GA	1769	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Orlando, FL	1530	ANSI ONLY	600	U
Colonial Mirror & Glass Corp; Brooklyn, NY	1929		400	U
Consolidated Glass Corp; New Castle, PA	2004		400	U
D & S Tempered Glass; Dallas, TX	1658		550	U
Downey Glass Co; Los Angeles, CA	516		250	U
Floral Glass & Mirror; Hauppauge, NY	1550		400	U
Free State Glass Industries; Warrenton, VA	1594		100	U
Gardner Mirror Corporation; N. Wilkesboro, NC	1936		300	U
The Glass Factory; Ronkonkoma, NY	1461		400	U
Guardian Fabrication; Webster, MA	1234	ANSI ONLY	400	U
Guardian Industries; Corsicana, TX	1803	ANSI ONLY	550	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1868	ANSI ONLY	400	U

	<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued			
1/2 inch tempered transparent glass-continued			
Hoffer's Inc; Schofield, WI	1797	75	U
Interpane Glass Company; Clinton, NC	1077	600	U
J E Berkowitz; Westville, NJ	1991	100	U
Laminated Glass Corp; Telford, PA	1881	275	U
North American Glass; Bensenville, IL	1384	200	U
Perilstein Distributing Corp; Cheswick, PA	1788	400	U
Prelco Inc; Quebec, CAN	2048	400	U
SAFTI; San Francisco, CA	1954	950	U
Shaw Glass Co Inc; South Easton, MA	1039	550	U
Sunbelt Glass Inc; Tulsa, OK	1457	400	U
Swift Glass Co Inc; Elmira Heights, NY	1559	300	U
Tai E Management; Taipei, Taiwan	2130	400	U
Tempered Glass Inc; Austell, GA	866	200	U
Tempglass Group Inc; Perrysburg; OH	595	600	U
Tempglass Group Inc; Miami, FL	1747	75	U
Viracon Inc; Owatonna, MN	1509	600	U
Virginia Glass Products Martinsville, VA	94	400	U
Vitrierie April; Montreal, QC, CANADA	2062	400	U
Westshore Glass; Tampa, FL	1974	600	U
5/8 inch tempered transparent glass			
Consolidated Glass Corp; New Castle, PA	2060	400	U
Prelco Inc; Quebec, CANADA	2049	400	U
Vitrierie April Inc; Montreal, QC, CANADA	2063	400	U
3/4 inch tempered transparent glass			
ACI Distribution; Dallas, TX	1225	550	U
Arch Aluminum & Glass L.C.; Orlando, FL	1835	ANSI ONLY 600	U
D & S Tempered Glass, Dallas, TX	1965	550	U
Downey Glass Co; Los Angeles, CA	2074	250	U
Floral Glass & Mirror; Hauppauge, NY	1551	400	U
Gardner Mirror Corporation; N Wilkesboro, NC	1937	300	U
Virginia Glass Products, Martinsville, VA	95	600	U
Westshore Glass; Tampa, FL	1975	600	U
1/8 inch tempered patterned glass (shallow)			
ACI Distribution; Santa Fe Springs, CA	1861	250	U
AFG Inds Inc; Greenland, TN	1587	300	U
Arch Aluminum & Glass L.C.; Villa Rica, GA	1531	ANSI ONLY 300	U
Cardinal IG; Greenfield, IA	1841	CPSC ONLY 500	U
Cardinal IG; Spring Green, WI	1844	CPSC ONLY 500	34" by 60"
Commercial Insulating Glass Co; Sarasota, FL	1892	300	31" by 76"
Contour Inds Inc; Surgoinsville, TN	1676	300	18" by 76"
Coraglass Inc; Reform, AL	1962	300	U
D & S Tempered Glass; Dallas, TX	1659	550	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED PATTERNED GLASS - continued				
1/8 inch tempered patterned glass (shallow)				
Gemtron - Sweetwater; Sweetwater, TN	1422		300	U
Guardian Fabrication Inc; Rogers, AR	1358	ANSI ONLY	550	U
Guardian Industries; Corsicana, TX	1463	ANSI ONLY	550	U
Guardian Industries; Ft Lauderdale, FL	1665	ANSI ONLY	600	24" by 30"
Guardian Industries; Richburg, SC	1683	ANSI ONLY	300	U
Marvin Windows; Warroad, MN	1724		400	U
Perilstein Distributing Corp; Cheswick, PA	1789		400	U
Sterling Plumbing Group; Union City, TN	1983		550	U
Summitt Window & Patio Door; Yakima, WA	1802		750	U
5/32 inch tempered patterned glass (shallow)				
American Flat Glass Dist; Alvarado, TX	1713		550	U
American Flat Glass Dist; Richmond, VA	1960		100	U
American Flat Glass Dist; Marietta, GA	1428		300	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2084	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Kansas City, KS	2098	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Orlando, FL	1682	ANSI ONLY	600	U
Arch Aluminum & Glass L.C.; Villa Rica, GA	2100	ANSI ONLY	300	U
Cardinal IG; Greenfield, IA	1842	CPSC ONLY	500	U
Cardinal IG; Spring Green, WI	1845	CPSC ONLY	500	U
Coraglass Inc, Reform, AL	1963		300	U
D & S Tempered Glass; Dallas, TX	1660		550	U
Downey Glass Co; Los Angeles, CA	2075		250	U
Gemtron - Sweetwater; Sweetwater, TN	1424		300	U
Gemtron - Vincennes; Vincennes, IN	1386		200	U
Guardian Fabrication; Rogers, AR	1359	ANSI ONLY	550	U
Guardian Industries; Corsicana, TX	1737	ANSI ONLY	550	U
Guardian Industries; Richburg, SC	1635	ANSI ONLY	300	U
Guardian Industries; Kingsburg, CA	1301	ANSI ONLY	250	U
Sunbelt Glass, Inc; Tulsa, OK	1617		550	U
3/16 inch tempered patterned glass (shallow)				
ACI Distribution; Dallas, TX	1728		550	U
AFG Industries Greenland, TN	1139		300	U
AFG Industries; Kingsport, TN	1143		300	U
American Flat Glass Dist; Alvarado, TX	1714		550	U
American Flat Glass Dist; Richmond, VA	1961		100	U
American Flat Glass Dist; Fall River, MA	1523		400	U
Arch Aluminum & Glass L.C.; Indianapolis, IN	2085	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Kansas City, KS	2099	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Orlando, FL	1562	ANSI ONLY	600	U
Cardinal IG; Greenfield, IA	1843	CPSC ONLY	500	U
Cardinal IG; Spring Green, WI	1846	CPSC ONLY	500	U
Commercial Insulating Glass; Sarasota, FL	1894		600	31" by 76"
Coraglass Inc; Reform, AL	1964		300	U
D & S Tempered Glass; Dallas, TX	1661		550	U
Downey Glass Co; Los Angeles, CA	935		250	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
TEMPERED PATTERNED GLASS - continued				
3/16 inch tempered patterned glass (shallow)				
Gemtron - Vincennes; Vincennes, IN	1387		200	24" by 30"
Guardian Inds Corp; Ft Lauderdale, FL	1318	ANSI ONLY	300	U
Guardian Inds Corp; Kingsburg, CA	1304	ANSI ONLY	250	U
Guardian Inds Corp; Richburg, SC	1865	ANSI ONLY	300	U
Hoffer's Inc; Schofield, WI	1798		400	U
Marvin Windows; Warroad, MN	1701		400	U
Perilstein Distributing Corp; Cheswick, PA	1790		400	U
Shaw Glass Co Inc; South Easton, MA	1939		400	U
Sterling Plumbing Group; Union City, TN	1984		300	U
Sunbelt Glass Inc; tulsa, OK	1618		200	U
U S Precision Glass; Lewisburg, OH	188	ANSI ONLY	550	U
7/32 inch tempered patterned glass (shallow)				
Arch Aluminum & Glass L.C.; Memphis, TN	2093	ANSI ONLY	300	U
Arch Aluminum & Glass L.C.; Villa Rica, GA	2097	ANSI ONLY	300	U
Downey Glass Co; Los Angeles, CA	678		250	U
Guardian Industries; Corsicana, TX	1464	ANSI ONLY	550	U
1/4 inch tempered patterned glass (shallow)				
Guardian Industries; Kingsburg, CA	1882	ANSI ONLY	550	U
1/8-inch tempered patterned glass (medium)				
AFG Industries; Kingsport, TN	1414		300	U
Downey Glass Co; Los Angeles, CA	1611		250	U
Guardian Industries; Kingsburg, CA	1303	ANSI ONLY	550	U
U S Precision Glass; Lewisburg, OH	654	ANSI ONLY	200	U
5/32-inch tempered patterned glass (medium)				
Guardian Industries; Kingsburg, CA	1301	ANSI ONLY	550	U
3/16-inch tempered patterned glass (medium)				
American Flat Glass Dist; Marietta, GA	2054		300	U
1/8-inch tempered patterned glass (deep)				
D & S Tempered Glass; Dallas, TX	2065		550	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
3/16-inch tempered patterned glass (deep)				
U S Precision Glass; Lewisburg, OH	328	ANSI ONLY	200	U
TEMPERED BENT TRANSPARENT GLASS				
5/32-inch tempered bent trans. glass				
Ardco Inc; Chicago, IL	1563		400	U
Sovis SA; Thierry, France	1992		400	U
TEMPERED BENT TRANSPARENT GLASS-continued				
3/16-inch tempered bent trans. glass				
Ardco Inc; Chicago, IL	1564		400	U
North American Glass; Bensenville, IL	1808		200	U
Sovis SA; Thierry, France	1938		400	U
1/4-inch tempered bent trans. glass				
Ardco Inc; Chicago, IL	1565		400	U
North American Glass; Bensenville, IL	1809		200	U
Sovis SA; Thierry, France	1864		400	U
3/8-inch tempered bent trans. glass				
North American Glass; Bensenville, IL	1536		200	U
1/2-inch tempered bent trans. glass				
North American Glass; Bensenville, IL	2053		200	U
TEMPERED BENT PATTERNED GLASS				
3/16 inch tempered bent patterned glass (shallow)				
Ardco, Inc; Chicago, IL	1951		400	U
1/4-inch tempered bent patterned glass (shallow)				
Ardco Inc; Chicago, IL	2006		400	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1947	ANSI ONLY	400	U
1/2-inch laminated transparent-butylal				
Guardian Inds Corp-Lewistown; Lewistown, PA	1316	ANSI ONLY	400	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX SIZE CERTIFIED</u>
LAMINATED TRANSPARENT-RESIN				
1/8-inch laminated transparent-resin				
Jarrett Inc; East Palestine, OH	2118		300	U
3/16-inch laminated transparent-resin				
Jarrett Inc; East Palestine, OH	2119		300	U
1/4-inch laminated transparent-resin				
Jarrett Inc; East Palestine, OH	2120		300	U
ORGANIC COATED - HYBRID				
1/8-inch organic coated-hybrid				
Viracon Inc; Owatonna, MN	1883		75	U
5/32-inch organic coated-hybrid				
Guardian Inds Canada Corp; Rexdale, Ontario, CAN	1966	ANSI ONLY	400	U
3/16-inch organic coated-hybrid				
Viracon Inc; Owatonna, MN	1949		75	U
1/4-inch organic coated-hybrid				
Viracon Inc; Owatonna, MN	1884		75	U
LAMINATED SPECIALTY PRODUCTS				
5/16-inch laminated specialty products				
Viracon Inc; Owatonna, MN	1950		75	U
Safety Plastic Sheet				
.080 inch through 0.125 inch acrylic				
Flex-O-Glass Inc; Dixon, IL	118	ANSI ONLY	600	U

ACI DISTRIBUTION
2710 Patterson St
Greensboro NC 27407

AFGD, FABRICATED PRODUCTS DIVISION
75 Doney Crescent
Concord Ontario L4K 1P6
CANADA



TEMPERED/TREMPÉ
ANSI Z97.1 — 1984
16 CFR 1201 II
SGCC 1489 1/4 U
.....

A'S 2! DOT 163 MO8
CAN 2 12.1 8G

ACI DISTRIBUTION
12900 Nicholson Rd
PO Box 815547
Dallas TX 75381-5547

ALL TEAM GLASS & MIRROR LTD
281 Hanlon Rd
Woodbridge Ontario L4L 3R7
CANADA



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

ACI DISTRIBUTION
750 Walsh Ave
Santa Clara CA 95050

AFGD; DIV OF AFG INDS LTD.
384 Exter Rd
London, Ontario N6E 2Z4
CANADA



TEMPERED SAFETY GLASS
16 CFR 1201 CAT. 2
ANSI Z97.1-1984
SGCC 1484 3/16 U



TEMPERED
ANSI Z97.1 1984
16 CFR 1201-II
SGCC 1872 1/8U
CAN 2-12.1

AFG INDS INC
PO Box 929
Kingsport TN 37662

AMERICAN FLAT GLASS DIST
3200 Austell Rd
Marietta GA 30060

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TEMPERED
16 CFR 1201-C II
ANSI Z97.1 1984
1/8U SGCC-1390
AFG 006

BS 6206 A

AFGD
ANSI Z97.1-1984
16CFR 1201-CII
SGCC 1232 3/8" U

ANTHONY'S MFG INC
12364 Gladstone Ave
San Fernando CA 91342



USA
ANSI Z97.1 1984
SGCC 520 1/8U

ARDCO INC
12400 S Laramie Ave
Chicago IL 60658

Ardo TemperBent

ANSI Z97.1-1984
16 CFR 1201-CIE
SGCC-1563 5/32U

ARCH ALUMINUM & GLASS L.C.
540 Industrial Ct W
Villa Rica GA 30180

CARDINAL CG
600 Heraeus Blvd
Buford GA 30518

ARCH ALUMINUM & GLASS L.C.
3320-B Maggie Blvd
Orlando FL 32811

CARDINAL G
700 Pat Kennedy Way SW
Tumwater WA 98501

ARCHITECTURAL SAFETY GLASS
7337 Commercial Circle
Ft Pierce FL 34951

CARDINAL IG
Iowa 25 N
PO Box 99
Greenfield IA 50849

CG #2 TEMPERED
16CFR 1201 II
SGCC-1029 3/16U

CARDINAL IG
1011 E Madison St
Spring Green WI 53588

CONSOLIDATED GLASS CORP
1150 N Cedar St.
New Castle PA 16103

DIAMOND TEMPERED GLASS



16 CFR 1201-11
ANSI Z97.1-1984
SGCC 2008 3/18U

CARDINAL TG
1601 Rusch St
Tomah WI 54660

CONTOUR INDUSTRIES INC
Phipps Bend Rd
PO Box 69
Surgoinville TN 37873

COLONIAL MIRROR & GLASS CORP
35 Kent Ave
Brooklyn NY 11212

CORAGLASS INC
Hwy 17 South
Reform AL 35481

colonial mirror & glass corp.
Glas Steel Tempered Safety Glass
ANSI-Z97.1-1984
16 CFR 1201-II SGCC-1847

COMMERCIAL INSULATING GLASS CO
1155 Porter Rd
Sarasota FL 34240

D & S TEMPERED GLASS
2531 Royal Ln Suite 505
Dallas TX 75229

CIG
TEMPERED
ANSI Z97.1-1984
16 CFR 1201-II
SGCC 1890/1894 3/16L

D & W, INCORPORATED
941 Oak Street
Elkhart IN 46514

FLORAL GLASS & MIRROR INC
895 Motor Pkwy
Hauppauge NY 11788

TemPLUS
FLORAL GLASS & MIRROR
TEMPERED SAFETY GLASS
ANSI Z97.1 1984
16 CFR 1201-I & II
SGCC-1983 7/32 U

DOWNEY GLASS CO
5631 Ferguson Dr
Los Angeles CA 90022

FLEX-O-GLASS INC
1100 N Cicero Ave
Chicago IL 60651

ful-temp
SGCC-888 .125U
ANSI-Z97.1 1984
16 CFR 1201 II
SGCC - 888

Warpz
FLEX-O-GLAZE™
ACRYLIC SAFETY GLAZING
16 CFR 1201 CH 100U
ANSI Z97.1-84 SGCC-118

EDGE SEAL TECHNOLOGIES
7850 Northfield Rd
Walton Hills OH 44146

FOUR SEASONS SOLAR PRODUCTS
5005 Veterans Memorial Hwy
Holbrook NY 11741

FOUR SEASONS
TEMPERED
SAFETY GLASS
16 CFR 1201-C II
ANSI Z97.1-1984
SGCC-1191-780

EFCO CORP
County Rd & Bridle Lane
Monett MO 65708

FREE STATE GLASS INDS
5415 Lee Highway
Warrenton VA 20187

FREE STATE GLASS
TEMPERED SAFETY GLASS
ANSI Z97.1-1984 16 CFR 1201-I & II
SGCC 1982 1/4" U


GARDNER MIRROR CORPORATION

600 Elkin Hwy
North Wilkesboro NC 28659-570

GLOBE-AMERADA GLASS CO(ASSURANCE)

2001 Greenleaf Ave
Elk Grove Village IL 60007

LAMINATED SAFETY GLASS

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



GEMTRON-SWEETWATER

615 Hwy 68
Sweetwater TN 37874

TEMPERED
16 CFR 1201 C II
ANSI Z97.1-1984
3/16 U - SGCC-1201/1202
GEMTRON 121 1985

GUARDIAN FAB INC

2300 Harmon Rd
Auburn Hills MI 48326-1714

 **GUARDIAN**
ROGERS, AR.
TEMPERED
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.....
16 CFR 1201 II



GEMTRON-VINCENNES

2000 Chestnut St
PO Box 217
Vincennes IN 47591

TEMPER-TUF
GEMTRON CORP.
VINCENNES IN
ANSI Z97.1-1984
1/8 U SGCC-54
16 CFR 1201 C II

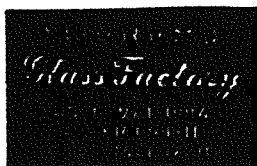
GUARDIAN INDS CORP

2300 Harmon Rd
Auburn Hills MI 48326-1714

 **GUARDIAN**
RICHLAND, S.C.
ANSI Z97.1-1984
SAFETY TEMPERED
SGCC 1630 1/8U
16 CFR 1201 II
C2 09 

GLASS FACTORY INC

5012 Expressway Dr S
Ronkonkoma NY 11779

**GUARDIAN INDS CANADA CORP**

355 Attwell Drive
Rexdale Ontario M9W 5C2
CANADA

HOFFER'S INC

Glass Fabricating Div
5103 Janice Ave
Schofield WI 54476

H-I-T

TEMPERED GLASS

ANSI Z97.1-1984

16CFR 1201 CII

SGCC 1595 1/8

J. E. BERKOWITZ

Delsea Drive & Harvard Ave
Westville, NJ 08093

INTERPANE GLASS COMPANY

E Railroad St
PO Box 408
Clinton NC 28328

LAMINATED GLASS CORP

375 E Church Ave
Telford PA 18969-1003



LAMINATED SAFETY GLASS
16 CFR 1201 - II / ANSI Z97.1-1984
SGCC 1662 1/8 U

AS-1, M-21, DOT 28

INTERPANE GLASS CO

201 Interpane Lane
PO Box 26
Deerfield WI 53531

MARVIN WINDOWS

PO Box 100 Hwy 11 W
Warroad MN 56763

JARRETT INC

217 E Clark St
East Palestine, OH 44413

MIDWEST AIR TECHNOLOGIES

550 Barclay Boulevard
Lincolnshire IL 60069



MIDWEST AIR TECHNOLOGIES, INC.
ANSI Z97.1-1984
16CFR 1201 II
SGCC-2061 1/8-L

MILGARD TEMPERING INC

1010 54th Ave E
PO Box 11368
Tacoma WA 98411-0368



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

NORTHWESTERN INDS INC

2501 W Commodore Way
Seattle WA 98199

MIRROR FACTORY INC


12725 16th Ave N
Plymouth MN 55441

PATIO ENCLOSURES INC.

720 E. Highland Rd
Macedonia, OH 44056

NASHVILLE TEMPERED GLASS CORP

1860 Air Lane Dr
Nashville TN 37210

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

PERILSTEIN DISTRIBUTING CORP

100 Business Center Dr
Cheswick PA 15024

TEMPERED-
SAFETY GLASS



ANSI Z 97.1-1984
16CFR 1201-II
SGCC-1638 3/16 U

NORTH AMERICAN GLASS

1001 Foster Ave
Bensenville IL 60106

PPG INDS INC

One PPG Place
Pittsburgh PA 5272

PPG HERCULITE K
TEMPERED-SAFETY GLASS
16CFR1201 CH
.....
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SGCC-382 6 022588

PRELCO INC
94 Boulevard Cartier
Riviere-du-Loup QC CANADA G5R 2M9

SPECIALTY BUILDING PRODUCTS
400 Ewen Avenue
New Westminster, B.C., V3M 5B2
CANADA

SAFTI
c/o O'Keefe's Inc
75 Williams Avenue
San Francisco CA 4124

STERLING PLUMBING GROUP
2000 N 5th Street
Industrial Park
Union City TN 38261

SHAW GLASS CO INC
55 Bristol Dr
S Easton MA 02375

SUMMIT WINDOW & PATIO DOOR
1015 E Lincoln Ave
Yakima WA 98901

SOLAR TEMP.
16 CFR 1201 11

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1/4 U SGCC 1035

SOVIS S A
c/o Euroglas Glasrep Corp
1 Barker Avenue 5th Floor
White Plains NY 10601

SUNBELT GLASS INC
8531 E 44th St
Tulsa OK 74145

SUNTEMP® 1-87
SAFETY TEMPERED
ANSI Z97.1-1984
16 CFR 1201 CH
SGCC-1453 1/8 U

SWIFT GLASS CO INC
141 W 22nd St
Elmira Heights NY 14903

TEMPGLASS GROUP INC
17851 N W Miami Court
Miami FL 33169

TEMPGLASS, INC.
16 CFR 1291 CII
ANSI Z97.1 - 1984
SGCC 1420
1/4 - U (1)

TAI E MANAGEMENT
4fl, No 110, Sec 2, Chang An East Rd
Taipei, Taiwan, R.O.C.

TRACO (THREE RIVERS ALUM)
71 Progress Avenue
Cranbery Township PA 16066-3596


TRACO VIEW-SAFE
TEMPERED GLASS
ANSI Z97.1-1984
16 CFR 1291 CII
SGCC-1983 1/2U

TAYLOR PRODUCTS INC
N Laura St
PO Box 77
Payne OH 45880

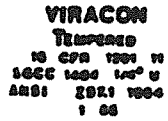
U S PRECISION GLASS
1900 Holmes Rd
Elgin IL 60123

TEMPERED GLASS INC
7160 Delta Circle
Austell GA 30001

VEGLA
c/o O'Keefe's
75 Williams Ave
San Francisco CA 94124

• **Tuf-flex Glass FT 1/3" - 1/2" I** •
• **TEMPERED SAFETY GLASS** •
• **ANSI Z97.1-1984 16 CFR 1291-1411** •
• **SGCC-121 SGCC-063** •

VIRACON INC
800 Park Dr
Owatonna MN 55060



VIRGINIA GLASS PRODUCTS CORP
PO Box 5431
Martinsville VA 24115



VITRERIE APRIL INC
12645 Rue April
Montreal QC CANADA H1B 5P6

WESTSHOE GLASS
5300 Knox Street
PO Box 15216
Tampa FL 33684-5216



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Company: _____

Address: _____

Address: _____

City, St. Zip: _____

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

75	Architectural Testing Inc. 587 First St SW New Brighton MN 55112 Attn: Mr. Daniel P Braun Telephone: 612-636-3835 Telefax: 612-636-3843	400	ITS/ETL Testing Laboratories Inc. 3933 US Route 11 Cortland NY 13045-0950 Attn: Mr. Randy Hill Telephone: 607-753-6711 Telefax: 607-756-9894
100	Architectural Testing Inc. 130 Derry Ct York PA 17402-9405 Attn: Mr. David Moyer Telephone: 717-764-7700 Telefax: 717-764-4129	500	Maxim Technologies/Huntington 3922 Delaware Ave Des Moines IA 50313 Attn: Mr. Carl C Andreasen S E T Telephone: 515-266-5101 Telefax: 515-262-1910
200	Bowser-Morner Inc. 4518 Taylorsville Rd Dayton OH 45424 Attn: Mr. Bob Rosencrans Telephone: 937-236-8805 Telefax: 937-237-9947	550	Maxim Technologies/Southwestern Labs 2200 Gravel Dr Ft Worth TX 76118-7123 Attn: Mr. Kemp E Akeman P E Telephone: 817-284-7755 Telefax: 817-589-1420
250	Construction Consulting Laboratory Inc. Western Division 4751 W State St Ste E Ontario CA 91762 Attn: Mr. Jack Jackson Telephone: 909-591-1789 Telefax: 909-627-9020	750	Performance Testing Inc. 4076-148th Ave N E Redmond WA 98052 Attn: Mr Jon DeRose Telephone: 206-883-9788 Telefax: 206-869-5266
275	ETC Laboratories 40 Ajax Road Rochester NY 14624 Attn: Mr. David Kehrl Telephone: 716-328-7668 Telefax: 71-328-7777	950	ITS/Warnock Hersey International Inc. 530 Garcia Ave Pittsburg CA 94565 Attn: Mr. Vijay G Ruikar, P E Telephone: 510-432-7344 Telefax: 510-432-3576
300	ITS/ETL Testing Laboratories Inc 4317-A Park Dr N W Norcross GA 30093 Attn: Mr. William Penuel Telephone: 770-925-2444 Telefax: 770-925-7294	975	ITS/Warnock Hersey International Inc. 8431 Murphy Dr PO Box 735 Middleton WI 53562 Attn: Ms. Nancy Kokesh Telephone: 608-836-4400 Telefax: 608-831-9279

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.



safety glazing certification council

3933 US Route 11
P. O. Box 2040
Cortland, NY 13045-0950

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