



safety glazing certification council

**JANUARY 1, 1991**

certified products directory  
safety glazing material used in buildings

## 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 manufacturers label; and to withdraw the manufacturers 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 manufacturer of safety glazing materials.

The manufacturer 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 manufacturer's of safety glazing products are eligible and encouraged to apply for SGCC certification. However, products are not certified until a test to the applicable specification(s), conducted at an approved testing laboratory, indicates compliance.

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 three basic listings: the first is by numerical sequence of certified product numbers listing the manufacturer holding that number; the second is of manufacturers listed alphabetically by plants and the approved products manufactured at those plants; the third is by product type listing all manufacturers and their plants approved for each product type. There is also an alphabetical listing, by manufacturers, illustrating a label typical of the manufacturer. 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.

## SGCC CERTIFICATION COMMITTEE

| Licensee  | Primary Member  | First Alternate   | Second Alternate  |
|---|---|---|---|
| Independent Insulating Glass Co.<br>Laminated Glass Corp.   | Valerie Block   | Darrell Aldrich   |   |
| Macdonald Mirror Inc.<br>Marvin Windows   | James Krahn   | Doug Steinbring   |   |
| Milgard Tempering Inc.<br>Nashville Tempered Glass Corp.<br>Northwestern Industries, Inc.<br>O & W Glass Industries, Inc.<br>Pan Lam Industries   | William J. Larson   |   |   |
| Perma*View Processed Glass<br>PPG Industries, Inc.<br>Safelite Glass Corp.<br>Saint Gobain  | Danny L. Rinehart<br>Richard T. McGuire<br>Gary Harris  | Charles R. Sutermeister<br>Robert Avers   | Glenn R. Davis  |
| Shaw Glass Company, Inc.<br>Solar Seal South, Inc.<br>Spectrum Glass Products<br>SPI Glass Products   | Frederic P. Shaw<br>George L. Morelock<br>Ronald P. Warren<br>Mitchel D. Edwards                            | Dennis Johnson<br>John Downey<br>Lynn Armstrong   | Walter Gilpatrick<br>Ron Large                                  |
| Sterling Plumbing Group<br>Sumitec, Inc.<br>Sunbelt Glass Inc.<br>Swift Glass Company, Inc.<br>Taylor Products, Inc.  | Samuel K. Shade<br>Mike Kelley<br>Daniel J. Burke   | Shigeo Minami<br>Anthony Speciale   | Wayne Brown   |
| Temp-Tech Industries, Inc.<br>Tempered Glass Corporation<br>Tempered Glass, Inc.<br>Tempglass, Inc.<br>Tempglass Eastern, Inc.<br>Tempglass Miami<br>Tempglass Southern, Inc.<br>ThermaGlas Corp. | Bart Semeraro<br>Paul F. Tumey<br>Douglas A. Sampsel<br>Sam Baldwin<br>John C. Mulvanerty                   | Scott Aldrich<br>W. Eugene<br>John Colapietro   | Howard Bienenfeld   |
| TRACO (Three Rivers Aluminum)<br>U S Precision Glass<br>Viracon, Inc.<br>Viracon West<br>Virginia Glass Products Corporation  | Scott D. Kuhl<br>Robert P. Randall<br>John M. Barr<br>Harold Landsman<br>Gary J. Johnson<br>Robert L. Brown | Larry G. Ott<br>John Kalakos<br>John M. Spiro<br>Russ Huffer<br>Russell J. Mills<br>Brooks R. Leavitt | Ronald G. Aldrich<br>Rick Voelker<br>Jon Ladd<br>A. P. Stillman |

## Member by virtue of being a director:

|                              |                     |
|------------------------------|---------------------|
| National Bureau of Standards | Mario Cellarosi     |
| Consumer                     | Mrs. Jean Cornwell  |
| Consumer                     | George L. Graf, Jr. |
| University of New Hampshire  | Richard A. Behr     |
| Glasstech, Inc.              | Norman Nitschke     |

Members from those without  
certified products:

|                              |                   |
|------------------------------|-------------------|
| Richard E. Wright Associates | Richard E. Wright |
|------------------------------|-------------------|

## SGCC CERTIFICATION COMMITTEE

Carlo Carmen, Jr. - Chairman

| Licensee                           | Primary Member         | First Alternate     | Second Alternate  |
|------------------------------------|------------------------|---------------------|-------------------|
| ACI Glass                          |                        |                     |                   |
| ACI Glass Products                 | Kenny Lyerla           | Gordon Lillie       | Bill Swanson      |
| AFG Glass, Inc.                    | Brian J. Burnet        |                     |                   |
| AFG Industries Inc.                | J. Richard Orton       | Billie G. Nichols   |                   |
| Air Seal Insulating Glass Units    | Herbert Yudenfriend    |                     |                   |
| All Team Glass & Mirror Ltd        |                        |                     |                   |
| American Flat Glass Distributors   | J. Richard Orton       |                     |                   |
| Anglass Industries, Inc.           |                        |                     |                   |
| Arch Aluminum & Glass Co Inc       |                        |                     |                   |
| Arch Tempered Glass Products       |                        |                     |                   |
| Ardco, Inc.                        | Andrew G. Menke        |                     |                   |
| Asahi Glass Co Ltd                 |                        |                     |                   |
| Boss Glass Industries, Inc.        |                        |                     |                   |
| Builders & Decorators Glass Co.    |                        |                     |                   |
| Cameron Glass, Inc.                | Jim Cameron            | John Alajaji        |                   |
| Colonial Mirror & Glass Corp.      | Tullio Paolotti        |                     |                   |
| Contour Inds Inc.                  |                        |                     |                   |
| CoraGlass Inc.                     |                        |                     |                   |
| D & S Tempered Glass               |                        |                     |                   |
| Donnelly Corp.                     |                        |                     |                   |
| Downey Glass Company               | Wayne Czechowski       | Lloyd Pinsky        | Robert Mastrapa   |
| Empire Glass, Inc.                 |                        |                     |                   |
| Falconer Glass Industries, Inc.    | Richard E. Turner, Sr. | Carlo Carmen, Jr.   | Steven Crawford   |
| Falconer-Lewistown, Inc.           | Richard E. Turner, Jr. | Carlo Carmen, Jr.   | Steven Crawford   |
| Flex-O-Glass, Inc.                 | Harold G. Warp         | Delbert Christensen |                   |
| Floral Glass & Mirror, Inc.        | Charles Kaplanek       |                     |                   |
| Free State Glass Industries        | Ronald H. Bodnar       | F. Scott Merritt    |                   |
| Gemtron Corp.                      | Robert A. Moss         | Jack Francis        | Bill Long         |
| Glass Factory, Inc., The           |                        |                     |                   |
| Glass Tempering Service, Inc.      | Virgil S. Taylor       |                     |                   |
| Glasstemp, Inc.                    | Steve Lacey            | Mark Roman          |                   |
| Globe-Amerada Glass Co (Assurance) | Cheri Kellman          | Walt Myers          |                   |
| Guardian Fabrication, Inc.         | Lawana Morrison        | Henry A. Gorry      | R. L. Alonzo      |
| Guardian Industries Corp.          | Lawana Morrison        | Henry A. Gorry      | R. L. Alonzo      |
| Hamilton Glass Products, Inc.      | Robert A. Moss         | William D. Hodgdon  | J. Bruce Crockett |
| Hankuk Glass Industry, Ltd.        |                        |                     |                   |
| Hehr Glass Company                 |                        |                     |                   |
| HGP Architectural Glass            | Robert B. Williams     |                     |                   |
| Hoffer's, Inc.                     |                        |                     |                   |

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**MEETINGS OF THE CERTIFICATION COMMITTEE**

The Certification Committee of the Safety Glazing Certification Council last met on October 24- 25, 1990. Minutes of this meeting may be obtained by writing to the Administrative Manager of the Safety Glazing Certification Council (SGCC).

\* \* \* \* \*

Certification in this directory is current as of January 1, 1991; however, products may be certified or have certification removed from time to time. For the most current information please contact the Administrative Manager of SGCC.

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

\* \* \* \* \*

**ADMINISTRATION**

|                         |  |
|-------------------------|--|
| Administrator:          | ETL Testing Laboratories, Inc.<br>Inds Pk - 3933 US Route 11<br>PO Box 2040<br>Cortland, NY 13045-0950<br>Telephone 607-753-6711<br>Telefax 607-756-9891 |
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## PROCEDURAL GUIDE

## FOREWORD

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

Both ANSI Z97.1-1984 and 16 CFR 1201 provide sound technical basis for a high level of safety. With the addition of independent administration, plus periodic routine sampling and product evaluation, a program of product certification is maintained which provides an independent third-party certification and testing program. The Certification Program described herein is predicated upon the concept of independent and impartial administration of the certification procedures which are incorporated in the SGCC license agreement.

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

## GENERAL INFORMATION

## THE CERTIFICATION CONCEPT

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

To buyers, specifiers, code officials and users, the SGCC certification label offers the manufacturer'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?

Every manufacturer of safety glazing materials is eligible, on a voluntary basis, to participate.

## 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

ETL Testing Laboratories, Inc. (ETL), is the independent Administrator of the Certification Program. ETL 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 manufacturer signs two copies of the SGCC License Agreement (including notarization of the Affidavit, Appendix A) and sends these to SGCC. SGCC will countersign both copies and return one to the manufacturer.
- b) The manufacturer 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 manufacturer sends to SGCC the six-month certification fee for each item which is to be certified.

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, plant location, 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%                                  | 100%            |
| April 1 - June 30       | 50%                                   | None            |
| July 1 - September 30   | 100%                                  | 100%            |
| October 1 - December 31 | 50%                                   | None            |

Initial certification between April 1 to June 30 and October 1 to December 31 will require a selection in the first 3 months of the next 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 ETL Testing Laboratories, Inc., governs the relationship between SGCC and ETL, the independent administrator. In general, it provides that the Administrator

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

**CERTIFIED PRODUCTS DIRECTORY**

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

**CERTIFICATION LABEL**

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

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## 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 labelled. 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 77 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.

## G.12

If a licensee who manufactures 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 at a given Licensee's facility for 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 no 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.

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 C1036-85 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.

**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.) Four specimens shall be used for impact testing as detailed at 16 CFR 1201.4(a)(1).

## 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. Glasses of the same nominal thickness with a ceramic material applied as a continuous or partial coating to one or more surfaces prior to tempering are also covered.

## 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 C1036-85. The permanent label must contain this fraction or a metric or decimal dimension within the tolerance of this thickness as published in ASTM C1036-85. Four specimens shall be used for impact testing as detailed at 16 CFR 1201.4(a)(1).

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.

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



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. Four specimens shall be used for impact testing as detailed at 16 CFR 1201.4(a)(1). (Revised 3/16/90)

#### 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**

## 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.1 - CPSC ONLY

One piece of at least one square foot area shall be used for testing the hardness and modulus of elasticity.

## 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 Class 1. Cast acrylic. (Including continuously cast sheet): As specified in Federal Specification LP-391, latest issue.

Outdoor use plastic materials Class 2. Extruded acrylic: As specified in Federal Specification LP-507, latest issue.

Outdoor use plastic materials Class 3. Extruded polycarbonate: As specified in Military Specification MIL-P-46144, latest issue.

Indoor use plastic materials Class 1: Plus or minus 10 percent of nominal thickness.

## P.4

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

## P.5

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

**PLASTICS - EXTERIOR USE****PE.1 (ANSI ONLY)**

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

**PE.1 (CPSC Only)**

Sheet plastics for exterior use must comply with 16 CFR 1201.4(e)(2)(ii)(A) accelerated weathering test Table 1 or simulated weathering test. The equipment shall be an apparatus commercially known as a "Weather-Ometer" or its function equivalent incorporating a carbon-arc. It shall be operated in accordance with "Standard Recommended Practice for Operating Light-and-Water-Exposure Apparatus (Carbon-Arc Type) for Exposure of Nonmetallic Materials," ASTM G 23069, March 21, 1969, as augmented for plastics (for plastic test specimens only) by "Standard Recommended Practice for Operating Light-and-Water-Exposure Apparatus (Carbon-Arc Type) for Exposure of Plastics," ASTM D 1499-64, August 31, 1964. Specimens shall be mounted and control specimens shall be used in the manner specified in the Standard at section 1201.4(d)(2)(ii)(A) or (B), as appropriate. An appropriate water spray cycle shall be used. The specimens shall be exposed in the Weather-Ometer for a period of time which, irradiation equivalent to the accumulated ultraviolet irradiation of 2,000 plus or minus 1 hours of exposure in a twin enclosed carbon-arc Weather-Ometer. Evaluate the test results by using the test criteria set forth in the Standard at section 1201.4(e)(2)(ii)(A) or (B), as appropriate.

Intensified weathering test. The test equipment shall be the Equatorial Mount with Mirrors for Acceleration with Water, such as that found at the Desert Sunshine Exposure Tests, Inc. near Phoenix, Arizona. It shall be operated in accordance with "Standard Recommended Practice for Operating EMMA (QUA)R - A Fresnel-Concentrator Accelerated Weathering Machine Employing Natural Sunshine as Source," ASTM draft standard dated October 1, 1976. The standard water spray cycle of eight minutes on followed by 52 minutes off shall be used. Mounting of specimens and use of control specimens shall be specified in the Standard at section 1201.4(d)(2)(ii)(A) or (B), as appropriate. The specimens shall be exposed to 375,000 plus or minus 10,000 langley (375 plus or minus 10 kilo-calories per square centimeter) or irradiation. Evaluate the test results by using the test criteria set forth in the Standard at section 1201.4(e)(2)(ii)(A) or (B), as appropriate.

Outdoor weather test. The specimens shall be exposed in outdoor exposure test racks set facing the equator at an angle from the horizontal equal to the latitude of the exposure site. The specimens shall be exposed to 375,000 plus or minus 10,000 langley (375 plus or minus 10 kilo-calories per square centimeter) or irradiation. Mounting of specimens and use of control specimens shall be as specified in the Standard at section 1201.4(d)(2)(ii)(A) or (B), as appropriate. Evaluate the test results by using the test 1201.4(d)(2)(ii)(A) or (B), as appropriate.

**PE.2 (ANSI ONLY)**

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****PI.1 (ANSI ONLY)**

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.1 (CPSC ONLY)**

Sheet plastics used in indoor applications only, must comply with Table 1 in 16 CFR 1201.

**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. Four specimens shall be used for impact testing as detailed at 16 CFR 1201.4(a)(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 G.6 "SGCC-xxx/yyy" shall be the only correct designation other than "SGCC-xxx" and "SGCC-yyy" when an identical item is in both the ANSI and CPSC programs per the following examples:

## EXAMPLES:

ANSI Z97.1-1984  
16 CFR 1201 II  
SGCC-123/691 1/4 U

ANSI Z97.1-1984 SGCC - 123 1/4 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's own manufacture, 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 - IND00R 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 "IND00R 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.

## CPS 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) Factrolite  | (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 |                |

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 229 | (154) Rain     | (160) Model 10 | (163) Model 11    |
| (164) Model 12 | (165) Spotswood  | (167) Leaf     |                |                   |

1/8 inch deep

(10) Autumn

5/32 inch shallow

|                   |                  |                  |                  |                  |
|-------------------|------------------|------------------|------------------|------------------|
| (59) Luxlite      | (60) Factrolite  | (64) Spraylite   | (70) Muralex     | (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 |
|-------------|--------------|--------------|

3/16 inch shallow

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

3/16 inch medium

|                 |                |               |               |
|-----------------|----------------|---------------|---------------|
| (58) Pattern 76 | (143) Seashell | (144) Syenite | (145) Flemish |
|-----------------|----------------|---------------|---------------|

3/16 inch deep

|              |              |              |
|--------------|--------------|--------------|
| (12) Oceanic | (13) Roundel | (41) Lozenge |
|--------------|--------------|--------------|

210 inch shallow

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

210 inch medium

|                |              |               |               |                      |
|----------------|--------------|---------------|---------------|----------------------|
| (107) Seashell | (109) Beadex | (111) Syenite | (112) Flemish | (113) Textured Linex |
|----------------|--------------|---------------|---------------|----------------------|

210 inch deep

|               |                 |
|---------------|-----------------|
| (104) Lozenge | (114) Broadlite |
|---------------|-----------------|

7/32 inch shallow

|                 |                   |                |              |                     |
|-----------------|-------------------|----------------|--------------|---------------------|
| (14) Velvex     | (15) Muralex      | (16) Industrex | (17) Aquatex | (18) Pattern 100    |
| (19) Pattern 6  | (20) Pattern 62   | (21) Spraylite | (22) Burlap  | (23) Factrolite     |
| (24) Satinlite  | (25) Luxlite      | (26) J-3       | (27) P-516   | (28) Smooth Rough   |
| (30) Cascade    | (42) Pluralite    | (44) Flax      | (46) Skytex  | (55) Textured Plate |
| (84) Chinchilla | (129) Orange Peel |                |              |                     |

7/32 inch medium

|               |             |              |              |                     |
|---------------|-------------|--------------|--------------|---------------------|
| (43) Seashell | (45) Beadex | (47) Syenite | (48) Flemish | (49) Textured Linex |
|---------------|-------------|--------------|--------------|---------------------|

7/32 inch deep

|              |                |
|--------------|----------------|
| (29) Lozenge | (53) Boardlite |
|--------------|----------------|

| <u>SGCC<br/>NO.</u>             | <u>SGCC<br/>NO.</u>                | <u>SGCC<br/>NO.</u>                |
|---------------------------------|------------------------------------|------------------------------------|
| 12 Virginia Glass Products      | 711 Falconer Glass Industries      | 1161 Guardian Industries - ANSI    |
| 14 Virginia Glass Products      | 712 Falconer Glass Industries      | 1165 Colonial Mirror & Glass       |
| 24 AFG Industries               | 862 Tempered Glass, Inc            | 1166 Colonial Mirror & Glass       |
| 28 AFG Industries               | 863 Tempered Glass, Inc            | 1167 Colonial Mirror & Glass       |
| 40 Guardian Industries - ANSI   | 865 Tempered Glass, Inc            | 1173 Safelite Glass Corp - ANSI    |
| 41 Guardian Industries - ANSI   | 866 Tempered Glass, Inc            | 1200 Hamilton Glass Products       |
| 54 Hamilton Glass Products      | 933 Guardian Industries - ANSI     | 1201 Gemtron Corp                  |
| 57 Hamilton Glass Products      | 934 Guardian Industries - ANSI     | 1216 Guardian Fabrication - ANSI   |
| 64 PPG Industries               | 935 Downey Glass Co                | 1219 Tempglass Southern, Inc       |
| 70 PPG Industries               | 949 AFG Industries                 | 1225 ACI Glass Products Inc - ANSI |
| 89 AFG Industries               | 955 AFG Industries                 | 1226 ACI Glass                     |
| 90 AFG Industries               | 968 Guardian Industries - ANSI     | 1230 American Flat Glass Distrib   |
| 93 Virginia Glass Products      | 969 Guardian Industries - ANSI     | 1231 American Flat Glass Distrib   |
| 94 Virginia Glass Products      | 970 Guardian Industries - ANSI     | 1232 American Flat Glass Distrib   |
| 95 Virginia Glass Products      | 971 Guardian Industries - ANSI     | 1235 Guardian Fabrication - ANSI   |
| 118 Flex-O-Glass, Inc           | 979 Tempglass Eastern, Inc         | 1238 Glass Tempering Service       |
| 131 Guardian Industries - ANSI  | 981 Tempglass Eastern, Inc         | 1248 Guardian Industries - ANSI    |
| 185 U S Precision Glass         | 982 Tempglass Eastern, Inc         | 1249 Guardian Industries - ANSI    |
| 186 U S Precision Glass         | 986 Temp-Tech Industries, Inc      | 1250 Guardian Industries - ANSI    |
| 188 U S Precision Glass - ANSI  | 999 Anglass Industries - ANSI      | 1251 Guardian Industries - ANSI    |
| 220 AFG Industries              | 1000 Anglass Industries - ANSI     | 1253 Guardian Industries - ANSI    |
| 249 PPG Industries              | 1034 Shaw Glass Co Inc             | 1259 Tempglass Eastern, Inc        |
| 250 PPG Industries              | 1035 Shaw Glass Co Inc             | 1275 Virginia Glass Products       |
| 295 PPG Industries              | 1036 Shaw Glass Co Inc             | 1280 Falconer Glass Industries     |
| 300 Guardian Fabrication - ANSI | 1037 Shaw Glass Co Inc             | 1281 U S Precision Glass           |
| 328 U S Precision Glass - ANSI  | 1039 Tempglass, Inc                | 1282 Falconer-Lewistown - ANSI     |
| 337 Tempered Glass Corp         | 1041 Ardco, Inc                    | 1284 Falconer-Lewistown - ANSI     |
| 338 Tempered Glass Corp         | 1042 Ardco, Inc                    | 1286 U S Precision Glass           |
| 348 Tempered Glass Corp         | 1044 Tempglass Southern, Inc       | 1287 U S Precision Glass           |
| 382 PPG Industries - ANSI       | 1045 Tempglass Southern, Inc       | 1299 Shaw Glass Co Inc             |
| 400 ACI Glass Products Inc      | 1046 Tempglass Southern, Inc       | 1304 Guardian Industries - ANSI    |
| 402 ACI Glass Products Inc      | 1050 U S Precision Glass           | 1308 TRACO (Three Rivers Alum.)    |
| 458 Guardian Industries - ANSI  | 1058 Tempglass Eastern, Inc        | 1310 TRACO (Three Rivers Alum.)    |
| 471 Guardian Fabrication - ANSI | 1059 Tempglass Eastern, Inc        | 1311 TRACO (Three Rivers Alum.)    |
| 487 Guardian Industries - ANSI  | 1062 Hehr Glass Co                 | 1315 Falconer-Lewistown - ANSI     |
| 514 Downey Glass Co             | 1073 Spectrum Glass Prods - ANSI   | 1316 Falconer-Lewistown - ANSI     |
| 515 Downey Glass Co             | 1074 Spectrum Glass Prods - ANSI   | 1318 Guardian Industries - ANSI    |
| 516 Downey Glass Co             | 1075 Spectrum Glass Prods - ANSI   | 1323 Ardco, Inc                    |
| 520 Anglass Industries - ANSI   | 1076 Spectrum Glass Prods - ANSI   | 1329 Tempered Glass Corp           |
| 562 U S Precision Glass - ANSI  | 1077 Spectrum Glass Prods - ANSI   | 1332 Gemtron Corp                  |
| 587 AFG Industries              | 1080 Spectrum Glass Prods - CPSC   | 1334 Gemtron Corp                  |
| 592 Tempglass, Inc              | 1081 Spectrum Glass Prods - CPSC   | 1340 Glass Tempering Service       |
| 594 Tempglass, Inc              | 1082 Spectrum Glass Prods - CPSC   | 1355 Guardian Fabrication          |
| 595 Tempglass, Inc              | 1083 Spectrum Glass Prods - CPSC   | 1356 Guardian Fabrication          |
| 598 AFG Industries              | 1084 Spectrum Glass Prods - CPSC   | 1357 Guardian Fabrication          |
| 630 Downey Glass Co             | 1107 ACI Glass Products Inc - ANSI | 1358 Guardian Fabrication          |
| 631 Guardian Industries - ANSI  | 1108 ACI Glass Products Inc - ANSI | 1359 Guardian Fabrication          |
| 633 Guardian Industries - ANSI  | 1110 PPG Industries                | 1360 Safelite Glass Corp           |
| 640 ACI Glass                   | 1111 PPG Industries                | 1361 SPI Glass Corp                |
| 654 U S Precision Glass - ANSI  | 1112 PPG Industries                | 1362 SPI Glass Corp                |
| 662 Guardian Fabrication - ANSI | 1113 PPG Industries - ANSI         | 1363 SPI Glass Corp                |
| 675 PPG Industries              | 1118 Tempered Glass Corp           | 1369 U S Precision Glass           |
| 676 PPG Industries              | 1139 AFG Industries                | 1370 U S Precision Glass           |
| 678 Downey Glass Co             | 1143 AFG Industries                | 1371 U S Precision Glass           |
| 709 Falconer Glass Industries   | 1157 ACI Glass                     | 1372 U S Precision Glass           |



| <u>SGCC<br/>NO.</u>              | <u>SGCC<br/>NO.</u>              | <u>SGCC<br/>NO.</u>              |
|----------------------------------|----------------------------------|----------------------------------|
| 1374 SPI Glass Corp              | 1477 Gemtron Corp                | 1557 Swift Glass Co., Inc.       |
| 1379 HGP Architectural Glass     | 1479 Hankuk Glass Ind - ANSI     | 1558 Swift Glass Co., Inc.       |
| 1380 HGP Architectural Glass     | 1480 Hankuk Glass Ind - ANSI     | 1559 Swift Glass Co., Inc.       |
| 1381 Glasstemp, Inc.             | 1481 Hankuk Glass Ind - ANSI     | 1562 Arch Tempered Glass - ANSI  |
| 1382 Glasstemp, Inc.             | 1482 Hankuk Glass Ind - ANSI     | 1563 Ardco, Inc                  |
| 1383 Glasstemp, Inc.             | 1483 Hankuk Glass Ind - ANSI     | 1564 Ardco, Inc                  |
| 1384 Glasstemp, Inc.             | 1484 Shaw Glass Co Inc           | 1565 Ardco, Inc                  |
| 1385 Hamilton Glass Products     | 1485 AFG Glass Inc               | 1571 Viracon West                |
| 1386 Hamilton Glass Products     | 1486 AFG Glass Inc               | 1572 Viracon West                |
| 1387 Hamilton Glass Products     | 1487 AFG Glass Inc               | 1574 Guardian Fabrication - ANSI |
| 1388 U S Precision Glass - ANSI  | 1489 AFG Glass Inc               | 1575 Guardian Fabrication - ANSI |
| 1389 Glass Tempering Service     | 1494 ACI Glass Products          | 1576 Guardian Fabrication - ANSI |
| 1390 AFG Industries              | 1495 ACI Glass Products          | 1577 Guardian Fabrication - ANSI |
| 1393 Saint Gobain - ANSI         | 1496 ACI Glass Products          | 1578 Milgard Tempering Inc       |
| 1394 Guardian Fabrication        | 1497 ACI Glass Products          | 1586 Taylor Products, Inc.       |
| 1395 Tempered Glass Corp         | 1498 ACI Glass Products          | 1587 Taylor Products, Inc.       |
| 1398 Empire Glass, Inc           | 1505 Perma*View Processed Glass  | 1588 Taylor Products, Inc.       |
| 1399 Empire Glass, Inc           | 1506 Perma*View Processed Glass  | 1589 Taylor Products, Inc.       |
| 1400 Empire Glass, Inc           | 1508 Viracon, Inc                | 1590 Free State Glass Industries |
| 1401 Empire Glass, Inc           | 1509 Viracon, Inc                | 1591 Free State Glass Industries |
| 1402 Empire Glass, Inc           | 1510 Hehr Glass Co               | 1592 Free State Glass Industries |
| 1403 Viracon, Inc                | 1511 Air Seal IG Units Co        | 1593 Free State Glass Industries |
| 1404 Viracon, Inc                | 1512 Air Seal IG Units Co        | 1594 Free State Glass Industries |
| 1405 American Flat Glass Distrib | 1513 Air Seal IG Units Co        | 1595 Hoffer's, Inc.              |
| 1406 American Flat Glass Distrib | 1514 Hehr Glass Co               | 1596 Hoffer's, Inc.              |
| 1413 Hankuk Glass Ind - ANSI     | 1517 Hehr Glass Co               | 1597 Hoffer's, Inc.              |
| 1414 AFG Industries              | 1518 American Flat Glass Distrib | 1598 Taylor Products, Inc.       |
| 1415 American Flat Glass Distrib | 1519 American Flat Glass Distrib | 1602 Hehr Glass Co - ANSI        |
| 1416 Nashville Tempered Glass    | 1520 American Flat Glass Distrib | 1603 PPG Industries              |
| 1417 Nashville Tempered Glass    | 1521 American Flat Glass Distrib | 1604 PPG Industries              |
| 1420 Tempglass, Inc              | 1522 American Flat Glass Distrib | 1605 PPG Industries              |
| 1421 HGP Architectural Glass     | 1523 American Flat Glass Distrib | 1606 PPG Industries              |
| 1422 Gemtron Corp                | 1524 American Flat Glass Distrib | 1607 Guardian Fabrication - ANSI |
| 1424 Gemtron Corp                | 1526 Arch Tempered Glass - ANSI  | 1608 Downey Glass Co             |
| 1426 Gemtron Corp                | 1527 Arch Tempered Glass - ANSI  | 1609 Downey Glass Co             |
| 1428 American Flat Glass Distrib | 1528 Arch Tempered Glass - ANSI  | 1611 Downey Glass Co             |
| 1429 O & W Glass Ind             | 1529 Arch Tempered Glass - ANSI  | 1616 Guardian Fabrication        |
| 1436 AFG Industries              | 1530 Arch Tempered Glass - ANSI  | 1617 Sunbelt Glass, Inc          |
| 1441 Sumitec, Inc. - ANSI        | 1531 Arch Tempered Glass - ANSI  | 1618 Sunbelt Glass, Inc          |
| 1448 HGP Architectural Glass     | 1533 Glasstemp, Inc.             | 1621 Solar Seal South            |
| 1452 U S Precision Glass         | 1534 Glasstemp, Inc.             | 1622 Solar Seal South            |
| 1453 Sunbelt Glass, Inc          | 1535 ACI Glass                   | 1624 AFG Industries              |
| 1454 Sunbelt Glass, Inc          | 1536 Glasstemp, Inc.             | 1627 Falconer-Lewistown          |
| 1455 Sunbelt Glass, Inc          | 1545 Falconer Glass Industries   | 1628 Falconer-Lewistown          |
| 1456 Sunbelt Glass, Inc          | 1546 Floral Glass & Mirror       | 1629 Falconer-Lewistown          |
| 1457 Sunbelt Glass, Inc          | 1547 Floral Glass & Mirror       | 1630 Guardian Industries - ANSI  |
| 1458 The Glass Factory           | 1548 Floral Glass & Mirror       | 1631 Guardian Industries - ANSI  |
| 1459 The Glass Factory           | 1549 Floral Glass & Mirror       | 1632 Guardian Industries - ANSI  |
| 1460 The Glass Factory           | 1550 Floral Glass & Mirror       | 1633 Guardian Industries - ANSI  |
| 1461 The Glass Factory           | 1551 Floral Glass & Mirror       | 1634 Guardian Industries - ANSI  |
| 1462 Guardian Industries - ANSI  | 1552 Floral Glass & Mirror       | 1635 Guardian Industries - ANSI  |
| 1463 Guardian Industries - ANSI  | 1553 Floral Glass & Mirror       | 1636 Viracon, Inc                |
| 1464 Guardian Industries - ANSI  | 1554 Perma*View Processed Glass  | 1637 Viracon, Inc                |
| 1467 Nashville Tempered Glass    | 1555 Swift Glass Co., Inc.       | 1638 Northwestern Industries     |
| 1476 Viracon, Inc                | 1556 Swift Glass Co., Inc.       | 1639 Northwestern Industries     |

| <u>SGCC<br/>NO.</u>               | <u>SGCC<br/>NO.</u>                | <u>SGCC<br/>NO.</u>              |
|-----------------------------------|------------------------------------|----------------------------------|
| 1640 Northwestern Industries      | 1689 Marvin Windows                | 1738 Thermaglas Inc              |
| 1641 AFG Industries               | 1690 Marvin Windows                | 1739 Thermaglas Inc              |
| 1642 ACI Glass                    | 1691 Marvin Windows                | 1740 Thermaglas Inc              |
| 1643 ACI Glass                    | 1698 Glasstemp, Inc.               | 1741 Thermaglas Inc              |
| 1644 ACI Glass                    | 1699 Sumitec, Inc. - ANSI          | 1742 Hehr Glass Co               |
| 1645 ACI Glass                    | 1700 Tempglass Southern, Inc       | 1743 O & W Glass                 |
| 1646 Hehr Glass Co                | 1701 Marvin Windows                | 1744 Tempglass Miami             |
| 1647 Pan Lam Industries           | 1702 AFG Industries Inc            | 1745 Tempglass Miami             |
| 1649 Tempglass Southern, Inc      | 1703 AFG Industries Inc            | 1746 Tempglass Miami             |
| 1651 Macdonald Mirror             | 1704 AFG Industries Inc            | 1747 Tempglass Miami             |
| 1652 Laminated Glass Corp         | 1705 AFG Industries Inc            | 1749 Cameron Glass Inc           |
| 1653 D & S Tempered Glass         | 1706 American Flat Glass Distrib   | 1750 Viracon West                |
| 1654 D & S Tempered Glass         | 1707 O & W Glass Ind               | 1751 Viracon West                |
| 1655 D & S Tempered Glass         | 1708 American Flat GLass Dist      | 1752 Viracon West                |
| 1656 D & S Tempered Glass         | 1709 American Flat GLass Dist      | 1753 Viracon West                |
| 1657 D & S Tempered Glass         | 1710 American Flat GLass Dist      | 1754 All Team Glass & Mirror Ltd |
| 1658 D & S Tempered Glass         | 1711 American Flat GLass Dist      | 1755 All Team Glass & Mirror Ltd |
| 1659 D & S Tempered Glass         | 1712 American Flat GLass Dist      | 1756 All Team Glass & Mirror Ltd |
| 1660 D & S Tempered Glass         | 1713 American Flat GLass Dist      | 1757 All Team Glass & Mirror Ltd |
| 1661 D & S Tempered Glass         | 1714 American Flat GLass Dist      | 1758 All Team Glass & Mirror Ltd |
| 1663 AFG Industries               | 1715 U S Precision Glass           | 1763 Cameron Glass Inc           |
| 1664 AFG Industries               | 1716 Spectrum Glass Prods - ANSI   | 1764 Viracon, Inc                |
| 1665 Guardian Industries - ANSI   | 1717 Spectrum Glass Prods - CPSC   | 1765 Arch Aluminum & Glass Co**  |
| 1666 Safelite Glass Corp          | 1718 Spectrum Glass Prods - ANSI   | 1766 Arch Aluminum & Glass Co**  |
| 1667 Builders & Decorators - ANSI | 1719 Spectrum Glass Prods - CPSC   | 1767 Arch Aluminum & Glass Co**  |
| 1668 Globe-Amerada                | 1721 Donnelly Corp                 | 1768 Arch Aluminum & Glass Co**  |
| 1669 Indepent Insulating Glass Co | 1723 Marvin Windows                | 1769 Arch Aluminum & Glass Co**  |
| 1670 Indepent Insulating Glass Co | 1724 Marvin Windows                | 1770 Asahi Glass Co LTD          |
| 1676 Contour Industries           | 1728 ACI Glass Products Inc - ANSI | 1771 Tempglass Eastern, Inc      |
| 1677 Contour Industries           | 1729 Coraglass Inc                 | 1772 Tempglass Eastern, Inc      |
| 1678 Contour Industries           | 1730 Hehr Glass Co - ANSI          | 1773 Tempglass Eastern, Inc      |
| 1679 Contour Industries           | 1731 Coraglass Inc                 | 1778 Viracon, Inc                |
| 1680 Contour Industries           | 1732 Coraglass Inc                 | 1780 Cameron Glass Inc           |
| 1682 Arch Tempered Glass - ANSI   | 1733 Coraglass Inc                 | 1781 Sterling Plumbing Group     |
| 1683 Guardian Industries - ANSI   | 1734 Coraglass Inc                 | 1782 All Team Glass & Mirror Ltd |
| 1684 Free State Glass Industries  | 1735 Coraglass Inc                 |                                  |
| 1687 Donnelly Corp                | 1736 Cameron Glass Inc             |                                  |
| 1688 Donnelly Corp                | 1737 Guardian Industries - ANSI    |                                  |

| SGCC NO.  | INCH | (MM)   | TYPE   | MAX. SIZE<br>CERTIFIED | SGCC NO.  | INCH | (MM)   | TYPE   | MAX. SIZE<br>CERTIFIED |
|---|------|--------|--------|------------------------|---|------|--------|--------|------------------------|
| <b>ACI GLASS; GREENSBORO, NC</b>                    |      |        |        |                        | <b>AFG GLASS INC; CONCORD, ONTARIO, CANADA (CONT)</b>               |      |        |        |                        |
| 1642  | 3/16 | ( 5.0) | TTG    | U                      | 1487  | 3/16 | ( 5.0) | TTG    | U                      |
| 1643  | 1/4  | ( 6.0) | TTG    | U                      | 1489  | 1/4  | ( 6.0) | TTG    | U                      |
| 1644  | 3/8  | (10.0) | TTG    | U                      | <b>AIR SEAL INSULATING GLASS UNITS CO; GLOUCESTER CITY, NJ</b>      |      |        |        |                        |
| 1645  | 1/2  | (12.0) | TTG    | U                      | 1511  | 1/8  | ( 3.0) | OCG    | U                      |
| <b>ACI GLASS PRODUCTS INC; DALLAS, TX</b>           |      |        |        |                        | 1512  | 3/16 | ( 5.0) | OCG    | U                      |
|   |      |        |        | <b>ANSI ONLY</b>       | 1513  | 1/4  | ( 6.0) | OCG    | U                      |
| 1107  | 3/8  | (10.0) | TTG    | U                      | <b>ALL TEAM GLASS &amp; MIRROR LTD; WOODBRIDGE, ONTARIO, CANADA</b> |      |        |        |                        |
| 1108  | 1/2  | (12.0) | TTG    | U                      | 1754  | 5/32 | ( 4.0) | TTG    | U                      |
| 1225  | 3/4  | (19.0) | TTG    | U                      | 1755  | 3/16 | ( 5.0) | TTG    | U                      |
| 1728  | 3/16 | ( 5.0) | TPG(S) | U                      | 1756  | 1/4  | ( 6.0) | TTG    | U                      |
| <b>ACI GLASS PRODUCTS INC; DALLAS, TX</b>           |      |        |        |                        | 1757  | 3/8  | (10.0) | TTG    | U                      |
| 400   | 3/16 | ( 5.0) | TTG    | U                      | 1758  | 1/2  | (12.0) | TTG    | U                      |
| 402   | 1/4  | ( 6.0) | TTG    | U                      | 1782  | 3/4  | (19.0) | TTG    | U                      |
| <b>ACI GLASS PRODUCTS; SANTA CLARA, CA</b>          |      |        |        |                        | <b>AMERICAN FLAT GLASS DIST; ALVARADO, TX</b>                       |      |        |        |                        |
| 1494  | 3/16 | ( 5.0) | TTG    | U                      | 1708  | 1/8  | ( 3.0) | TTG    | U                      |
| 1496  | 1/4  | ( 6.0) | TTG    | U                      | 1709  | 3/16 | ( 5.0) | TTG    | U                      |
| 1497  | 3/8  | (10.0) | TTG    | U                      | 1710  | 1/4  | ( 6.0) | TTG    | U                      |
| 1498  | 1/2  | (12.0) | TTG    | U                      | 1711  | 3/8  | (10.0) | TTG    | U                      |
| 1495  | 7/32 | ( 5.6) | TPG(S) | U                      | 1712  | 1/2  | (12.0) | TTG    | U                      |
| <b>ACI GLASS PRODUCTS INC; SANTA FE SPRINGS, CA</b> |      |        |        |                        | 1713  | 5/32 | ( 4.0) | TPG(S) | U                      |
| 1157  | 3/16 | ( 5.0) | TTG    | U                      | 1714  | 3/16 | ( 5.0) | TPG(S) | U                      |
| 1535  | 1/4  | ( 6.0) | TTG    | U                      | <b>AMERICAN FLAT GLASS DIST; FALL RIVER, MA</b>                     |      |        |        |                        |
| 640   | 1/2  | (12.0) | TTG    | U                      | 1518  | 1/8  | ( 3.0) | TTG    | U                      |
| 1226  | 1/8  | ( 3.2) | TPG(S) | U                      | 1519  | 3/16 | ( 5.0) | TTG    | U                      |
| <b>AFG INDS INC; BRIDGEPORT, WV</b>                 |      |        |        |                        | 1520  | 1/4  | ( 6.0) | TTG    | U                      |
| 1436  | 1/8  | ( 3.0) | TTG    | U                      | 1521  | 3/8  | (10.0) | TTG    | U                      |
| 1624  | 5/32 | ( 4.0) | TTG    | U                      | 1522  | 1/2  | (12.0) | TTG    | U                      |
| <b>AFG INDS INC; VICTORVILLE, CA</b>                |      |        |        |                        | 1524  | 5/32 | ( 4.0) | TPG(S) | U                      |
| 1664  | 1/8  | ( 3.2) | TTG    | U                      | 1523  | 3/16 | ( 4.8) | TPG(S) | U                      |
| 1641  | 5/32 | ( 4.0) | TTG    | U                      | <b>AMERICAN FLAT GLASS DIST; MARIETTA, GA</b>                       |      |        |        |                        |
| 1663  | 3/16 | ( 4.8) | TTG    | U                      | 1405  | 1/8  | ( 3.0) | TTG    | U                      |
| <b>AFG INDS INC; GREENLAND, TN</b>                  |      |        |        |                        | 1230  | 3/16 | ( 5.0) | TTG    | U                      |
| 598   | 1/8  | ( 3.0) | TTG    | U                      | 1231  | 1/4  | ( 6.0) | TTG    | U                      |
| 955   | 5/32 | ( 4.0) | TTG    | U                      | 1232  | 3/8  | (10.0) | TTG    | U                      |
| 220   | 3/16 | ( 5.0) | TTG    | U                      | 1406  | 1/2  | (12.0) | TTG    | U                      |
| 89  | 1/4  | ( 6.0) | TTG    | U                      | 1706  | 1/4  | ( 6.0) | LTG    | U                      |
| 90  | 3/8  | (10.0) | TTG    | U                      | 1428  | 5/32 | ( 4.0) | TPG(S) | U                      |
| 587   | 1/8  | ( 3.2) | TPG(S) | U                      | 1415  | 3/16 | ( 4.8) | TPG(S) | U                      |
| 1139  | 3/16 | ( 4.8) | TPG(S) | U                      | <b>ANGLASS INDS INC; SAN FERNANDO, CA</b>                           |      |        |        |                        |
| <b>AFG INDS INC; KINGSPORT, TN</b>                  |      |        |        |                        |   |      |        |        | <b>ANSI ONLY</b>       |
| 1390  | 1/8  | ( 3.0) | TTG    | U                      | 520   | 1/8  | ( 3.0) | TTG    | U                      |
| 949   | 5/32 | ( 4.0) | TTG    | U                      | 999   | 3/16 | ( 5.0) | TTG    | U                      |
| 28  | 3/16 | ( 5.0) | TTG    | U                      | 1000  | 1/4  | ( 6.0) | TTG    | U                      |
| 24  | 1/4  | ( 6.0) | TTG    | U                      | <b>ARCH ALUMINUM &amp; GLASS CO; AUSTELL, GA</b>                    |      |        |        |                        |
| 1143  | 3/16 | ( 4.8) | TPG(S) | U                      |   |      |        |        | <b>ANSI ONLY</b>       |
| 1414  | 1/8  | ( 3.2) | TPG(M) | U                      | 1765  | 1/8  | ( 3.0) | TTG    | U                      |
| <b>AFG INDS INC; SPRING HILL, KS</b>                |      |        |        |                        | 1766  | 3/16 | ( 5.0) | TTG    | U                      |
| 1702  | 1/8  | ( 3.0) | TTG    | U                      | 1767  | 1/4  | ( 6.0) | TTG    | U                      |
| 1703  | 5/32 | ( 4.0) | TTG    | U                      | 1768  | 3/8  | (10.0) | TTG    | U                      |
| 1704  | 3/16 | ( 5.0) | TTG    | U                      | 1769  | 1/2  | (12.0) | TTG    | U                      |
| 1705  | 1/4  | ( 6.0) | TTG    | U                      | <b>ARCH TEMPERED GLASS PRODUCTS; ORLANDO, FL</b>                    |      |        |        |                        |
| <b>AFG GLASS INC; CONCORD, ONTARIO, CANADA</b>      |      |        |        |                        |   |      |        |        | <b>ANSI ONLY</b>       |
| 1485  | 1/8  | ( 3.0) | TTG    | U                      | 1526  | 1/8  | ( 3.0) | TTG    | U                      |
| 1486  | 5/32 | ( 4.0) | TTG    | U                      | 1527  | 3/16 | ( 5.0) | TTG    | U                      |
|   |      |        |        |                        | 1528  | 1/4  | ( 6.0) | TTG    | U                      |
|   |      |        |        |                        | 1529  | 3/8  | (10.0) | TTG    | U                      |
|   |      |        |        |                        | 1530  | 1/2  | (12.0) | TTG    | U                      |

| SGCC NO.   | INCH | (MM)   | TYPE   | MAX. SIZE<br>CERTIFIED | SGCC NO.                                 | INCH                          | (MM)   | TYPE       | MAX. SIZE<br>CERTIFIED |
|--|------|--------|--------|------------------------|--|-------------------------------|--------|------------|------------------------|
| ARCH TEMPERED GLASS PRODUCTS; ORLANDO, FL (CON'T)  |      |        |        |                        | DOWNEY GLASS CO; LOS ANGELES, CA (CON'T) |                               |        |            |                        |
| 1531   | 1/8  | ( 3.0) | TPG(S) | U                      | 515                                      | 3/8                           | (10.0) | TTG        | U                      |
| 1682   | 5/32 | ( 4.0) | TPG(S) | U                      | 516                                      | 1/2                           | (12.0) | TTG        | U                      |
| 1562   | 3/16 | ( 4.8) | TPG(S) | U                      | 935                                      | 3/16                          | ( 4.8) | TPG(S)     | U                      |
| ARDCO INC; CHICAGO, IL                             |      |        |        |                        | 678                                      | 7/32                          | ( 5.6) | TPG(S)     | U                      |
| 1041   | 1/8  | ( 3.0) | TTG    | U                      | 1611                                     | 1/8                           | ( 3.2) | TPG(M)     | U                      |
| 1323   | 5/32 | ( 4.0) | TTG    | U                      | EMPIRE GLASS INC; BRONX, NY              |                               |        |            |                        |
| 1042   | 3/16 | ( 5.0) | TTG    | U                      | 1398                                     | 3/16                          | ( 5.0) | TTG        | U                      |
| 1563   | 5/32 | ( 4.0) | TBG    | U                      | 1399                                     | 1/4                           | ( 6.0) | TTG        | U                      |
| 1564   | 3/16 | ( 5.0) | TBG    | U                      | 1400                                     | 3/8                           | (10.0) | TTG        | U                      |
| 1565   | 1/4  | ( 6.0) | TBG    | U                      | 1401                                     | 1/2                           | (12.0) | TTG        | U                      |
| ASAHI GLASS CO LTD; TOKYO, JAPAN                   |      |        |        |                        | 1402                                     | 3/4                           | (19.0) | TTG        | U                      |
| 1770   | 3/8  | (10.0) | TTG    | U                      | FALCONER GLASS INDS INC; FALCONER, NY    |                               |        |            |                        |
| BUILDERS & DECORATORS GLASS CO; FT. LAUDERDALE, FL |      |        |        |                        | 1545                                     | 3/16                          | ( 5.0) | TTG        | U                      |
|  |      |        |        | ANSI ONLY              | 709                                      | 1/4                           | ( 6.0) | TTG        | U                      |
| 1667   | 1/4  | ( 6.0) | LTG    | U                      | 1280                                     | 3/8                           | (10.0) | TTG        | U                      |
| CAMERON GLASS INC; BROKEN ARROW, OK                |      |        |        |                        | 711                                      | 1/2                           | (12.0) | TTG        | U                      |
| 1736   | 1/8  | ( 3.2) | TTG    | U                      | 712                                      | 3/4                           | (19.0) | TTG        | U                      |
| 1763   | 5/32 | ( 4.0) | TTG    | U                      | FALCONER-LEWISTOWN INC; LEWISTOWN, PA    |                               |        |            |                        |
| 1749   | 3/16 | ( 5.0) | TTG    | U                      |  |                               |        |            | ANSI ONLY              |
| 1780   | 1/4  | ( 6.0) | TTG    | U                      | 1282                                     | 7/32                          | ( 5.5) | LTG( .015) | U                      |
| COLONIAL MIRROR & GLASS CORP; BROOKLYN, NY         |      |        |        |                        | 1284                                     | 1/4                           | ( 6.0) | LTG( .015) | U                      |
| 1165   | 1/4  | ( 6.0) | TTG    | U                      | 1315                                     | 3/8                           | (10.0) | LTG( .015) | U                      |
| 1166   | 3/8  | (10.0) | TTG    | U                      | 1316                                     | 1/2                           | (12.0) | LTG( .015) | U                      |
| 1167   | 1/2  | (12.0) | TTG    | U                      | FALCONER-LEWISTOWN INC; LEWISTOWN, PA    |                               |        |            |                        |
| CONTOUR INDUSTRIES INC; SURGOINSVILLE, TN          |      |        |        |                        | 1627                                     | 1/8                           | ( 3.0) | TTG        | U                      |
| 1680   | 1/8  | ( 3.0) | TTG    | 18" by 36"             | 1628                                     | 3/16                          | ( 5.0) | TTG        | U                      |
| 1679   | 5/32 | ( 4.0) | TTG    | 18" by 36"             | 1629                                     | 1/4                           | ( 6.0) | TTG        | U                      |
| 1678   | 3/16 | ( 5.0) | TTG    | 18" by 36"             | FLEX-O-GLASS INC; DIXON, IL              |                               |        |            |                        |
| 1677   | 1/4  | ( 6.0) | TTG    | 18" by 36"             | 118                                      | 0.080-inch through 0.125-inch |        |            | U                      |
| 1676   | 1/8  | ( 3.0) | TPG(S) | 18" by 36"             | smooth extruded acrylic                  |                               |        |            |                        |
| CORAGLASS INC; REFORM, AL                          |      |        |        |                        | FLORAL GLASS & MIRROR INC; HAUPPAUGE, NY |                               |        |            |                        |
| 1729   | 1/8  | ( 3.0) | TTG    | U                      | 1546                                     | 1/8                           | ( 3.0) | TTG        | U                      |
| 1731   | 5/32 | ( 4.0) | TTG    | U                      | 1547                                     | 3/16                          | ( 5.0) | TTG        | U                      |
| 1732   | 3/16 | ( 5.0) | TTG    | U                      | 1548                                     | 1/4                           | ( 6.0) | TTG        | U                      |
| 1733   | 1/4  | ( 6.0) | TTG    | U                      | 1549                                     | 3/8                           | (10.0) | TTG        | U                      |
| 1734   | 1/8  | ( 3.0) | TPG(S) | U                      | 1550                                     | 1/2                           | (12.0) | TTG        | U                      |
| 1735   | 5/32 | ( 4.0) | TPG(S) | U                      | 1551                                     | 3/4                           | (19.0) | TTG        | U                      |
| D & S TEMPERED GLASS; DALLAS, TX                   |      |        |        |                        | 1552                                     | 1/8                           | ( 3.2) | TPG(S)     | U                      |
| 1653   | 1/8  | ( 3.0) | TTG    | U                      | 1553                                     | 7/32                          | ( 5.6) | TPG(S)     | U                      |
| 1654   | 5/32 | ( 4.0) | TTG    | U                      | FREE STATE GLASS INDS; WARRENTON, VA     |                               |        |            |                        |
| 1655   | 3/16 | ( 5.0) | TTG    | U                      | 1590                                     | 1/8                           | ( 3.0) | TTG        | U                      |
| 1656   | 1/4  | ( 6.0) | TTG    | U                      | 1591                                     | 3/16                          | ( 5.0) | TTG        | U                      |
| 1657   | 3/8  | (10.0) | TTG    | U                      | 1592                                     | 1/4                           | ( 6.0) | TTG        | U                      |
| 1658   | 1/2  | (12.0) | TTG    | U                      | 1684                                     | 5/16                          | ( 8.0) | TTG        | U                      |
| 1659   | 1/8  | ( 3.0) | TPG(S) | U                      | 1593                                     | 3/8                           | (10.0) | TTG        | U                      |
| 1660   | 5/32 | ( 4.0) | TPG(S) | U                      | 1594                                     | 1/2                           | (12.0) | TTG        | U                      |
| 1661   | 3/16 | ( 4.8) | TPG(S) | U                      | GEMTRON CORP; SWEETWATER, TN             |                               |        |            |                        |
| DONNELLY CORP; HOLLAND, MI                         |      |        |        |                        | 1334                                     | 1/8                           | ( 3.0) | TTG        | U                      |
| 1721   | 1/8  | ( 3.0) | TTG    | 30" by 60"             | 1332                                     | 5/32                          | ( 4.0) | TTG        | U                      |
| 1687   | 3/16 | ( 4.8) | TTG    | 30" by 76"             | 1426                                     | .169                          | ( 4.3) | TTG        | U                      |
| 1688   | 1/4  | ( 6.0) | TTG    | 30" by 76"             | 1201                                     | 3/16                          | ( 5.0) | TTG        | U                      |
| DOWNEY GLASS CO; LOS ANGELES, CA                   |      |        |        |                        | 1477                                     | 1/4                           | ( 6.0) | TTG        | U                      |
| 1608   | 1/8  | ( 3.0) | TTG    | U                      | 1422                                     | 1/8                           | ( 3.2) | TPG(S)     | U                      |
| 1609   | 5/32 | ( 4.0) | TTG    | U                      | 1424                                     | 5/32                          | ( 4.0) | TPG(S)     | U                      |
| 630  | 3/16 | ( 5.0) | TTG    | U                      |  |                               |        |            |                        |
| 514  | 1/4  | ( 6.0) | TTG    | U                      |  |                               |        |            |                        |

| SGCC NO.   | INCH | (MM)   | TYPE   | MAX. SIZE<br>CERTIFIED | SGCC NO.  | INCH | (MM)   | TYPE       | MAX. SIZE<br>CERTIFIED |
|--|------|--------|--------|------------------------|---|------|--------|------------|------------------------|
| <b>GLASS FACTORY INC; RONKONKOMA, NY</b>             |      |        |        |                        | <b>GUARDIAN INDS CORP; FORT LAUDERDALE, FL</b>          |      |        |            |                        |
| 1458   | 1/8  | ( 3.0) | TTG    | U                      |   |      |        |            | <b>ANSI ONLY</b>       |
| 1459   | 3/16 | ( 5.0) | TTG    | U                      | 1161  | 1/8  | ( 3.0) | TTG        | U                      |
| 1460   | 1/4  | ( 6.0) | TTG    | U                      | 633   | 3/16 | ( 5.0) | TTG        | U                      |
| 1461   | 1/2  | (12.0) | TTG    | U                      | 40  | 1/4  | ( 6.0) | TTG        | U                      |
| <b>GLASS TEMPERING SERVICE INC; DETROIT, MI</b>      |      |        |        |                        | 41  | 3/8  | (10.0) | TTG        | U                      |
| 1389   | 1/8  | ( 3.0) | TTG    | 28" by 76"             | 1665  | 1/8  | ( 3.2) | TPG(S)     | 30" by 70"             |
| 1238   | 1/4  | ( 6.0) | TTG    | U                      | 1318  | 3/16 | ( 4.8) | TPG(S)     | U                      |
| 1340   | 3/16 | ( 4.8) | TPG(S) | 34" by 72"             | <b>GUARDIAN INDS CORP; KINGSBURG, CA</b>                |      |        |            |                        |
| <b>GLASSTEMP INC; BENSENVILLE, IL</b>                |      |        |        |                        |   |      |        |            | <b>ANSI ONLY</b>       |
| 1534   | 1/8  | ( 3.0) | TTG    | U                      | 968   | 1/8  | ( 3.0) | TTG        | U                      |
| 1381   | 3/16 | ( 5.0) | TTG    | U                      | 969   | 5/32 | ( 4.0) | TTG        | U                      |
| 1382   | 1/4  | ( 6.0) | TTG    | U                      | 970   | 3/16 | ( 5.0) | TTG        | U                      |
| 1383   | 3/8  | (10.0) | TTG    | U                      | 971   | 1/4  | ( 6.0) | TTG        | U                      |
| 1384   | 1/2  | (12.0) | TTG    | U                      | 1304  | 3/16 | ( 4.8) | TPG(S)     | U                      |
| 1698   | 5/16 | ( 8.0) | TBG    | U                      | <b>GUARDIAN INDS CORP; RICHBURG, SC</b>                 |      |        |            |                        |
| 1536   | 3/8  | (10.0) | TBG    | U                      |   |      |        |            | <b>ANSI ONLY</b>       |
| 1533   | 1/2  | (12.0) | TBG    | U                      | 1630  | 1/8  | ( 3.0) | TTG        | U                      |
| <b>GLOBE-AMERADA GLASS CO (ASSURANCE); SELMA, AL</b> |      |        |        |                        | 1631  | 5/32 | ( 4.0) | TTG        | U                      |
| 1668   | 1/4  | ( 6.0) | LTG    | U                      | 1632  | 3/16 | ( 5.0) | TTG        | U                      |
| <b>GUARDIAN FABRICATION INC; MILLBURY, OH</b>        |      |        |        |                        | 1633  | 1/4  | ( 6.0) | TTG        | U                      |
|  |      |        |        | <b>ANSI ONLY</b>       | 1634  | 3/8  | (10.0) | TTG        | U                      |
| 1574   | 1/8  | ( 3.0) | TTG    | U                      | 1683  | 1/8  | ( 3.2) | TPG(S)     | U                      |
| 1575   | 5/32 | ( 4.0) | TTG    | U                      | 1635  | 5/32 | ( 4.0) | TPG(S)     | U                      |
| 1576   | 3/16 | ( 5.0) | TTG    | U                      | <b>GUARDIAN INDS CORP; UPPER SANDUSKY, OH</b>           |      |        |            |                        |
| 1577   | 1/4  | ( 6.0) | TTG    | U                      |   |      |        |            | <b>ANSI ONLY</b>       |
| <b>GUARDIAN FABRICATION INC; ROGERS, AR</b>          |      |        |        |                        | 458   | 7/32 | ( 5.5) | LTG( .030) | U                      |
| 1355   | 1/8  | ( 3.0) | TTG    | U                      | 487   | 1/4  | ( 6.0) | LTG( .030) | U                      |
| 1616   | 5/32 | ( 4.0) | TTG    | U                      | <b>GUARDIAN INDS CORP; TILLSONBURG, ONTARIO, CANADA</b> |      |        |            |                        |
| 1356   | 3/16 | ( 5.0) | TTG    | U                      |   |      |        |            | <b>ANSI ONLY</b>       |
| 1357   | 1/4  | ( 6.0) | TTG    | U                      | 1462  | 1/8  | ( 3.0) | TTG        | U                      |
| 1358   | 1/8  | ( 3.2) | TPG(S) | U                      | <b>HAMILTON GLASS PRODUCTS INC; VINCENNES, IN</b>       |      |        |            |                        |
| 1359   | 5/32 | ( 4.0) | TPG(S) | U                      | 54  | 1/8  | ( 3.0) | TTG        | U                      |
| 1394   | 3/16 | ( 4.8) | TPG(D) | U                      | 1385  | 5/32 | ( 4.0) | TTG        | U                      |
| <b>GUARDIAN FABRICATION INC; WEBSTER, MA</b>         |      |        |        |                        | 1200  | 3/16 | ( 5.0) | TTG        | U                      |
|  |      |        |        | <b>ANSI ONLY</b>       | 57  | 1/4  | ( 6.0) | TTG        | U                      |
| 300  | 1/8  | ( 3.0) | TTG    | U                      | 1386  | 5/32 | ( 4.0) | TPG(S)     | U                      |
| 1607   | 5/32 | ( 4.0) | TTG    | U                      | 1387  | 3/16 | ( 4.8) | TPG(S)     | U                      |
| 1216   | 3/16 | ( 5.0) | TTG    | U                      | <b>HANKUK GLASS INDUSTRY LTD; SEOUL, KOREA</b>          |      |        |            |                        |
| 662  | 1/4  | ( 6.0) | TTG    | U                      |   |      |        |            | <b>ANSI ONLY</b>       |
| 471  | 3/8  | (10.0) | TTG    | U                      | 1479  | 5/32 | ( 4.0) | TTG        | U                      |
| 1235   | 1/2  | (12.0) | TTG    | U                      | 1480  | 3/16 | ( 5.0) | TTG        | U                      |
| <b>GUARDIAN INDUSTRIES CORP; CARLETON, MI</b>        |      |        |        |                        | 1413  | 1/4  | ( 6.0) | TTG        | U                      |
|  |      |        |        | <b>ANSI ONLY</b>       | 1481  | 5/16 | ( 8.0) | TTG        | U                      |
| 933  | 1/8  | ( 3.0) | TTG    | U                      | 1482  | 3/8  | (10.0) | TTG        | U                      |
| 934  | 5/32 | ( 4.0) | TTG    | U                      | 1483  | 1/2  | (12.0) | TTG        | U                      |
| 631  | 3/16 | ( 5.0) | TTG    | U                      | <b>HEHR GLASS CO; CHESANING, MI</b>                     |      |        |            |                        |
| 131  | 1/4  | ( 6.0) | TTG    | U                      |   |      |        |            | <b>ANSI ONLY</b>       |
| <b>GUARDIAN INDS CORP; CORSICANA, TX</b>             |      |        |        |                        | 1602  | 5/32 | ( 4.0) | TPG(S)     | U                      |
|  |      |        |        | <b>ANSI ONLY</b>       | 1730  | 7/32 | ( 5.6) | TPG(S)     | U                      |
| 1248   | 1/8  | ( 3.0) | TTG    | U                      | <b>HEHR GLASS CO; CHESANING, MI</b>                     |      |        |            |                        |
| 1249   | 5/32 | ( 4.0) | TTG    | U                      |   |      |        |            |                        |
| 1250   | 3/16 | ( 5.0) | TTG    | U                      | 1062  | 1/8  | ( 3.0) | TTG        | U                      |
| 1251   | 1/4  | ( 6.0) | TTG    | U                      | 1646  | 5/32 | ( 4.0) | TTG        | U                      |
| 1253   | 3/8  | (10.0) | TTG    | U                      | 1510  | 3/16 | ( 5.0) | TTG        | U                      |
| 1463   | 1/8  | ( 3.2) | TPG(S) | U                      | 1517  | 1/4  | ( 6.0) | TTG        | U                      |
| 1737   | 5/32 | ( 4.0) | TPG(S) | U                      | 1742  | 3/8  | (10.0) | TTG        | U                      |
| 1464   | 7/32 | ( 5.6) | TPG(S) | U                      | 1514  | 1/8  | ( 3.0) | TPG(S)     | 32" by 60"             |

| SGCC NO.   | INCH | (MM)   | TYPE       | MAX. SIZE<br>CERTIFIED | SGCC NO.                                    | INCH | (MM)   | TYPE       | MAX. SIZE<br>CERTIFIED |
|--|------|--------|------------|------------------------|---|------|--------|------------|------------------------|
| <b>HGP ARCHITECTURAL GLASS; WARRENTON, MO</b>            |      |        |            |                        | <b>PPG INDS INC; FORD CITY, PA</b>          |      |        |            |                        |
| 1379   | 1/8  | ( 3.0) | TTG        | U                      | 70  | 1/4  | ( 6.0) | TTG        | U                      |
| 1380   | 5/32 | ( 4.0) | TTG        | U                      | <b>PPG INDS INC; FRESNO, CA</b>             |      |        |            |                        |
| 1421   | 3/16 | ( 5.0) | TTG        | U                      | 295   | 1/8  | ( 3.0) | TTG        | U                      |
| 1448   | 1/4  | ( 6.0) | TTG        | U                      | 676   | 5/32 | ( 4.0) | TTG        | U                      |
| <b>HOFFER'S INC; SCHOFIELD, WI</b>                       |      |        |            |                        | 64  | 3/16 | ( 5.0) | TTG        | U                      |
| 1595   | 1/8  | ( 3.0) | TTG        | U                      | <b>PPG INDS INC; BURLINGTON, IA</b>         |      |        |            |                        |
| 1596   | 3/16 | ( 5.0) | TTG        | U                      | 1605  | 1/8  | ( 3.0) | TTG        | U                      |
| 1597   | 1/4  | ( 6.0) | TTG        | U                      | 1606  | 5/32 | ( 4.0) | TTG        | U                      |
| <b>INDEPENDENT INSULATING GLASS CO; BEDFORD PARK, IL</b> |      |        |            |                        | 1603  | 3/16 | ( 5.0) | TTG        | U                      |
| 1669   | 3/16 | ( 5.0) | TTG        | U                      | 1604  | 1/4  | ( 6.0) | TTG        | U                      |
| 1670   | 1/4  | ( 6.0) | TTG        | U                      | <b>PPG INDS INC; WICHITA FALLS, TX</b>      |      |        |            |                        |
| <b>LAMINATED GLASS CORP; TELFORD, PA</b>                 |      |        |            |                        | 1113  | 1/4  | ( 6.0) | TTG        | ANSI ONLY<br>U         |
| 1652   | 1/4  | ( 6.0) | LTG( .030) | U                      | <b>PPG INDS INC; WICHITA FALLS, TX</b>      |      |        |            |                        |
| <b>MACDONALD MIRROR INC; BRAMPTON, ONTARIO, CANADA</b>   |      |        |            |                        | 1110  | 1/8  | ( 3.0) | TTG        | U                      |
| 1651   | 1/4  | ( 6.0) | LTG( .030) | U                      | 1111  | 5/32 | ( 4.0) | TTG        | U                      |
| <b>MARVIN WINDOWS; WARROAD, MN</b>                       |      |        |            |                        | 1112  | 3/16 | ( 5.0) | TTG        | U                      |
| 1689   | 1/8  | ( 3.0) | TTG        | U                      | <b>SAFELITE GLASS CORP; WICHITA, KS</b>     |      |        |            |                        |
| 1723   | 5/32 | ( 4.0) | TTG        | U                      | 1173  | 7/32 | ( 5.5) | LTG( .015) | ANSI ONLY<br>U         |
| 1690   | 3/16 | ( 5.0) | TTG        | U                      | <b>SAFELITE GLASS CORP; WICHITA, KS</b>     |      |        |            |                        |
| 1691   | 1/4  | ( 6.0) | TTG        | U                      | 1360  | 3/16 | ( 5.0) | LTG( .030) | U                      |
| 1724   | 1/8  | ( 3.0) | TPG(S)     | U                      | 1666  | 7/32 | ( 5.6) | LPG(S)     | U                      |
| 1701   | 3/16 | ( 5.0) | TPG(S)     | U                      | <b>SAINT GOBAIN; THE NETHERLANDS</b>        |      |        |            |                        |
| <b>MILGARD TEMPERING INC; TACOMA, WA</b>                 |      |        |            |                        | 1393  | 1/4  | ( 6.0) | TTG        | ANSI ONLY<br>U         |
| 1578   | 1/4  | ( 6.0) | TTG        | U                      | <b>SHAW GLASS CO INC; SOUTH EASTON, MA</b>  |      |        |            |                        |
| <b>NASHVILLE TEMPERED GLASS CORP; NASHVILLE, TN</b>      |      |        |            |                        | 1484  | 1/8  | ( 3.0) | TTG        | U                      |
| 1416   | 1/8  | ( 3.0) | TTG        | U                      | 1034  | 3/16 | ( 5.0) | TTG        | U                      |
| 1467   | 3/16 | ( 5.0) | TTG        | U                      | 1035  | 1/4  | ( 6.0) | TTG        | U                      |
| 1417   | 1/4  | ( 6.0) | TTG        | U                      | 1036  | 3/8  | (10.0) | TTG        | U                      |
| <b>NORTHWESTERN INDS INC; SEATTLE, WA</b>                |      |        |            |                        | 1037  | 1/2  | (12.0) | TTG        | U                      |
| 1638   | 3/16 | ( 5.0) | TTG        | U                      | 1299  | 3/16 | ( 4.8) | TPG(S)     | U                      |
| 1639   | 1/4  | ( 6.0) | TTG        | U                      | <b>SOLAR SEAL SOUTH INC; ASHLAND, VA</b>    |      |        |            |                        |
| 1640   | 3/16 | ( 5.0) | LTG( .030) | U                      | 1621  | 3/16 | ( 5.0) | TTG        | U                      |
| <b>O &amp; W GLASS INDS INC; EVERETT, WA</b>             |      |        |            |                        | 1622  | 1/4  | ( 6.0) | TTG        | U                      |
| 1429   | 1/8  | ( 3.0) | TTG        | U                      | <b>SPECTRUM GLASS PRODUCTS; CLINTON, NC</b> |      |        |            |                        |
| 1707   | 7/32 | ( 5.5) | LTG        | U                      | 1073  | 3/16 | ( 5.0) | TTG        | ANSI ONLY<br>U         |
| <b>O &amp; W GLASS; GRANTS PASS, OR</b>                  |      |        |            |                        | 1074  | 1/4  | ( 6.0) | TTG        | U                      |
| 1743   | 1/8  | ( 3.0) | TTG        | U                      | 1075  | 5/16 | ( 8.0) | TTG        | U                      |
| <b>PAN LAM INDS; BOTHELL, WA</b>                         |      |        |            |                        | 1076  | 3/8  | (10.0) | TTG        | U                      |
| 1647   | 3/16 | ( 5.0) | LTG        | U                      | 1077  | 1/2  | (12.0) | TTG        | U                      |
| <b>PERMA*VIEW PROCESSED GLASS; CLARKSVILLE, TN</b>       |      |        |            |                        | 1716  | 5/8  | (16.0) | TTG        | U                      |
| 1505   | 1/8  | ( 3.0) | TTG        | U                      | 1718  | 3/4  | (19.0) | TTG        | U                      |
| 1506   | 3/16 | ( 5.0) | TTG        | U                      | <b>SPECTRUM GLASS PRODUCTS; CLINTON, NC</b> |      |        |            |                        |
| 1554   | 1/4  | ( 6.0) | TTG        | U                      | 1080  | 3/16 | ( 5.0) | TTG        | CPSC ONLY<br>U         |
| <b>PPG INDS INC; CARLISLE, PA</b>                        |      |        |            |                        | 1081  | 1/4  | ( 6.0) | TTG        | U                      |
| 382  | 1/4  | ( 6.0) | TTG        | ANSI ONLY<br>U         | 1082  | 5/16 | ( 8.0) | TTG        | U                      |
| <b>PPG INDS INC; CARLISLE, PA</b>                        |      |        |            |                        | 1083  | 3/8  | (10.0) | TTG        | U                      |
| 250  | 1/8  | ( 3.0) | TTG        | U                      | 1084  | 1/2  | (12.0) | TTG        | U                      |
| 675  | 5/32 | ( 4.0) | TTG        | U                      | 1717  | 5/8  | (16.0) | TTG        | U                      |
| 249  | 3/16 | ( 5.0) | TTG        | U                      | 1719  | 3/4  | (19.0) | TTG        | U                      |

| SGCC NO.                                      | INCH | (MM)   | TYPE   | MAX. SIZE<br>CERTIFIED | SGCC NO.   | INCH | (MM)   | TYPE       | MAX. SIZE<br>CERTIFIED |
|---|------|--------|--------|------------------------|--|------|--------|------------|------------------------|
| <b>SPI GLASS CORP; CLAREMORE, OK</b>          |      |        |        |                        | <b>TEMPGLASS EASTERN INC; BUFORD, GA (CON'T)</b> |      |        |            |                        |
| 1361  | 5/32 | ( 4.0) | TTG    | U                      | 982  | 1/4  | ( 6.0) | TTG        | U                      |
| 1362  | 3/16 | ( 5.0) | TTG    | U                      | 1058   | 3/8  | (10.0) | TTG        | U                      |
| 1363  | 1/4  | ( 6.0) | TTG    | U                      | 1059   | 1/2  | (12.0) | TTG        | U                      |
| 1374  | 3/8  | (10.0) | TTG    | U                      | 1771   | 1/4  | ( 6.0) | LTG( .030) | U                      |
| <b>STERLING PLUMBING GROUP; MALVERN, AR</b>   |      |        |        |                        | 1772   | 3/8  | (10.0) | LTG( .030) | U                      |
| 1781  | 1/8  | ( 3.0) | TPG(S) | U                      | 1773   | 1/2  | (12.0) | LTG( .030) | U                      |
| <b>SUMITEC INC; BENTON HARBOR, MI</b>         |      |        |        |                        | <b>TEMPGLASS MIAMI; MIAMI, FL</b>                |      |        |            |                        |
|   |      |        |        | <b>ANSI ONLY</b>       | 1744   | 3/16 | ( 5.0) | TTG        | U                      |
| 1441  | 7/32 | ( 5.6) | LTG    | U                      | 1745   | 1/4  | ( 6.0) | TTG        | U                      |
| 1699  | 1/2  | (12.0) | LTG    | U                      | 1746   | 3/8  | (10.0) | TTG        | U                      |
| <b>SUNBELT GLASS INC; TULSA, OK</b>           |      |        |        |                        | 1747   | 1/2  | (12.0) | TTG        | U                      |
| 1453  | 1/8  | ( 3.0) | TTG    | U                      | <b>TEMPGLASS SOUTHERN INC; GRAND PRAIRIE, TX</b> |      |        |            |                        |
| 1454  | 3/16 | ( 5.0) | TTG    | U                      | 1219   | 3/16 | ( 5.0) | TTG        | U                      |
| 1455  | 1/4  | ( 6.0) | TTG    | U                      | 1044   | 1/4  | ( 6.0) | TTG        | U                      |
| 1456  | 3/8  | (10.0) | TTG    | U                      | 1045   | 3/8  | (10.0) | TTG        | U                      |
| 1457  | 1/2  | (12.0) | TTG    | U                      | 1046   | 1/2  | (12.0) | TTG        | U                      |
| 1617  | 5/32 | ( 4.0) | TPG(S) | U                      | 1700   | 5/16 | ( 8.0) | LTG        | U                      |
| 1618  | 3/16 | ( 4.8) | TPG(S) | U                      | 1649   | 1/2  | (12.0) | LTG( .031) | U                      |
| <b>SWIFT GLASS CO INC; ELMIRA HEIGHTS, NY</b> |      |        |        |                        | <b>THERMAGLAS CORP; SAGINAW, MI</b>              |      |        |            |                        |
| 1555  | 1/8  | ( 3.0) | TTG    | U                      | 1738   | 3/16 | ( 5.0) | TTG        | U                      |
| 1556  | 3/16 | ( 5.0) | TTG    | U                      | 1739   | 1/4  | ( 6.0) | TTG        | U                      |
| 1557  | 1/4  | ( 6.0) | TTG    | U                      | 1740   | 3/8  | (10.0) | TTG        | U                      |
| 1558  | 3/8  | (10.0) | TTG    | U                      | 1741   | 1/2  | (12.0) | TTG        | U                      |
| 1559  | 1/2  | (12.0) | TTG    | U                      | <b>TRACO (THREE RIVERS ALUM); WARRENDALE, PA</b> |      |        |            |                        |
| <b>TAYLOR PRODUCTS INC; PAYNE, OH</b>         |      |        |        |                        | 1308   | 1/8  | ( 3.0) | TTG        | U                      |
| 1586  | 1/8  | ( 3.2) | TTG    | U                      | 1310   | 3/16 | ( 5.0) | TTG        | U                      |
| 1587  | 5/32 | ( 4.0) | TTG    | U                      | 1311   | 1/4  | ( 6.0) | TTG        | U                      |
| 1588  | 3/16 | ( 5.0) | TTG    | U                      | <b>U S PRECISION GLASS; ELGIN, IL</b>            |      |        |            |                        |
| 1589  | 1/4  | ( 6.0) | TTG    | U                      | 1369   | 1/8  | ( 3.0) | TTG        | U                      |
| 1598  | 3/8  | (10.0) | TTG    | U                      | 1370   | 5/32 | ( 4.0) | TTG        | U                      |
| <b>TEMP-TECH INDS INC; CHICAGO, IL</b>        |      |        |        |                        | 1371   | 3/16 | ( 5.0) | TTG        | U                      |
| 986   | 1/4  | ( 6.0) | TTG    | U                      | 1372   | 1/4  | ( 6.0) | TTG        | U                      |
| <b>TEMPERED GLASS CORP; TAMPA, FL</b>         |      |        |        |                        | <b>U S PRECISION GLASS; JEFFERSON, TX</b>        |      |        |            |                        |
| 1395  | 3/16 | ( 5.0) | TTG    | U                      |  |      |        |            | <b>ANSI ONLY</b>       |
| 337   | 1/4  | ( 6.0) | TTG    | U                      | 1388   | 1/8  | ( 3.2) | TPG(M)     | U                      |
| 348   | 3/8  | (10.0) | TTG    | U                      | <b>U S PRECISION GLASS; JEFFERSON, TX</b>        |      |        |            |                        |
| 338   | 1/2  | (12.0) | TTG    | U                      | 1281   | 1/8  | ( 3.0) | TTG        | U                      |
| 1329  | 3/16 | ( 4.8) | TPG(S) | U                      | 1715   | 5/32 | ( 4.0) | TTG        | U                      |
| 1118  | 7/32 | ( 5.6) | TPG(S) | U                      | 1286   | 3/16 | ( 5.0) | TTG        | U                      |
| <b>TEMPERED GLASS INC; AUSTELL, GA</b>        |      |        |        |                        | 1287   | 1/4  | ( 6.0) | TTG        | U                      |
| 862   | 3/16 | ( 5.0) | TTG    | U                      | <b>U S PRECISION GLASS; LEWISBURG, OH</b>        |      |        |            |                        |
| 863   | 1/4  | ( 6.0) | TTG    | U                      |  |      |        |            | <b>ANSI ONLY</b>       |
| 865   | 3/8  | (10.0) | TTG    | U                      | 188  | 3/16 | ( 4.8) | TPG(S)     | U                      |
| 866   | 1/2  | (12.0) | TTG    | U                      | 562  | 7/32 | ( 5.6) | TPG(S)     | U                      |
| <b>TEMPGLASS INC; PERRYSBURG, OH</b>          |      |        |        |                        | 654  | 1/8  | ( 3.2) | TPG(M)     | U                      |
| 1039  | 1/8  | ( 3.0) | TTG    | U                      | 328  | 3/16 | ( 4.8) | TPG(D)     | U                      |
| 592   | 3/16 | ( 5.0) | TTG    | U                      | <b>U S PRECISION GLASS; LEWISBURG, OH</b>        |      |        |            |                        |
| 1420  | 1/4  | ( 6.0) | TTG    | U                      | 1050   | 1/8  | ( 3.0) | TTG        | U                      |
| 594   | 3/8  | (10.0) | TTG    | U                      | 1452   | 5/32 | ( 4.0) | TTG        | U                      |
| 595   | 1/2  | (12.0) | TTG    | U                      | 185  | 3/16 | ( 5.0) | TTG        | U                      |
| <b>TEMPGLASS EASTERN INC; BUFORD, GA</b>      |      |        |        |                        | 186  | 1/4  | ( 6.0) | TTG        | U                      |
| 979   | 1/8  | ( 3.0) | TTG    | U                      | <b>VIRACON INC; OWATONNA, MN</b>                 |      |        |            |                        |
| 1259  | 5/32 | ( 4.0) | TTG    | U                      | 1476   | 1/8  | ( 3.0) | TTG        | U                      |
| 981   | 3/16 | ( 5.0) | TTG    | U                      | 1403   | 3/16 | ( 5.0) | TTG        | U                      |
|   |      |        |        |                        | 1404   | 1/4  | ( 6.0) | TTG        | U                      |

| SGCC NO.  | INCH | (MM)    | TYPE       | MAX. SIZE<br>CERTIFIED |
|---|------|---------|------------|------------------------|
| <b>VIRACON INC; OWATONNA, MN (CON'T)</b>              |      |         |            |                        |
| 1508  | 3/8  | ( 10.0) | TTG        | U                      |
| 1509  | 1/2  | ( 12.0) | TTG        | U                      |
| 1637  | 3/16 | ( 5.0)  | LTG( .030) | U                      |
| 1778  | 9/32 | ( 7.0)  | LTG( .034) | U                      |
| 1764  | 5/16 | ( 8.0)  | LTG( .077) | U                      |
| 1636  | 3/16 | ( 5.0)  | LPG( .030) | U                      |
| <b>VIRACON WEST; VACAVILLE, CA</b>                    |      |         |            |                        |
| 1750  | 1/8  | ( 3.0)  | TTG        | U                      |
| 1571  | 3/16 | ( 5.0)  | TTG        | U                      |
| 1572  | 1/4  | ( 6.0)  | TTG        | U                      |
| 1752  | 3/8  | (10.0)  | TTG        | U                      |
| 1753  | 1/2  | (12.0)  | TTG        | U                      |
| 1751  | 3/16 | ( 5.0)  | LTG( .030) | U                      |
| <b>VIRGINIA GLASS PRODUCTS CORP; MARTINSVILLE, VA</b> |      |         |            |                        |
| 12  | 3/16 | ( 5.0)  | TTG        | U                      |
| 14  | 1/4  | ( 6.0)  | TTG        | U                      |
| 93  | 3/8  | (10.0)  | TTG        | U                      |
| 94  | 1/2  | (12.0)  | TTG        | U                      |
| 95  | 3/4  | (19.0)  | TTG        | U                      |
| 1275  | 3/16 | ( 4.8)  | TPG(S)     | U                      |

### CERTIFIED PRODUCTS KEY

TTG = TEMPERED TRANSPARENT GLASS

TPG = TEMPERED PATTERNED GLASS

TBG = TEMPERED BENT GLASS

LTG = LAMINATED TRANSPARENT GLASS

LPG = LAMINATED PATTERNED GLASS

OCG = ORGANIC COATED GLASS

(S) = SHALLOW PATTERN

(M) = MEDIUM PATTERN

(D) = DEEP PATTERN

U = UNLIMITED SIZE



|   | <u>SGCC NO.</u> | <u>MAX. SIZE<br/>CERTIFIED</u> |
|---|-----------------|--------------------------------|
| <b>TEMPERED TRANSPARENT GLASS</b>                 |                 |                                |
| <b>1/8 inch tempered transparent glass</b>        |                 |                                |
| AFG Industries; Bridgeport, WV                    | 1436            | U                              |
| AFG Industries; Greenland, TN                     | 598             | U                              |
| AFG Industries; Kingsport, TN                     | 1390            | U                              |
| AFG Industries Inc; Spring Hill, KS               | 1702            | U                              |
| AFG Glass Inc; Concord, Ontario, Canada           | 1485            | U                              |
| American Flat Glass Dist; Alvarado, TX            | 1708            | U                              |
| American Flat Glass Distrib; Fall River, MA       | 1518            | U                              |
| American Flat Glass Distrib; Marietta, GA         | 1405            | U                              |
| Anglass Industries; San Fernando, CA              | 520             | ANSI ONLY U                    |
| Arch Aluminum & Glass Co; Austell, GA             | 1765            | ANSI ONLY U                    |
| Arch Tempered Glass; Orlando, FL                  | 1526            | ANSI ONLY U                    |
| Ardco, Inc; Chicago, IL                           | 1041            | U                              |
| Contour Industries; Surgoinsville, TN             | 1680            | 18" by 36"                     |
| Coraglass Inc; Reform, AL                         | 1729            | U                              |
| D & S Tempered Glass; Dallas, TX                  | 1653            | U                              |
| Donnelly Corp; Holland, MI                        | 1721            | 30" by 60"                     |
| Downey Glass Co; Los Angeles, CA                  | 1608            | U                              |
| Falconer-Lewistown; Lewistown, PA                 | 1627            | U                              |
| Floral Glass & Mirror; Hauppauge, NY              | 1546            | U                              |
| Free State Glass Industries; Warrenton, VA        | 1590            | U                              |
| Gemtron Corp; Sweetwater, TN                      | 1334            | U                              |
| The Glass Factory; Ronkonkoma, NY                 | 1458            | U                              |
| Glass Tempering Service; Detroit, MI              | 1389            | 28" by 76"                     |
| Glasstemp, Inc.; Bensenville, IL                  | 1534            | U                              |
| Guardian Fabrication; Millbury, OH                | 1574            | ANSI ONLY U                    |
| Guardian Fabrication; Rogers, AR                  | 1355            | U                              |
| Guardian Fabrication; Webster, MA                 | 300             | ANSI ONLY U                    |
| Guardian Industries; Carleton, MI                 | 933             | ANSI ONLY U                    |
| Guardian Industries; Corsicana, TX                | 1248            | ANSI ONLY U                    |
| Guardian Industries; Fort Lauderdale, FL          | 1161            | ANSI ONLY U                    |
| Guardian Industries; Kingsburg, CA                | 968             | ANSI ONLY U                    |
| Guardian Industries; Richburg, SC                 | 1630            | ANSI ONLY U                    |
| Guardian Industries; Tillsonburg, Ontario, Canada | 1462            | ANSI ONLY U                    |
| Hamilton Glass Products; Vincennes, IN            | 54              | U                              |
| Hehr Glass Co; Chesaning, MI                      | 1062            | U                              |
| HGP Architectural Glass; Warrenton, MO            | 1379            | U                              |
| Hoffer's, Inc.; Schofield, WI                     | 1595            | U                              |
| Marvin Windows; Warroad, MN                       | 1689            | U                              |
| Nashville Tempered Glass; Nashville, TN           | 1416            | U                              |
| O & W Glass Ind; Everett, WA                      | 1429            | U                              |
| O & W Glass; Grants Pass, OR                      | 1743            | U                              |
| Perma*View Processed Glass; Clarksville, TN       | 1505            | U                              |
| PPG Industries; Carlisle, PA                      | 250             | U                              |
| PPG Industries; Fresno, CA                        | 295             | U                              |
| PPG Industries; Burlington, IA                    | 1605            | U                              |
| PPG Industries; Wichita Falls, TX                 | 1110            | U                              |
| Shaw Glass Co Inc; South Easton, MA               | 1484            | U                              |
| Sunbelt Glass, Inc; Tulsa, OK                     | 1453            | U                              |
| Swift Glass Co., Inc.; Elmira Heights, NY         | 1555            | U                              |
| Tempglass, Inc; Perrysburg, OH                    | 1039            | U                              |
| Tempglass Eastern, Inc; Buford, GA                | 979             | U                              |
| TRACO (Three Rivers Alum.); Warrendale, PA        | 1308            | U                              |
| U S Precision Glass; Elgin, IL                    | 1369            | U                              |
| U S Precision Glass; Jefferson, TX                | 1281            | U                              |
| U S Precision Glass; Lewisburg, OH                | 1050            | U                              |
| Viracon, Inc; Owatonna, MN                        | 1476            | U                              |
| Viracon West; Vacaville, CA                       | 1750            | U                              |
| AFG Industries; Victorville, CA                   | 1664            | U                              |
| Cameron Glass Inc; Broken Arrow, OK               | 1736            | U                              |
| Taylor Products, Inc.; Payne, OH                  | 1586            | U                              |

**5/32 inch tempered transparent glass**

|                                |      |   |
|--------------------------------|------|---|
| AFG Industries; Bridgeport, WV | 1624 | U |
|--------------------------------|------|---|

|  | <u>SGCC NO.</u> | <u>MAX. SIZE<br/>CERTIFIED</u> |
|--|-----------------|--------------------------------|
| <b>TEMPERED TRANSPARENT GLASS - continued</b>            |                 |                                |
| <b>5/32 inch tempered transparent glass - continued</b>  |                 |                                |
| AFG Industries; Victorville, CA                          | 1641            | U                              |
| AFG Industries; Greenland, TN                            | 955             | U                              |
| AFG Industries; Kingsport, TN                            | 949             | U                              |
| AFG Industries Inc; Spring Hill, KS                      | 1703            | U                              |
| AFG Glass Inc; Concord, Ontario, Canada                  | 1486            | U                              |
| All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA | 1754            | U                              |
| Ardco, Inc; Chicago, IL                                  | 1323            | U                              |
| Cameron Glass Inc; Broken Arrow, OK                      | 1763            | U                              |
| Contour Industries; Surgoinsville, TN                    | 1679            | 18" by 36"                     |
| Coraglass Inc; Reform, AL                                | 1731            | U                              |
| D & S Tempered Glass; Dallas, TX                         | 1654            | U                              |
| Downey Glass Co; Los Angeles, CA                         | 1609            | U                              |
| Gemtron Corp; Sweetwater, TN                             | 1332            | U                              |
| Guardian Fabrication; Millbury, OH                       | 1575            | ANSI ONLY U                    |
| Guardian Fabrication; Rogers, AR                         | 1616            | U                              |
| Guardian Fabrication; Webster, MA                        | 1607            | ANSI ONLY U                    |
| Guardian Industries; Carleton, MI                        | 934             | ANSI ONLY U                    |
| Guardian Industries; Corsicana, TX                       | 1249            | ANSI ONLY U                    |
| Guardian Industries; Kingsburg, CA                       | 969             | ANSI ONLY U                    |
| Guardian Industries; Richburg, SC                        | 1631            | ANSI ONLY U                    |
| Hamilton Glass Products; Vincennes, IN                   | 1385            | U                              |
| Hankuk Glass Ind; Seoul, Korea                           | 1479            | ANSI ONLY U                    |
| Hehr Glass Co; Chesaning, MI                             | 1646            | U                              |
| HGP Architectural Glass; Warrenton, MO                   | 1380            | U                              |
| Marvin Windows; Warroad, MN                              | 1723            | U                              |
| PPG Industries; Carlisle, PA                             | 675             | U                              |
| PPG Industries; Fresno, CA                               | 676             | U                              |
| PPG Industries; Burlington, IA                           | 1606            | U                              |
| PPG Industries; Wichita Falls, TX                        | 1111            | U                              |
| SPI Glass Corp; Claremore, OK                            | 1361            | U                              |
| Taylor Products, Inc.; Payne, OH                         | 1587            | U                              |
| Tempglass Eastern, Inc; Buford, GA                       | 1259            | U                              |
| U S Precision Glass; Elgin, IL                           | 1370            | U                              |
| U S Precision Glass; Jefferson, TX                       | 1715            | U                              |
| U S Precision Glass; Lewisburg, OH                       | 1452            | U                              |
| <b>.169 inch tempered transparent glass</b>              |                 |                                |
| Gemtron Corp; Sweetwater, TN                             | 1426            | U                              |
| <b>3/16 inch tempered transparent glass</b>              |                 |                                |
| AFG Industries; Victorville, CA                          | 1663            | U                              |
| Donnelly Corp; Holland, MI                               | 1687            | 30" by 76"                     |
| ACI Glass; Greensboro, NC                                | 1642            | U                              |
| ACI Glass Products Inc; Dallas, TX                       | 400             | U                              |
| ACI Glass Products; Santa Clara, CA                      | 1494            | U                              |
| ACI Glass; Santa Fe Springs, CA                          | 1157            | U                              |
| AFG Industries; Greenland, TN                            | 220             | U                              |
| AFG Industries; Kingsport, TN                            | 28              | U                              |
| AFG Industries Inc; Spring Hill, KS                      | 1704            | U                              |
| AFG Glass Inc; Concord, Ontario, Canada                  | 1487            | U                              |
| All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA | 1755            | U                              |
| American Flat Glass Dist; Alvarado, TX                   | 1709            | U                              |
| American Flat Glass Distrib; Fall River, MA              | 1519            | U                              |
| American Flat Glass Distrib; Marietta, GA                | 1230            | U                              |
| Anglass Industries; San Fernando, CA                     | 999             | ANSI ONLY U                    |
| Arch Aluminum & Glass Co; Austell, GA                    | 1766            | ANSI ONLY U                    |
| Arch Tempered Glass; Orlando, FL                         | 1527            | ANSI ONLY U                    |
| Ardco, Inc; Chicago, IL                                  | 1042            | U                              |
| Cameron Glass Inc; Broken Arrow, OK                      | 1749            | U                              |
| Contour Industries; Surgoinsville, TN                    | 1678            | 18" by 36"                     |
| Coraglass Inc; Reform, AL                                | 1732            | U                              |
| D & S Tempered Glass; Dallas, TX                         | 1655            | U                              |

|   | <u>SGCC NO.</u> | <u>MAX. SIZE<br/>CERTIFIED</u> |
|---|-----------------|--------------------------------|
| <b>TEMPERED TRANSPARENT GLASS - continued</b>           |                 |                                |
| <b>3/16 inch tempered transparent glass - continued</b> |                 |                                |
| Downey Glass Co; Los Angeles, CA                        | 630             | U                              |
| Empire Glass, Inc; Bronx, NY                            | 1398            | U                              |
| Falconer Glass Industries; Falconer, NY                 | 1545            | U                              |
| Falconer-Lewistown; Lewistown, PA                       | 1628            | U                              |
| Floral Glass & Mirror; Hauppauge, NY                    | 1547            | U                              |
| Free State Glass Industries; Warrenton, VA              | 1591            | U                              |
| Gemtron Corp; Sweetwater, TN                            | 1201            | U                              |
| The Glass Factory; Ronkonkoma, NY                       | 1459            | U                              |
| Glasstemp, Inc.; Bensenville, IL                        | 1381            | U                              |
| Guardian Fabrication; Millbury, OH                      | 1576            | ANSI ONLY U                    |
| Guardian Fabrication; Rogers, AR                        | 1356            | U                              |
| Guardian Fabrication; Webster, MA                       | 1216            | ANSI ONLY U                    |
| Guardian Industries; Carleton, MI                       | 631             | ANSI ONLY U                    |
| Guardian Industries; Corsicana, TX                      | 1250            | ANSI ONLY U                    |
| Guardian Industries; Fort Lauderdale, FL                | 633             | ANSI ONLY U                    |
| Guardian Industries; Kingsburg, CA                      | 970             | ANSI ONLY U                    |
| Guardian Industries; Richburg, SC                       | 1632            | ANSI ONLY U                    |
| Hamilton Glass Products; Vincennes, IN                  | 1200            | U                              |
| Hankuk Glass Ind; Seoul, Korea                          | 1480            | ANSI ONLY U                    |
| Hehr Glass Co; Chesaning, MI                            | 1510            | U                              |
| HGP Architectural Glass; Warrenton, MO                  | 1421            | U                              |
| Hoffer's, Inc.; Schofield, WI                           | 1596            | U                              |
| Indepent Insulating Glass Co; Bedford Park, IL          | 1669            | U                              |
| Marvin Windows; Warroad, MN                             | 1690            | U                              |
| Nashville Tempered Glass; Nashville, TN                 | 1467            | U                              |
| Northwestern Industries; Seattle, WA                    | 1638            | U                              |
| Perma*View Processed Glass; Clarksville, TN             | 1506            | U                              |
| PPG Industries; Carlisle, PA                            | 249             | U                              |
| PPG Industries; Fresno, CA                              | 64              | U                              |
| PPG Industries; Burlington, IA                          | 1603            | U                              |
| PPG Industries; Wichita Falls, TX                       | 1112            | U                              |
| Shaw Glass Co Inc; South Easton, MA                     | 1034            | U                              |
| Solar Seal South; Ashland, VA                           | 1621            | U                              |
| Spectrum Glass Prods; Clinton, NC                       | 1073            | ANSI ONLY U                    |
| Spectrum Glass Prods; Clinton, NC                       | 1080            | CPSC ONLY U                    |
| SPI Glass Corp; Claremore, OK                           | 1362            | U                              |
| Sunbelt Glass, Inc; Tulsa, OK                           | 1454            | U                              |
| Swift Glass Co., Inc.; Elmira Heights, NY               | 1556            | U                              |
| Taylor Products, Inc.; Payne, OH                        | 1588            | U                              |
| Tempered Glass Corp; Tampa, FL                          | 1395            | U                              |
| Tempered Glass, Inc; Austell, GA                        | 862             | U                              |
| Tempglass, Inc; Perrysburg, OH                          | 592             | U                              |
| Tempglass Eastern, Inc; Buford, GA                      | 981             | U                              |
| Tempglass Miami; Miami, FL                              | 1744            | U                              |
| Tempglass Southern, Inc; Grand Prairie, TX              | 1219            | U                              |
| Thermaglas Inc; Saginaw, MI                             | 1738            | U                              |
| TRACO (Three Rivers Alum.); Warrendale, PA              | 1310            | U                              |
| U S Precision Glass; Elgin, IL                          | 1371            | U                              |
| U S Precision Glass; Jefferson, TX                      | 1286            | U                              |
| U S Precision Glass; Lewisburg, OH                      | 185             | U                              |
| Viracon, Inc; Owatonna, MN                              | 1403            | U                              |
| Viracon West; Vacaville, CA                             | 1571            | U                              |
| Virginia Glass Products; Martinsville, VA               | 12              | U                              |
| <b>1/4 inch tempered transparent glass</b>              |                 |                                |
| ACI Glass; Greensboro, NC                               | 1643            | U                              |
| ACI Glass Products Inc; Dallas, TX                      | 402             | U                              |
| ACI Glass Products; Santa Clara, CA                     | 1496            | U                              |
| ACI Glass; Santa Fe Springs, CA                         | 1535            | U                              |
| AFG Industries; Greenland, TN                           | 89              | U                              |
| AFG Industries; Kingsport, TN                           | 24              | U                              |
| AFG Industries Inc; Spring Hill, KS                     | 1705            | U                              |
| AFG Glass Inc; Concord, Ontario, Canada                 | 1489            | U                              |

|  | <u>SGCC NO.</u> | <u>MAX. SIZE<br/>CERTIFIED</u> |
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| <b>TEMPERED TRANSPARENT GLASS - continued</b>            |                 |                                |
| <b>1/4 inch tempered transparent glass - continued</b>   |                 |                                |
| All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA | 1756            | U                              |
| American Flat Glass Dist; Alvarado, TX                   | 1710            | U                              |
| American Flat Glass Distrib; Fall River, MA              | 1520            | U                              |
| American Flat Glass Distrib; Marietta, GA                | 1231            | U                              |
| Anglass Industries; San Fernando, CA                     | 1000            | ANSI ONLY U                    |
| Arch Aluminum & Glass Co; Austell, GA                    | 1767            | ANSI ONLY U                    |
| Arch Tempered Glass; Orlando, FL                         | 1528            | ANSI ONLY U                    |
| Cameron Glass Inc; Broken Arrow, OK                      | 1780            | U                              |
| Colonial Mirror & Glass; Brooklyn, NY                    | 1165            | U                              |
| Contour Industries; Surgoinsville, TN                    | 1677            | 18" by 36"                     |
| Coraglass Inc; Reform, AL                                | 1733            | U                              |
| D & S Tempered Glass; Dallas, TX                         | 1656            | U                              |
| Donnelly Corp; Holland, MI                               | 1688            | 30" by 76"                     |
| Downey Glass Co; Los Angeles, CA                         | 514             | U                              |
| Empire Glass, Inc; Bronx, NY                             | 1399            | U                              |
| Falconer Glass Industries; Falconer, NY                  | 709             | U                              |
| Falconer-Lewistown; Lewistown, PA                        | 1629            | U                              |
| Floral Glass & Mirror; Hauppauge, NY                     | 1548            | U                              |
| Free State Glass Industries; Warrenton, VA               | 1592            | U                              |
| Gemtron Corp; Sweetwater, TN                             | 1477            | U                              |
| The Glass Factory; Ronkonkoma, NY                        | 1460            | U                              |
| Glass Tempering Service; Detroit, MI                     | 1238            | U                              |
| Glasstemp, Inc.; Bensenville, IL                         | 1382            | U                              |
| Guardian Fabrication; Millbury, OH                       | 1577            | ANSI ONLY U                    |
| Guardian Fabrication; Rogers, AR                         | 1357            | U                              |
| Guardian Fabrication; Webster, MA                        | 662             | ANSI ONLY U                    |
| Guardian Industries; Carleton, MI                        | 131             | ANSI ONLY U                    |
| Guardian Industries; Corsicana, TX                       | 1251            | ANSI ONLY U                    |
| Guardian Industries; Fort Lauderdale, FL                 | 40              | ANSI ONLY U                    |
| Guardian Industries; Kingsburg, CA                       | 971             | ANSI ONLY U                    |
| Guardian Industries; Richburg, SC                        | 1633            | ANSI ONLY U                    |
| Hamilton Glass Products; Vincennes, IN                   | 57              | U                              |
| Hankuk Glass Ind; Seoul, Korea                           | 1413            | ANSI ONLY U                    |
| Hehr Glass Co; Chesaning, MI                             | 1517            | U                              |
| HGP Architectural Glass; Warrenton, MO                   | 1448            | U                              |
| Hoffer's, Inc.; Schofield, WI                            | 1597            | U                              |
| Indepent Insulating Glass Co; Bedford Park, IL           | 1670            | U                              |
| Marvin Windows; Warroad, MN                              | 1691            | U                              |
| Milgard Tempering Inc; Tacoma, WA                        | 1578            | U                              |
| Nashville Tempered Glass; Nashville, TN                  | 1417            | U                              |
| Northwestern Industries; Seattle, WA                     | 1639            | U                              |
| PermaView Processed Glass; Clarksville, TN               | 1554            | U                              |
| PPG Industries; Carlisle, PA                             | 382             | ANSI ONLY U                    |
| PPG Industries; Ford City, PA                            | 70              | U                              |
| PPG Industries; Burlington, IA                           | 1604            | U                              |
| PPG Industries; Wichita Falls, TX                        | 1113            | ANSI ONLY U                    |
| Saint Gobain; The Netherlands                            | 1393            | ANSI ONLY U                    |
| Shaw Glass Co Inc; South Easton, MA                      | 1035            | U                              |
| Solar Seal South; Ashland, VA                            | 1622            | U                              |
| Spectrum Glass Prods; Clinton, NC                        | 1074            | ANSI ONLY U                    |
| Spectrum Glass Prods; Clinton, NC                        | 1081            | CPSC ONLY U                    |
| SPI Glass Corp; Claremore, OK                            | 1363            | U                              |
| Sunbelt Glass, Inc; Tulsa, OK                            | 1455            | U                              |
| Swift Glass Co., Inc.; Elmira Heights, NY                | 1557            | U                              |
| Taylor Products, Inc.; Payne, OH                         | 1589            | U                              |
| Temp-Tech Industries, Inc; Chicago, IL                   | 986             | U                              |
| Tempered Glass Corp; Tampa, FL                           | 337             | U                              |
| Tempered Glass, Inc; Austell, GA                         | 863             | U                              |
| Tempglass, Inc; Perrysburg, OH                           | 1420            | U                              |
| Tempglass Eastern, Inc; Buford, GA                       | 982             | U                              |
| Tempglass Miami; Miami, FL                               | 1745            | U                              |
| Tempglass Southern, Inc; Grand Prairie, TX               | 1044            | U                              |
| Thermaglas Inc; Saginaw, MI                              | 1739            | U                              |
| TRACO (Three Rivers Alum.); Warrendale, PA               | 1311            | U                              |

|  | <u>SGCC NO.</u> | <u>MAX. SIZE<br/>CERTIFIED</u> |
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| <b>TEMPERED TRANSPARENT GLASS - continued</b>            |                 |                                |
| <b>1/4 inch tempered transparent glass - continued</b>   |                 |                                |
| U S Precision Glass; Elgin, IL                           | 1372            | U                              |
| U S Precision Glass; Jefferson, TX                       | 1287            | U                              |
| U S Precision Glass; Lewisburg, OH                       | 186             | U                              |
| Viracon, Inc; Owatonna, MN                               | 1404            | U                              |
| Viracon West; Vacaville, CA                              | 1572            | U                              |
| Virginia Glass Products; Martinsville, VA                | 14              | U                              |
| <b>5/16 inch tempered transparent glass</b>              |                 |                                |
| Free State Glass Industries; Warrenton, VA               | 1684            | U                              |
| Hankuk Glass Ind; Seoul, Korea                           | 1481            | ANSI ONLY<br>U                 |
| Spectrum Glass Prods; Clinton, NC                        | 1075            | ANSI ONLY<br>U                 |
| Spectrum Glass Prods; Clinton, NC                        | 1082            | CPSC ONLY<br>U                 |
| <b>3/8 inch tempered transparent glass</b>               |                 |                                |
| ACI Glass; Greensboro, NC                                | 1644            | U                              |
| ACI Glass Products Inc; Dallas, TX                       | 1107            | ANSI ONLY<br>U                 |
| ACI Glass Products; Santa Clara, CA                      | 1497            | U                              |
| AFG Industries; Greenland, TN                            | 90              | U                              |
| All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA | 1757            | U                              |
| American Flat Glass Dist; Alvarado, TX                   | 1711            | U                              |
| American Flat Glass Distrib; Fall River, MA              | 1521            | U                              |
| American Flat Glass Distrib; Marietta, GA                | 1232            | U                              |
| Arch Aluminum & Glass Co; Austell, GA                    | 1768            | ANSI ONLY<br>U                 |
| Arch Tempered Glass; Orlando, FL                         | 1529            | ANSI ONLY<br>U                 |
| Asahi Glass Co LTD; Tokyo, Japan                         | 1770            | U                              |
| Colonial Mirror & Glass; Brooklyn, NY                    | 1166            | U                              |
| D & S Tempered Glass; Dallas, TX                         | 1657            | U                              |
| Downey Glass Co; Los Angeles, CA                         | 515             | U                              |
| Empire Glass, Inc; Bronx, NY                             | 1400            | U                              |
| Falconer Glass Industries; Falconer, NY                  | 1280            | U                              |
| Floral Glass & Mirror; Hauppauge, NY                     | 1549            | U                              |
| Free State Glass Industries; Warrenton, VA               | 1593            | U                              |
| Glasstemp, Inc.; Bensenville, IL                         | 1383            | U                              |
| Guardian Fabrication; Webster, MA                        | 471             | ANSI ONLY<br>U                 |
| Guardian Industries; Corsicana, TX                       | 1253            | ANSI ONLY<br>U                 |
| Guardian Industries; Fort Lauderdale, FL                 | 41              | ANSI ONLY<br>U                 |
| Guardian Industries; Richburg, SC                        | 1634            | ANSI ONLY<br>U                 |
| Hankuk Glass Ind; Seoul, Korea                           | 1482            | ANSI ONLY<br>U                 |
| Hehr Glass Co; Chesaning, MI                             | 1742            | U                              |
| Shaw Glass Co Inc; South Easton, MA                      | 1036            | U                              |
| Spectrum Glass Prods; Clinton, NC                        | 1076            | ANSI ONLY<br>U                 |
| Spectrum Glass Prods; Clinton, NC                        | 1083            | CPSC ONLY<br>U                 |
| SPI Glass Corp; Claremore, OK                            | 1374            | U                              |
| Sunbelt Glass, Inc; Tulsa, OK                            | 1456            | U                              |
| Swift Glass Co., Inc.; Elmira Heights, NY                | 1558            | U                              |
| Taylor Products, Inc.; Payne, OH                         | 1598            | U                              |
| Tempered Glass Corp; Tampa, FL                           | 348             | U                              |
| Tempered Glass, Inc; Austell, GA                         | 865             | U                              |
| Tempglass, Inc; Perrysburg, OH                           | 594             | U                              |
| Tempglass Eastern, Inc; Buford, GA                       | 1058            | U                              |
| Tempglass Miami; Miami, FL                               | 1746            | U                              |
| Tempglass Southern, Inc; Grand Prairie, TX               | 1045            | U                              |
| Thermaglas Inc; Saginaw, MI                              | 1740            | U                              |
| Viracon, Inc; Owatonna, MN                               | 1508            | U                              |
| Viracon West; Vacaville, CA                              | 1752            | U                              |
| Virginia Glass Products; Martinsville, VA                | 93              | U                              |
| <b>1/2 inch tempered transparent glass</b>               |                 |                                |
| ACI Glass; Greensboro, NC                                | 1645            | U                              |
| ACI Glass Products Inc; Dallas, TX                       | 1108            | ANSI ONLY<br>U                 |
| ACI Glass Products; Santa Clara, CA                      | 1498            | U                              |

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| <b>TEMPERED TRANSPARENT GLASS - continued</b>            |                 |           |                                |
| <b>1/2 inch tempered transparent glass - continued</b>   |                 |           |                                |
| ACI Glass; Santa Fe Springs, CA                          | 640             |           | U                              |
| All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA | 1758            |           | U                              |
| American Flat Glass Dist; Alvarado, TX                   | 1712            |           | U                              |
| American Flat Glass Distrib; Fall River, MA              | 1522            |           | U                              |
| American Flat Glass Distrib; Marietta, GA                | 1406            |           | U                              |
| Arch Aluminum & Glass Co; Austell, GA                    | 1769            | ANSI ONLY | U                              |
| Arch Tempered Glass; Orlando, FL                         | 1530            | ANSI ONLY | U                              |
| Colonial Mirror & Glass; Brooklyn, NY                    | 1167            |           | U                              |
| D & S Tempered Glass; Dallas, TX                         | 1658            |           | U                              |
| Downey Glass Co; Los Angeles, CA                         | 516             |           | U                              |
| Empire Glass, Inc; Bronx, NY                             | 1401            |           | U                              |
| Falconer Glass Industries; Falconer, NY                  | 711             |           | U                              |
| Floral Glass & Mirror; Hauppauge, NY                     | 1550            |           | U                              |
| Free State Glass Industries; Warrenton, VA               | 1594            |           | U                              |
| The Glass Factory; Ronkonkoma, NY                        | 1461            |           | U                              |
| Glasstemp, Inc.; Bensenville, IL                         | 1384            |           | U                              |
| Guardian Fabrication; Webster, MA                        | 1235            | ANSI ONLY | U                              |
| Hankuk Glass Ind; Seoul, Korea                           | 1483            | ANSI ONLY | U                              |
| Shaw Glass Co Inc; South Easton, MA                      | 1037            |           | U                              |
| Spectrum Glass Prods; Clinton, NC                        | 1077            | ANSI ONLY | U                              |
| Spectrum Glass Prods; Clinton, NC                        | 1084            | CPSC ONLY | U                              |
| Sunbelt Glass, Inc; Tulsa, OK                            | 1457            |           | U                              |
| Swift Glass Co., Inc.; Elmira Heights, NY                | 1559            |           | U                              |
| Tempered Glass Corp; Tampa, FL                           | 338             |           | U                              |
| Tempered Glass, Inc; Austell, GA                         | 866             |           | U                              |
| Tempglass, Inc; Perrysburg, OH                           | 595             |           | U                              |
| Tempglass Eastern, Inc; Buford, GA                       | 1059            |           | U                              |
| Tempglass Miami; Miami, FL                               | 1747            |           | U                              |
| Tempglass Southern, Inc; Grand Prairie, TX               | 1046            |           | U                              |
| Thermaglas Inc; Saginaw, MI                              | 1741            |           | U                              |
| Viracon, Inc; Owatonna, MN                               | 1509            |           | U                              |
| Viracon West; Vacaville, CA                              | 1753            |           | U                              |
| Virginia Glass Products; Martinsville, VA                | 94              |           | U                              |
| <b>5/8 inch tempered transparent glass</b>               |                 |           |                                |
| Spectrum Glass Prods; Clinton, NC                        | 1716            | ANSI ONLY | U                              |
| Spectrum Glass Prods; Clinton, NC                        | 1717            | CPSC ONLY | U                              |
| <b>3/4 inch tempered transparent glass</b>               |                 |           |                                |
| ACI Glass Products Inc; Dallas, TX                       | 1225            | ANSI ONLY | U                              |
| All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA | 1782            |           | U                              |
| Empire Glass, Inc; Bronx, NY                             | 1402            |           | U                              |
| Falconer Glass Industries; Falconer, NY                  | 712             |           | U                              |
| Floral Glass & Mirror; Hauppauge, NY                     | 1551            |           | U                              |
| Spectrum Glass Prods; Clinton, NC                        | 1718            | ANSI ONLY | U                              |
| Spectrum Glass Prods; Clinton, NC                        | 1719            | CPSC ONLY | U                              |
| Virginia Glass Products; Martinsville, VA                | 95              |           | U                              |
| <b>TEMPERED PATTERNED GLASS</b>                          |                 |           |                                |
| <b>1/8 inch tempered patterned glass (shallow)</b>       |                 |           |                                |
| Arch Tempered Glass; Orlando, FL                         | 1531            | ANSI ONLY | U                              |
| Contour Industries; Surgoinsville, TN                    | 1676            |           | 18" by 36"                     |
| Coraglass Inc; Reform, AL                                | 1734            |           | U                              |
| D & S Tempered Glass; Dallas, TX                         | 1659            |           | U                              |
| Hehr Glass Co; Chesaning, MI                             | 1514            |           | 32" by 60"                     |
| Marvin Windows; Warroad, MN                              | 1724            |           | U                              |
| Sterling Plumbing Group; Malvern, AR                     | 1781            |           | U                              |
| ACI Glass; Santa Fe Springs, CA                          | 1226            |           | U                              |
| AFG Industries; Greenland, TN                            | 587             |           | U                              |
| Floral Glass & Mirror; Hauppauge, NY                     | 1552            |           | U                              |

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| <b>TEMPERED PATTERNED GLASS - continued</b>                    |                 |           |                                |
| <b>1/8 inch tempered patterned glass (shallow) - continued</b> |                 |           |                                |
| Gemtron Corp; Sweetwater, TN                                   | 1422            |           | U                              |
| Guardian Fabrication; Rogers, AR                               | 1358            |           | U                              |
| Guardian Industries; Corsicana, TX                             | 1463            | ANSI ONLY | U                              |
| Guardian Industries; Fort Lauderdale, FL                       | 1665            | ANSI ONLY | 30" by 70"                     |
| Guardian Industries; Richburg, SC                              | 1683            | ANSI ONLY | U                              |
| <b>1/8 inch tempered patterned glass (medium)</b>              |                 |           |                                |
| AFG Industries; Kingsport, TN                                  | 1414            |           | U                              |
| Downey Glass Co; Los Angeles, CA                               | 1611            |           | U                              |
| U S Precision Glass; Jefferson, TX                             | 1388            | ANSI ONLY | U                              |
| U S Precision Glass; Lewisburg, OH                             | 654             | ANSI ONLY | U                              |
| <b>5/32 inch tempered patterned glass (shallow)</b>            |                 |           |                                |
| American Flat Glass Dist; Alvarado, TX                         | 1713            |           | U                              |
| American Flat Glass Distrib; Fall River, MA                    | 1524            |           | U                              |
| American Flat Glass Distrib; Marietta, GA                      | 1428            |           | U                              |
| Arch Tempered Glass; Orlando, FL                               | 1682            | ANSI ONLY | U                              |
| Coraglass Inc; Reform, AL                                      | 1735            |           | U                              |
| D & S Tempered Glass; Dallas, TX                               | 1660            |           | U                              |
| Gemtron Corp; Sweetwater, TN                                   | 1424            |           | U                              |
| Guardian Fabrication; Rogers, AR                               | 1359            |           | U                              |
| Guardian Industries; Corsicana, TX                             | 1737            | ANSI ONLY | U                              |
| Guardian Industries; Richburg, SC                              | 1635            | ANSI ONLY | U                              |
| Hamilton Glass Products; Vincennes, IN                         | 1386            |           | U                              |
| Hehr Glass Co; Chesaning, MI                                   | 1602            | ANSI ONLY | U                              |
| Sunbelt Glass, Inc; Tulsa, OK                                  | 1617            |           | U                              |
| <b>3/16 inch tempered patterned glass (shallow)</b>            |                 |           |                                |
| AFG Industries; Greenland, TN                                  | 1139            |           | U                              |
| AFG Industries; Kingsport, TN                                  | 1143            |           | U                              |
| American Flat Glass Distrib; Fall River, MA                    | 1523            |           | U                              |
| American Flat Glass Distrib; Marietta, GA                      | 1415            |           | U                              |
| Arch Tempered Glass; Orlando, FL                               | 1562            | ANSI ONLY | U                              |
| D & S Tempered Glass; Dallas, TX                               | 1661            |           | U                              |
| Downey Glass Co; Los Angeles, CA                               | 935             |           | U                              |
| Glass Tempering Service; Detroit, MI                           | 1340            |           | 34" by 72"                     |
| Guardian Industries; Fort Lauderdale, FL                       | 1318            | ANSI ONLY | U                              |
| Guardian Industries; Kingsburg, CA                             | 1304            | ANSI ONLY | U                              |
| Hamilton Glass Products; Vincennes, IN                         | 1387            |           | U                              |
| Shaw Glass Co Inc; South Easton, MA                            | 1299            |           | U                              |
| Sunbelt Glass, Inc; Tulsa, OK                                  | 1618            |           | U                              |
| Tempered Glass Corp; Tampa, FL                                 | 1329            |           | U                              |
| U S Precision Glass; Lewisburg, OH                             | 188             | ANSI ONLY | U                              |
| Virginia Glass Products; Martinsville, VA                      | 1275            |           | U                              |
| <b>3/16 inch tempered patterned glass (deep)</b>               |                 |           |                                |
| Guardian Fabrication; Rogers, AR                               | 1394            |           | U                              |
| U S Precision Glass; Lewisburg, OH                             | 328             | ANSI ONLY | U                              |
| <b>3/16 inch tempered patterned glass (shallow)</b>            |                 |           |                                |
| ACI Glass Products Inc; Dallas, TX                             | 1728            | ANSI ONLY | U                              |
| American Flat Glass Dist; Alvarado, TX                         | 1714            |           | U                              |
| Marvin Windows; Warroad, MN                                    | 1701            |           | U                              |
| <b>7/32 inch tempered patterned glass (shallow)</b>            |                 |           |                                |
| ACI Glass Products; Santa Clara, CA                            | 1495            |           | U                              |
| Downey Glass Co; Los Angeles, CA                               | 678             |           | U                              |
| Floral Glass & Mirror; Hauppauge, NY                           | 1553            |           | U                              |

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|---|-----------------|-----------|--------------------------------|
| <b>TEMPERED PATTERNED GLASS - continued</b>                     |                 |           |                                |
| <b>7/32 inch tempered patterned glass (shallow) - continued</b> |                 |           |                                |
| Guardian Industries; Corsicana, TX                              | 1464            | ANSI ONLY | U                              |
| Hehr Glass Co; Chesaning, MI                                    | 1730            | ANSI ONLY | U                              |
| Tempered Glass Corp; Tampa, FL                                  | 1118            |           | U                              |
| U S Precision Glass; Lewisburg, OH                              | 562             | ANSI ONLY | U                              |
| <b>LAMINATED TRANSPARENT GLASS</b>                              |                 |           |                                |
| <b>3/16 inch laminated transparent glass</b>                    |                 |           |                                |
| Northwestern Industries; Seattle, WA                            | 1640            |           | U                              |
| Pan Lam Industries; Bothell, WA                                 | 1647            |           | U                              |
| Safelite Glass Corp; Wichita, KS                                | 1360            |           | U                              |
| Viracon, Inc; Owatonna, MN                                      | 1637            |           | U                              |
| Viracon West; Vacaville, CA                                     | 1751            |           | U                              |
| <b>7/32 inch laminated transparent glass</b>                    |                 |           |                                |
| Falconer-Lewistown; Lewistown, PA                               | 1282            | ANSI ONLY | U                              |
| Guardian Industries; Upper Sandusky, OH                         | 458             | ANSI ONLY | U                              |
| O & W Glass Ind; Everett, WA                                    | 1707            |           | U                              |
| Safelite Glass Corp; Wichita, KS                                | 1173            | ANSI ONLY | U                              |
| Sumitec, Inc.; Benton Harbor, MI                                | 1441            | ANSI ONLY | U                              |
| <b>1/4 inch laminated transparent glass</b>                     |                 |           |                                |
| American Flat Glass Distrib; Marietta, GA                       | 1706            |           | U                              |
| Builders & Decorators; Ft. Lauderdale, FL                       | 1667            | ANSI ONLY | U                              |
| Falconer-Lewistown; Lewistown, PA                               | 1284            | ANSI ONLY | U                              |
| Globe-Amerada; Selma, AL  | 1668            |           | U                              |
| Guardian Industries; Upper Sandusky, OH                         | 487             | ANSI ONLY | U                              |
| Laminated Glass Corp; Telford, PA                               | 1652            |           | U                              |
| Macdonald Mirror; Brampton, Ontario, CANADA                     | 1651            |           | U                              |
| Tempglass Eastern, Inc; Buford, GA                              | 1771            |           | U                              |
| <b>9/32 inch laminated transparent glass</b>                    |                 |           |                                |
| Viracon, Inc; Owatonna, MN                                      | 1778            |           | U                              |
| <b>5/16 inch laminated transparent glass</b>                    |                 |           |                                |
| Tempglass Southern, Inc; Grand Prairie, TX                      | 1700            |           | U                              |
| Viracon, Inc; Owatonna, MN                                      | 1764            |           | U                              |
| <b>3/8 inch laminated transparent glass</b>                     |                 |           |                                |
| Falconer-Lewistown; Lewistown, PA                               | 1315            | ANSI ONLY | U                              |
| Tempglass Eastern, Inc; Buford, GA                              | 1772            |           | U                              |
| <b>1/2 inch laminated transparent glass</b>                     |                 |           |                                |
| Falconer-Lewistown; Lewistown, PA                               | 1316            | ANSI ONLY | U                              |
| Sumitec, Inc.; Benton Harbor, MI                                | 1699            | ANSI ONLY | U                              |
| Tempglass Eastern, Inc; Buford, GA                              | 1773            |           | U                              |
| Tempglass Southern, Inc; Grand Prairie, TX                      | 1649            |           | U                              |
| <b>LAMINATED PATTERNED GLASS</b>                                |                 |           |                                |
| <b>3/16 inch laminated patterned glass (shallow)</b>            |                 |           |                                |
| Viracon, Inc; Owatonna, MN                                      | 1636            |           | U                              |
| <b>7/32 inch laminated patterned glass (shallow)</b>            |                 |           |                                |
| Safelite Glass Corp; Wichita, KS                                | 1666            |           | U                              |



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| <b>SAFETY PLASTIC SHEET</b>                 |                 |                                |
| <b>.080 inch through 0.125 inch acrylic</b> |                 |                                |
| Flex-O-Glass, Inc; Dixon, IL                | 118             | U                              |
| <b>ORGANIC COATED GLASS</b>                 |                 |                                |
| <b>1/8 inch organic coated glass</b>        |                 |                                |
| Air Seal IG Units Co; Gloucester City, NJ   | 1511            | U                              |
| <b>3/16 inch organic coated glass</b>       |                 |                                |
| Air Seal IG Units Co; Gloucester City, NJ   | 1512            | U                              |
| <b>1/4 inch organic coated glass</b>        |                 |                                |
| Air Seal IG Units Co; Gloucester City, NJ   | 1513            | U                              |
| <b>TEMPERED BENT GLASS</b>                  |                 |                                |
| <b>5/32 inch Tempered Bent Glass</b>        |                 |                                |
| Ardco, Inc; Chicago, IL                     | 1563            | U                              |
| <b>3/16 inch Tempered Bent Glass</b>        |                 |                                |
| Ardco, Inc; Chicago, IL                     | 1564            | U                              |
| <b>1/4 inch Tempered Bent Glass</b>         |                 |                                |
| Ardco, Inc; Chicago, IL                     | 1565            | U                              |
| <b>5/16 inch Tempered Bent Glass</b>        |                 |                                |
| Glasstemp, Inc.; Bensenville, IL            | 1698            | U                              |
| <b>3/8 inch Tempered Bent Glass</b>         |                 |                                |
| Glasstemp, Inc.; Bensenville, IL            | 1536            | U                              |
| <b>1/2 inch Tempered Bent Glass</b>         |                 |                                |
| Glasstemp, Inc.; Bensenville, IL            | 1533            | U                              |

**ACI GLASS**

2710 Patterson St  
Greensboro NC 27407

**AFG INDS INC**

PO Box 929  
Kingsport TN 37662

▲  
▲  
▲  
TEMPERED  
16 CFR 1201-C II  
ANSI Z97.1 1984  
1/8U SGCC-1390  
AFG 006  
BS 5206A

**ACI GLASS PRODUCTS INC**

12900 Nicholson Rd  
PO Box 815547  
Dallas TX 75381-5547



**TEMPERED SAFETY GLASS**

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

**AFG GLASS INC**

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' DGT 163 MO6  
CAN 2 12.1 8G.

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750 Walsh Ave  
Santa Clara CA 95050



TEMPERED SAFETY GLASS  
16 CFR 1201 CAT. II  
ANSI Z97.1-1984  
SGCC 1494 3/16 U

**AIR SEAL INSULATING GLASS UNITS CO**

522 Powell St  
Gloucester City NJ 08030

AIR SEAL  
16 CFR 1201-I  
ANSI Z97.1-1984  
SGCC 1512 3/16U

**ACI GLASS PRODUCTS INC**

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**AMERICAN FLAT GLASS DIST**  
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**ARDCO INC**  
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Chicago IL 60658

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SGCC 1232 3/8" U

**Ardco TemperBent**

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

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San Fernando CA 91342

**ASAHI GLASS CO LTD**  
c/o Global Link Inc  
3401 Pacific Ave  
Marina Del Rey CA 90292



**ARCH ALUMINUM & GLASS CO**  
1470 Dale Court  
Austell GA 30001

**BUILDERS & DECORATORS GLASS CO**  
810 N W 57th St  
Ft. Lauderdale, FL 33309

**BUILDERS & DECORATORS  
GLASS INC...**  
SGCC-1667-1/4UANSI-Z97.1-1984  
LAMINATED SAFETY GLASS

**ARCH TEMPERED GLASS PRODUCTS**  
3320 Maggie Blvd  
Orlando FL 32811

**CAMERON GLASS INC**  
PO Box 471500  
Tulsa OK 74147-1500

**CAMERON GLASS  
SAFETY TEMPERED  
ANSI Z97.1-1984  
16 CFR 1201 CII  
SGCC-1736 1/8U**

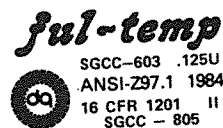
**COLONIAL MIRROR & GLASS CORP**  
142 19th St  
Brooklyn NY 11232

**DONNELLY CORP**  
414 E 40th St  
Holland MI 49423-5368

**colonial mirror & glass corp.**  
Glas Steel Tempered Safety Glass  
ANSI Z97.1-1984  
16 CFR 1201-II SGCC-1167 1/2U

**CONTOUR INDUSTRIES INC**  
Phipps Bend Rd  
PO Box 69  
Surgoinsville TN 37873

**DOWNEY GLASS CO**  
5631 Ferguson Dr  
Los Angeles CA 90022



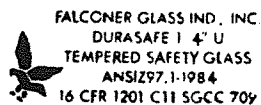
**CORAGLASS INC**  
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PO Drawer 789  
Reform AL 35481

**EMPIRE GLASS INC**  
608 E 133rd St  
Bronx NY 10454

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**16 CFR 1201 II**  
**SGCC - 1401 ½ - U**

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**ANSI Z97.1-1984**  
**SGCC #1284 1/4U**  
**1-85**

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Hauppauge NY 11788

**TemPLUS**  
**FLORAL GLASS & MIRROR**  
**TEMPERED SAFETY GLASS**  
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**16 CFR 1201-I-II**  
**SGCC-1553 7/32 u**

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PO Box 302  
Warrenton VA 22186

**FREE STATE GLASS**  
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**ANSI Z97.1-1984 16 CFR 1201-I & II**  
**SGCC 1592 1/4" U**

**GEMTRON CORP**  
New Highway 68  
PO Box 416  
Sweetwater TN 37874

**TEMPERED**  
**16 CFR 1201 CII**  
**ANSI Z97.1-1984**  
**3/16 U • SGCC • 1201/1202**  
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**16 CFR 1201-II**  
**SGCC-1461-1/2U**

**GLASS TEMPERING SERVICE INC**  
14285 Wyoming St  
Detroit MI 48238

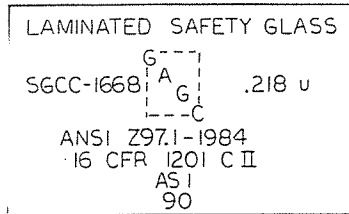
**GTs**  
**SAFETY TEMPERED**  
**ANSI Z97.1-1984**  
**16 CFR 1201 II**  
**SGCC-1238 1/4 L**

**GLASSTEMP INC**  
1001 Foster Ave  
Bensenville IL 60106

**GLASSTEMP**  
**ANSI Z97.1-1984**  
**16 CFR 1201 C II**  
**SGCC-1382**  
**1/4"-U 69**

**GLOBE-AMERADA GLASS CO (ASSURANCE)**

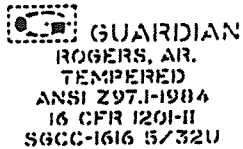
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Elk Grove Village IL 60007

**HANKUK GLASS INDUSTRY LTD**

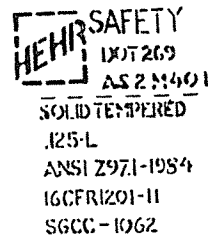
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Young Deung Po-Ku  
Seoul KOREA 150

**GUARDIAN FABRICATION INC**

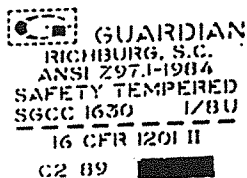
43043 W Nine Mile Rd  
Northville MI 48167

**HEHR GLASS CO**

200 S First St  
PO Box 28  
Chesaning MI 48616

**GUARDIAN INDUSTRIES CORP**

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16 CFR 1201 II  
SGCC-1379 1/8 U

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SGCC 1595 1/8

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**LGC**

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**SGCC 1652 1/8" U**  
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Nashville TN 37210

**NTGC** 

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SGCC 1416 1/8" U  
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DOT 359 AS 2

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CANADA

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Seattle WA 98199

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SAFETY GLASS**

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16 CFR 1201 - II  
SGCC - 1638 3/16 U  
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CGSB - 12 - GP - 1

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PO Box 100 Hwy 11 W  
Warroad MN 56763

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Everett WA 98201

**PAN LAM INDS**

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Bothell WA 98012

**SAINT GOBAIN**

c/o Architectural Concepts Inc  
685 S Front St  
Columbus OH 43206

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**SOLAR TEMP.**

16 CFR 1201 11

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16 CFR 1201-1, 11 SGCC-1081

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Claremore OK 74018

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Elmira Heights NY 14903

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Malvern AR 72104

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PO Box 188  
Benton Harbor MI 49022

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Chicago IL 60638

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**SGCC 1441**  
**7/32 U**  
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Tulsa OK 74145

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Tampa FL 33619

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**16 CFR 1201 CII**  
**SGCC-1453 1/8 U**

**TEMCO**  
**SGCC-337 .250 U**  
**16 CFR 1201-II**  
**ANSI Z97.1 1984**

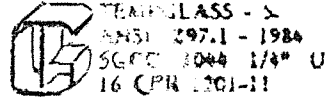
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7160 Delta Circle  
Austell GA 30001

- Tuf-flex Glass FT 1/4" U I •
- TEMPERED SAFETY GLASS •
- ANSI Z97.1-1984 16 CFR 1201-1&11
- SGCC-321 SGCC-863 •

**TEMPGLASS SOUTHERN INC**

1101 Fountain Pkwy  
Grand Prairie TX 75050



**TEMPGLASS INC**

Ampoint  
291 M St  
Perrysburg OH 43551

**THERMAGLAS CORP**

1930 S 23rd St  
PO Box 1426  
Saginaw MI 48605

**TEMPGLASS, INC.**

16 CFR 1201 CN  
ANSI Z97.1 - 1984  
SGCC 1420  
1/4 - U (1)

**TEMPGLASS EASTERN INC**

600 Heraeus Blvd  
Buford GA 30518

TEMPGLASS  
EASTERN  
ANSI Z97.1-1984  
16CFR 1201-II  
SGCC-979 1/8" U  
85

**TRACO (THREE RIVERS ALUM)**

Cranberry Industrial Pk  
PO Box 805  
Warrendale PA 15095



**TIRACO VIEW-SAFE**  
TEMPERED GLASS  
ANSI Z97.1-1984  
16 CFR 1201 II  
SGCC-1313 1/2U

**TEMPGLASS MIAMI**

17851 N W Miami Court  
Miami FL 33169

**U S PRECISION GLASS**

1900 Holmes Rd  
Elgin IL 60123

**VIRACON INC**

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Owatonna MN 55060

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16 CFR 1201.11  
SGCC 1404 1/4" U  
ANSI Z97.1 1984  
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Martinsville VA 24115



"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:

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1430 Broadway  
New York, NY 10018

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Materials - at Title 16, Part 1201 of the Code of Federal Regulations:  
16 CFR 1201"

Copies of 16 CFR 1201 may be obtained from:

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Bethesda, MD 20016





# safety glazing certification council

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Telephone: 717-846-7700

Bowser-Morner Inc  
4518 Taylorsville Rd  
PO Box 51  
Dayton OH 45424  
Attention: Mr Robert J Rosencrans  
Telephone: 513-236-8805

Construction Consulting Laboratory Inc  
Western Division  
4751 W State St Ste E  
Ontario CA 91762  
Attention: Mr Ray Charland  
Telephone: 714-591-1789

ETL Testing Laboratories Inc  
5855-P Oakbrook Pkwy  
Norcross GA 30093  
Attention: Mr William Penue1  
Telephone: 404-446-7294

ETL Testing Laboratories Inc  
Ind Pk 3933 US Route 11  
Cortland NY 13045-0950  
Attention: Mr Kenneston R Bleck  
Telephone: 607-753-6711

Miami Testing Laboratory Inc  
1640 W 32nd Pl  
Hialeah FL 33012  
Attention: Mr James W Bailey  
Telephone: 305-822-1141

Pacific Inspection & Research Laboratory  
4076-148th Ave N E  
Redmond WA 98052  
Attention: Mr Randy Van Voorst  
Telephone: 206-881-7668

Patzig Testing Laboratories Co Inc  
3922 Delaware Ave  
Des Moines IA 50313  
Attention: Mr Harry Allender P E  
Telephone: 515-266-5101

Southwestern Laboratories Inc  
2200 Gravel Dr; PO Box 1379  
Fort Worth TX 76101-1379  
Attention: Mr Roland S Jary P E  
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