

safety glazing certification council

JANUARY 1, 1994

certified products directory
safety glazing material used in buildings

TABLE OF CONTENTS	PAGE
Minutes of Meeting of the Certification Committee	4
Roster	4
Program Concept	8
Procedural Guide	9
Certification Guidelines and Interpretations.	13
SGCC Label Requirements	22
CPS Act Labeling Requirements	23
Classified Tempered Glass Patterns.	24
Certified Products (Numerical Sequence)	25
Certified Products (Alphabetically By Plant).	28
Certified Products (By Product Type).	34
Licensees and Their Typical Labels.	44
ANSI Z97.1-1984	52
CPSC 16 CFR 1201.	52
SGCC Directory Order Blank.	54
SGCC Approved Laboratories.	Back Cover

MEETINGS OF THE CERTIFICATION COMMITTEE

The Certification Committee of the Safety Glazing Certification Council last met on October 21-22, 1993. 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, 1994; 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. 3933 US Route 11 PO Box 2040 Cortland, NY 13045-0950 Telephone 607-753-6711 Telefax 607-756-9891
Administrative Manager:	John G. Kent
Administrative Staff:	Heather L. Almeida Cynthia L. Bush

ROSTER**SGCC BOARD OF DIRECTORS****REPRESENTING PUBLIC INTEREST**

Mr. Mario J. Cellarosi
National Institute of Standards Technology
Room A251; Material Building
Washington, D.C. 20234
Telephone: 301-975-6123

Dr. George L. Graf, Jr.
2642 Longwood Dr.
Wilmington DE 19810
Telephone: 302-475-3723

Mrs. Jean Cornwell
225 Swan Lake Road
Stockbridge, GA 30281
Telephone: 404-633-1451

Dr. Richard A. Behr, P.E.
Department of Civil Engineering
University of Missouri-Rolla
Martin E. Straumanis Hall
Rolla, MO 65401-0249
Telephone: 314-341-4763

Mr. William J. Nugent
Wiss, Janney, Elstner Associates, Inc
330 Pfingsten Rd
Northbrook, IL 60062-2095
Telephone: 708-272-7400

REPRESENTING INDUSTRY

Mr. Al Hunsicker
Warp Bros - Flex-O-Glass Inc
1100 N. Cicero Ave.
Chicago, IL 60651
Telephone: 312-261-5200
Telefax: 312-261-5204

Mr. Robert A. Moss
Hamilton Glass Products, Inc
2000 Chestnut St
PO Box 317
Vincennes, IN 47591
Telephone: 812-882-2680
Telefax: 812-882-7679

Mr. Shigeo Minami
Sumitec Inc
470 N Paw Paw Ave
PO Box 188
Berton Harbor, MI 49022
Telephone: 616-927-3591
Telefax: 616-927-8316

Mr. Robert L. Brown
Virginia Glass Products Corp
PO Box 5431
Martinsville, VA 24115
Telephone: 703-956-3131
Telefax: 703-956-3020

Mr. Charles Sutermeister
PPG Inds, Inc.
PO Box 11390
Harmarville, PA 15238
Telephone: 412-826-2276
Telefax: 412-826-2260

SGCC OFFICERS

President
First Vice President
Second Vice President
Secretary
Treasurer

Mario J. Cellarosi
Mario J. Cellarosi
Robert A. Moss
William J. Nugent
George L. Graf, Jr.

LEGAL COUNSEL

William M. Hannay, Esq.
Schiff Hardin & Waite
7200 Sears Tower
Chicago, IL 60606
Telephone: 312-258-5617

FINANCIAL AUDITORS

Kane, Bowles, Moore & Wicks
209 Second Street
Liverpool, NY 13088
Telephone: 315-451-6167

SGCC CERTIFICATION COMMITTEE

Robert A. Moss - 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.	Mark Cody	Billie G. Nichols	
All Team Glass & Mirror Ltd			
American Flat Glass Distributors	Mark Cody		
Anglass Industries, Inc.			
Arch Aluminum & Glass Co Inc			
Arch Tempered Glass Products	Danny M. Haney		
Ardco, Inc.	Andrew G. Menke		
Cameron Glass, Inc.	Jim Cameron	John Alajaji	
Canadian Insul-Glass Corp			
Cardinal IG			
Cardinal TG			
Colonial Mirror & Glass Corp			
Commercial Insulating Glass Co	Jeff Winsler		
Contour Inds Inc.			
D & S Tempered Glass			
Coraglass Inc	Patrick Conner		
Donnelly Corp.	Chris Steininger Sr.	Gary Weaver	Ed Kane
Downey Glass Company	Luis O. Soto	Tom Jaskowiak	Robert Mastrapa
EFCO Corp			
Flex-O-Glass, Inc.	Harold G. Warp	Alfred R. Hunsicker	
Floral Glass & Mirror, Inc.	Charles Kaplanek		
Four Seasons Solar Products			
Free State Glass Industries	Canrad Miller	Ken Peace	
Gemtron Corp.	Robert A. Moss	Jack Francis	Bill Long
Glass Factory, Inc., The			
Glasstemp, Inc.	Steve Lacey	William Pupp	
Globe-Amerada Glass Co (Assurance)	Cheri Kellman	Walt Myers	
Guardian Fabrication, Inc.	John Jablonski	Henry A. Gorry	Mike Turnbull
Guardian Industries Corp.	John Jablonski	Henry A. Gorry	Mike Turnbull
Hamilton Glass Products, Inc.	Robert A. Moss	William D. Hodgdon	J. Bruce Crockett
Hankuk Glass Industries Inc	Seong Man Kim	Kwang Deuk Lee	In Sang Cheong
Hoffer's, Inc.	James Sorge	Kevin Schulz	Ken Lancaster
Interpane Spectrum Inc	John Neunlist	James Brewington	Tony Lee
Kuhl Glass Corp.	Scott D. Kuhl	John Sorgen	Cliff Deming

* Changed in membership since last meeting.

SGCC CERTIFICATION COMMITTEE

Licensee	Primary Member	First Alternate	Second Alternate
Laminated Glass Corp.	Mike Lerner		
Libbey-Owens-Ford Co	Kevin Kuball	Tom O'Brock	Rick Frampton
Lyn Hovey Studio	Lyn C Hovey		
Macdonald Mirror Inc.			
Marvin Windows	James Krahn	Doug Steinbring	
Milgard Tempering Inc.			
Mirror Factory Inc.	Tom Carlson		
Nashville Tempered Glass Corp.			
Northwest Aluminum Products, Inc.	Stan Shaw	Steve Jones	
Northwestern Industries, Inc.	Steve Nelson	Tim McQuade	James Levingston
Pan Lam Industries			
Perilstein Distributing Corp			
PPG Building Glass (PTY) Ltd			
PPG Industries, Inc.	Richard T. McGuire	Charles R. Sutermeister	Bradley P. Boone
Shaw Glass Company, Inc.	Frederic P. Shaw	Dennis Johnson	Walter Gilpatrick
Sovis S A			
Sterling Plumbing Group			
Sumitec, Inc.	Shigeo Minami	Gaston G. Leoni	
Sunbelt Glass Inc.	Mike Kelley		
Swift Glass Company, Inc.	Daniel J. Burke	Anthony Speciale	Wayne Brown
Taylor Products, Inc.			
Temp-Tech Industries, Inc.	Frank Lakis, Jr.	Roger Mentzer	
Tempered Glass, Inc.	Douglas A. Sampsel	Joel Wrenn	
Temperit AG			
Tempglass, Inc.	William Coddington	John Colapietro	
Tempglass Miami	William Coddington	John Colapietro	
Tempglass Southern, Inc.	William Coddington	John Colapietro	
Tempglass Western, Inc.			
TRACO (Three Rivers Aluminum)	Robert P. Randall	John Kalakos	
U S Precision Glass	Duane Gilbert	Steve Beumer	Bob Snell
Viracon, Inc.	Bill Knutsen	Russ Huffer	Rick Voelker
Virginia Glass Products Corporation	Robert L. Brown	Brooks R. Leavitt	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 Missouri - Rolla	Richard A. Behr
Glasstech, Inc.	Norman Nitschke

Members from those without certified products:

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

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 manufacturer's label; and to withdraw the manufacturer's authority to use that label if certified products do not meet specification(s).

Management and control of SGCC is vested in a board of directors, half representing industry and half representing the public interest. To prevent industry dominance of SGCC actions, the public interest directors are empowered to veto any action of the board regardless of the number of directors present at a meeting.

The certification program uses approved testing laboratories under the supervision of a qualified administrator, retained by and responsible to SGCC, who is unaffiliated with any 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 manufacturers 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, the SGCC certification invoice is paid, and SGCC License Agreements are properly executed.

Once certified by SGCC, a product is assigned an exclusive certification number to identify it and the plant at which it is made. After which, to insure continued adherence to the specification(s), SGCC independently selects, at least twice in each year, samples during unannounced visits to the manufacturing plant or randomly from the market place to be tested to the applicable specification(s). Consequent to a test result showing compliance with the applicable specification(s), SGCC authorizes the continued use of the certification number and the product listing in this directory.

This directory is divided into 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.

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. This fee must be submitted within 6 months of completion of item b). Failure to do so will result in the need to resubmit item b). (Revised 10/22/93)

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

HOW THE CERTIFICATION PROGRAM WORKS

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

SGCC recognized approved testing laboratories conduct all tests. All laboratories, whose test reports are utilized by the Certification Program, shall be approved by the SGCC Certification Committee. Initial or prototype tests are performed at an approved testing laboratory selected by the licensee. Routine evaluation samples are tested by an approved testing laboratory selected, with the concurrence of the administrator, by the licensee.

ADMINISTRATOR AUTHORIZES CERTIFICATION

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

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

PRODUCTS LISTED IN CERTIFIED PRODUCTS DIRECTORY

Approved products are listed in a Certified Products Directory, published every six months, which is sent to door, sash and building products manufacturers, glazing contractors, home builders, architects, regulatory agencies and code-making groups, etc. Directory listings contain the licensee's name, 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%	None
April 1 - June 30	50%	None
July 1 - September 30	100%	None
October 1 - December 31	50%	None

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

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

CERTIFICATION PROGRAM DOCUMENTS AND AGREEMENTS

LICENSE AGREEMENT

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

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

EFFECTIVE DATE, DURATION AND TERMINATION

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

Upon its proper execution and acceptance by SGCC, the preissued certification number bond informs a licensee of the certification number of an item to be certified in the future. If the licensee marks production with the certification number, prior to actual certification, the bond is forfeited to SGCC.

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

ADMINISTRATIVE SERVICE AGREEMENT

This agreement, entered into by SGCC and 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 licensees 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:

Mr. Mario J. Cellarosi
SGCC President
c/o National Institute of Standards Technology
Room A251; Material Bldg
Washington, DC 20234
Telephone: 301-975-6123

Mr. Robert A. Moss, Chairman
SGCC Certification Committee
c/o Hamilton Glass Products, Inc.
PO Box 317
Vincennes, IN 47591
Telephone: 812-882-2680

Mr. John G. Kent
Administrative Manager
ETL Testing Laboratories, Inc.
3933 US Route 11
PO Box 2040
Cortland, NY 13045-0950
Telephone: 607-753-6711

CERTIFICATION GUIDELINES AND INTERPRETATIONS

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

GENERAL

G.1

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

G.2

Tests for initial compliance of safety glazing materials to ANSI Z97.1-1984 and/or 16 CFR 1201 will be accepted from any testing laboratory approved by the SGCC Certification Committee.

G.3 (ANSI ONLY)

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

G.4

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

G.5

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

G.6

- a) All test specimens, except prototype samples, must be marked with the correct SGCC permanent label prior to testing in order to be considered a valid sample. It is the responsibility of the licensee to ensure the specimens being represented to the Administrator's representative are properly 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.
- f) If the retest procedure is required, all routine inspections and sample selections will continue. However, routine testing for the next period will be suspended pending the outcome of the retest procedure. If the product is decertified, the prepaid fee for routine testing for the next period (but not the Administrative and Contingency fees) will be refunded.

G.12

If a licensee who manufactures 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 not appear in the CPD.

G.15
In the situation where a licensee desires to recertify a product that previously had certification removed because of failure to comply with the specifications (label and thickness tolerances excepted), the product shall be routinely sampled four times during the first year. The costs involved shall be paid by the licensee.

G.16
The nominal thickness designations in SGCC authorized permanent labels for safety glazing materials may be shown in metric units. The thickness will be expressed in millimeters, limited to two decimal places, and will have the suffix "mm."

G.17
All safety glazing materials that are not symmetrical from surface to surface shall be impacted two specimens on one side and two specimens on the other side.

G.18
Certified and permanently labeled safety glazing materials such as laminated glass, wired glass, rigid plastic or organic coated glass may be cut into smaller pieces by a distributor or installer after manufacture and it is not practical for each such smaller piece to bear a manufacturer's permanent label when finally installed in a building. When this is the case, then the distributor or installer shall apply a permanent label to each piece, which states his name and certifies that he cut the piece from material that was properly labeled in accordance with the requirements of SGCC.

For the purpose of this guideline, a permanent label is defined as one that will remain permanently legible and would be destroyed in attempts to remove it from the product.

G.19 (Deleted 10/20/89)

G.20
For certification purposes, a panel of glazing material composed of multiple components (such as leaded glass) may be tested and interpreted as a unit.

G.21
A preissued SGCC certification number shall be issued by the administrator upon receipt of a properly executed license agreement and a properly executed bond form in the amount of \$10,000. The preissued SGCC certification number, if not used by the licensee, will be terminated twelve months from the date of issue. The condition of the bond is such that if the licensee does not label any safety glazing material with the preissued certification number prior to formal certification then the bond shall be void.

G.22
In the case of wired glass (ANSI ONLY), plastics and organic coated glass certification of a patterned product may be extended to cover other patterns provided:

- a) The nominal thickness of the proposed alternate and all aspects other than pattern are the same as the certified product.
- b) The administrator of the certification program is provided with a copy of a prototype test from an approved laboratory, showing satisfactory compliance with the impact requirements of ANSI Z97.1-1984 and/or 16 CFR 1201 for each alternate pattern proposed.
- c) The certification committee is provided with a 6 by 6-inch sample of each proposed alternate for its record and file. This must be sent to the administrator of the certification program.

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

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

G.23

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

- a) Prior to or within 2 weeks after the shutdown, the licensee shall inform the SGCC administrator by certified mail.
- b) The SGCC administrator will immediately supply the licensee with test release bond forms for submission by the licensee. A separate bond shall be submitted for each certified product affected.
- c) Within 2 weeks after receipt of the bond forms, the licensee shall submit them to the SGCC administrator.
- d) During the period covered by the bond the licensee shall retain certification, contingent upon payment of normal certification fees and meeting all other licensee obligations. Bonds will terminate 90 days after acceptance by SGCC but may be renewed by the licensee any number of times. Renewal is an obligation of the licensee and requires all steps listed herein.
- e) Within one week after re-activation of the production facility the licensee shall 1) notify the SGCC administrator by certified mail and 2) submit samples from the first weeks production to an SGCC approved laboratory for testing. In cases where more than one certified product is produced with the same equipment, samples of each must be furnished for testing within the first month. These will be considered as the routine samples for retesting for the six months period during which they are submitted.
- f) Failure of the licensee to comply with any of the preceding shall be the basis for removal of certification from the affected products.

G.24

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

G.25 (ANSI ONLY)

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

G.26

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

G.27

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

G.28

The administrator shall construe noncompliance with thickness tolerance as a failure to comply with the specifications. In such cases of noncompliance, Sections a, c, and e of G.11 shall be followed.

G.29

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

G.30

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

G.31

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

G.32 (CPSC ONLY)

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

G.33

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

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

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

TEMPERED TRANSPARENT GLASS

T.1

Certification of either flat glass or patterned glass will not cover the other except as noted in Guideline T.2. (Flat glass designates ground and polished plate, float and sheet glass.) When testing to the impact test criteria in 16 CFR 1201.4(a)(1), four specimens shall be tested or as noted in guideline G.27. (Revised 10/22/93)

T.2

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

T.3

Certification of regular tempered glass will also cover tinted, heat absorbing, and coated glasses of the same nominal thickness where the coating does not alter substantially the post-breakage behavior of the glass substrate. A "substantial alteration" is one that would render the coated tempered glass in non-conformance with the applicable safety glazing standards. Glasses of the same nominal thickness with a ceramic or other material applied as a continuous or partial coating to one or more surfaces are also covered. (Modified 04/02/92)

T.4

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

T.5

Certification of any nominal thickness of tempered safety plate, float or sheet glass will also cover the other two types. ANSI Z97.1-1984 and 16 CFR 1201 do not require the permanent label on tempered safety glass to specify which type of glass is used. Nor is it required that the test specimens be identified in this regard.

T.6

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

TEMPERED PATTERNED GLASS**TP.1**

For the purposes of certification, the nominal thickness of patterned, figured, or rough rolled glass are the common fractions found in ASTM C1036. The permanent label must contain this fraction or a metric or decimal dimension within the tolerance of this thickness as published in ASTM C1036. When testing to the impact test criteria in 16 CFR 1201.4(a)(1), four specimens shall be tested or as noted in guideline G.27. (Revised 10/22/93)

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

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

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

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

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

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

TP.2

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

TP.3

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

TP.4

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

TP.5

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

TP.6

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

LAMINATED GLASS**L.1**

Certification of regular laminated glass will also cover tinted, heat absorbing and coated glasses, and clear or tinted interlayer, both flat and bent of the same nominal thickness. When testing to the impact test criteria in 16 CFR 1201.4(a)(1), four specimens shall be tested or as noted in guideline G.27. (Revised 10/22/93)

L.2

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

L.3

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

L.4

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

L.5

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

L.6

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

L.7

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

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

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

L.8

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

L.9

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

WIRED GLASS (ANSI ONLY)

W.1

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

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

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

PLASTICS - GENERAL

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 Categories C-1 and C-2 cast Acrylic, (including continuously cast sheet): As specified in ASTM-D4802-88, Table 2 and Table 3.

Outdoor use plastic materials Categories M-1 and M-2 extruded Acrylic: As specified in ASTM-D4802-88 Table 2 plus or minus 5%.

Outdoor use plastic materials extruded Polycarbonate: As specified in Military Specification MIL-P-46144, latest issue.

Indoor use plastic materials plus or minus 5% of nominal thickness.

P.4

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

P.5

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

PLASTICS - EXTERIOR USE

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 langleys (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 langleys (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. When testing to the impact test criteria in 16 CFR 1201.4(a)(1), four specimens shall be tested or as noted in guideline G.27. (Revised 10/22/93)

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 - INDOOR USE ONLY" and shall be marked also with the manufacturer's distinctive mark or designation." Quoted from ANSI Z97.1-1984.

"Organic-coated glass materials shall be permanently marked on the organic coating with a label, including the phrase, "GLAZE THIS SIDE IN" to indicate to the installer, inspector or user which side of the organic-coated glass should be exposed to the elements if there is a specific side that should be exposed." Quoted from ANSI Z97.1-1984.

CPSC (ONLY)

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

"Organic-coated glass that has been tested for environmental exposure from one side only must bear a permanent label on the coating stating "GLAZE THIS SIDE IN" and shall bear in the central 50 percent of the surface in letters at least 1/4" inch high: "SEE PERMANENT LABEL FOR IMPORTANT MOUNTING INSTRUCTIONS." The latter message shall be attached to either side of the glazing by any means which shall ensure the message will remain in place until installation." Quoted from 16 CFR 1201.

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	(170) Crepe

1/8 inch medium

(04) Rattan	(05) Cotswold	(06) Patchwork	(07) Burlap	(08) Smooth Rough
(11) Flemish	(31) Skytex	(33) Seashell	(35) Flax	(52) Pattern 73
(56) Syenite	(57) Pattern 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	(171) Crepe		

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

1/4 inch shallow

(169) P-516

<u>SGCC NO.</u>	<u>SGCC NO.</u>	<u>SGCC NO.</u>
12 Virginia Glass Products	866 Tempered Glass, Inc	1281 U S Precision Glass
14 Virginia Glass Products	933 Guardian Industries - ANSI	1282 Guardian Inds Corp-Lewis**wn
24 AFG Industries	934 Guardian Industries - ANSI	1284 Guardian Inds Corp-Lewis**wn
28 AFG Industries	935 Downey Glass Co	1286 U S Precision Glass
40 Guardian Industries - ANSI	949 AFG Industries	1287 U S Precision Glass
54 Hamilton Glass Products	955 AFG Industries	1299 Shaw Glass Co Inc
57 Hamilton Glass Products	968 Guardian Industries - ANSI	1301 Guardian Industries - ANSI
64 PPG Industries	969 Guardian Industries - ANSI	1303 Guardian Industries - ANSI
89 AFG Industries	970 Guardian Industries - ANSI	1304 Guardian Industries - ANSI
90 AFG Industries	971 Guardian Industries - ANSI	1308 TRACO (Three Rivers Alum.)
93 Virginia Glass Products	986 Temp-Tech Industries, Inc	1310 TRACO (Three Rivers Alum.)
94 Virginia Glass Products	999 Anglass Industries - ANSI	1311 TRACO (Three Rivers Alum.)
95 Virginia Glass Products	1000 Anglass Industries - ANSI	1315 Guardian Inds Corp-Lewis**wn
118 Flex-O-Glass, Inc	1035 Shaw Glass Co Inc	1316 Guardian Inds Corp-Lewis**wn
131 Guardian Industries - ANSI	1036 Shaw Glass Co Inc	1318 Guardian Industries - ANSI
185 U S Precision Glass	1037 Shaw Glass Co Inc	1332 Gemtron Corp
186 U S Precision Glass	1039 Tempglass, Inc	1334 Gemtron Corp
188 U S Precision Glass - ANSI	1041 Ardco, Inc	1355 Guardian Fabrication - ANSI
220 AFG Industries	1042 Ardco, Inc	1356 Guardian Fabrication - ANSI
249 PPG Industries	1044 Tempglass Southern, Inc	1357 Guardian Fabrication - ANSI
250 PPG Industries	1045 Tempglass Southern, Inc	1358 Guardian Fabrication - ANSI
295 PPG Industries	1046 Tempglass Southern, Inc	1359 Guardian Fabrication - ANSI
300 Guardian Fabrication - ANSI	1050 U S Precision Glass	1369 U S Precision Glass
328 U S Precision Glass - ANSI	1073 Interpane Spectrum Inc	1370 U S Precision Glass
382 PPG Industries - ANSI	1074 Interpane Spectrum Inc	1371 U S Precision Glass
400 ACI Glass Products Inc	1075 Interpane Spectrum Inc	1372 U S Precision Glass
402 ACI Glass Products Inc	1076 Interpane Spectrum Inc	1381 Glasstemp, Inc.
458 Guardian Industries - ANSI	1077 Interpane Spectrum Inc	1382 Glasstemp, Inc.
471 Guardian Fabrication - ANSI	1107 ACI Glass Products Inc - ANSI	1383 Glasstemp, Inc.
487 Guardian Industries - ANSI	1108 ACI Glass Products Inc - ANSI	1384 Glasstemp, Inc.
514 Downey Glass Co	1110 PPG Industries	1385 Hamilton Glass Products
515 Downey Glass Co	1111 PPG Industries	1386 Hamilton Glass Products
516 Downey Glass Co	1112 PPG Industries	1387 Hamilton Glass Products
520 Anglass Industries - ANSI	1113 PPG Industries - ANSI	1388 U S Precision Glass - ANSI
562 U S Precision Glass - ANSI	1139 AFG Industries	1390 AFG Industries
587 AFG Industries	1143 AFG Industries	1394 Guardian Fabrication - ANSI
592 Tempglass, Inc	1157 ACI Glass	1403 Viracon, Inc
594 Tempglass, Inc	1161 Guardian Industries - ANSI	1404 Viracon, Inc
595 Tempglass, Inc	1179 ACI Glass	1405 American Flat Glass Distrib
598 AFG Industries	1200 Hamilton Glass Products	1406 American Flat Glass Distrib
630 Downey Glass Co	1201 Gemtron Corp	1413 Hankuk Glass Ind - ANSI
631 Guardian Industries - ANSI	1216 Guardian Fabrication - ANSI	1414 AFG Industries
633 Guardian Industries - ANSI	1219 Tempglass Southern, Inc	1415 American Flat Glass Distrib
640 ACI Glass	1225 ACI Glass Products Inc - ANSI	1416 Nashville Tempered Glass
654 U S Precision Glass - ANSI	1230 American Flat Glass Distrib	1417 Nashville Tempered Glass
662 Guardian Fabrication - ANSI	1231 American Flat Glass Distrib	1420 Tempglass, Inc
675 PPG Industries	1232 American Flat Glass Distrib	1422 Gemtron Corp
676 PPG Industries	1235 Guardian Fabrication - ANSI	1424 Gemtron Corp
678 Downey Glass Co	1248 Guardian Industries - ANSI	1428 American Flat Glass Distrib
709 Guardian Inds Corp-James**wn	1249 Guardian Industries - ANSI	1436 AFG Industries
711 Guardian Inds Corp-James**wn	1250 Guardian Industries - ANSI	1441 Sumitec, Inc.
712 Guardian Inds Corp-James**wn	1251 Guardian Industries - ANSI	1452 U S Precision Glass
862 Tempered Glass, Inc	1253 Guardian Industries - ANSI	1453 Sunbelt Glass, Inc
863 Tempered Glass, Inc	1275 Virginia Glass Products	1454 Sunbelt Glass, Inc
865 Tempered Glass, Inc	1280 Guardian Inds Corp-James**wn	1455 Sunbelt Glass, Inc

<u>SGCC NO.</u>	<u>SGCC NO.</u>	<u>SGCC NO.</u>
1456 Sunbelt Glass, Inc	1559 Swift Glass Co., Inc.	1649 Tempglass Southern, Inc
1457 Sunbelt Glass, Inc	1562 Arch Tempered Glass - ANSI	1651 Macdonald Mirror
1458 The Glass Factory	1563 Ardco, Inc	1652 Laminated Glass Corp
1459 The Glass Factory	1564 Ardco, Inc	1653 D & S Tempered Glass
1460 The Glass Factory	1565 Ardco, Inc	1654 D & S Tempered Glass
1461 The Glass Factory	1574 Guardian Fabrication - ANSI	1655 D & S Tempered Glass
1462 Guardian Industries - ANSI	1575 Guardian Fabrication - ANSI	1656 D & S Tempered Glass
1463 Guardian Industries - ANSI	1576 Guardian Fabrication - ANSI	1657 D & S Tempered Glass
1464 Guardian Industries - ANSI	1577 Guardian Fabrication - ANSI	1658 D & S Tempered Glass
1467 Nashville Tempered Glass	1578 Milgard Tempering Inc	1659 D & S Tempered Glass
1476 Viracon, Inc	1586 Taylor Products, Inc.	1660 D & S Tempered Glass
1477 Gemtron Corp	1587 Taylor Products, Inc.	1661 D & S Tempered Glass
1479 Hankuk Glass Ind - ANSI	1588 Taylor Products, Inc.	1663 AFG Industries
1480 Hankuk Glass Ind - ANSI	1589 Taylor Products, Inc.	1664 AFG Industries
1481 Hankuk Glass Ind - ANSI	1590 Free State Glass Industries	1665 Guardian Industries - ANSI
1482 Hankuk Glass Ind - ANSI	1591 Free State Glass Industries	1668 Globe-Amerada
1483 Hankuk Glass Ind - ANSI	1592 Free State Glass Industries	1676 Contour Industries
1485 AFG Glass Inc	1593 Free State Glass Industries	1677 Contour Industries
1486 AFG Glass Inc	1594 Free State Glass Industries	1678 Contour Industries
1487 AFG Glass Inc	1595 Hoffer's, Inc.	1680 Contour Industries
1489 AFG Glass Inc	1596 Hoffer's, Inc.	1682 Arch Tempered Glass - ANSI
1495 ACI Glass Products	1597 Hoffer's, Inc.	1683 Guardian Industries - ANSI
1496 ACI Glass Products	1598 Taylor Products, Inc.	1687 Donnelly Corp
1497 ACI Glass Products	1603 PPG Industries	1688 Donnelly Corp
1498 ACI Glass Products	1604 PPG Industries	1689 Marvin Windows
1508 Viracon, Inc	1605 PPG Industries	1690 Marvin Windows
1509 Viracon, Inc	1606 PPG Industries	1691 Marvin Windows
1518 American Flat Glass Distrib	1607 Guardian Fabrication - ANSI	1699 Sumitec, Inc.
1519 American Flat Glass Distrib	1608 Downey Glass Co	1701 Marvin Windows
1520 American Flat Glass Distrib	1609 Downey Glass Co	1702 AFG Industries Inc
1521 American Flat Glass Distrib	1611 Downey Glass Co	1703 AFG Industries Inc
1522 American Flat Glass Distrib	1616 Guardian Fabrication - ANSI	1704 AFG Industries Inc
1523 American Flat Glass Distrib	1617 Sunbelt Glass, Inc	1705 AFG Industries Inc
1524 American Flat Glass Distrib	1618 Sunbelt Glass, Inc	1706 American Flat Glass Distrib
1526 Arch Tempered Glass - ANSI	1624 AFG Industries	1708 American Flat Glass Dist
1527 Arch Tempered Glass - ANSI	1627 Guardian Inds Corp-Lewis**wn	1709 American Flat Glass Dist
1528 Arch Tempered Glass - ANSI	1628 Guardian Inds Corp-Lewis**wn	1710 American Flat Glass Dist
1530 Arch Tempered Glass - ANSI	1629 Guardian Inds Corp-Lewis**wn	1711 American Flat Glass Dist
1531 Arch Tempered Glass - ANSI	1630 Guardian Industries - ANSI	1712 American Flat Glass Dist
1533 Glasstemp, Inc.	1631 Guardian Industries - ANSI	1713 American Flat Glass Dist
1535 ACI Glass	1632 Guardian Industries - ANSI	1714 American Flat Glass Dist
1536 Glasstemp, Inc.	1633 Guardian Industries - ANSI	1715 U S Precision Glass
1545 Guardian Inds Corp-James**wn	1634 Guardian Industries - ANSI	1716 Interpane Spectrum Inc
1546 Floral Glass & Mirror	1635 Guardian Industries - ANSI	1718 Interpane Spectrum Inc
1547 Floral Glass & Mirror	1636 Viracon, Inc	1723 Marvin Windows
1548 Floral Glass & Mirror	1637 Viracon, Inc	1724 Marvin Windows
1549 Floral Glass & Mirror	1638 Northwestern Industries	1728 ACI Glass Products Inc - ANSI
1550 Floral Glass & Mirror	1639 Northwestern Industries	1736 Cameron Glass Inc
1551 Floral Glass & Mirror	1640 Northwestern Industries	1737 Guardian Industries - ANSI
1552 Floral Glass & Mirror	1641 AFG Industries	1738 Kuhl Glass Corp
1553 Floral Glass & Mirror	1642 ACI Glass	1739 Kuhl Glass Corp
1555 Swift Glass Co., Inc.	1643 ACI Glass	1740 Kuhl Glass Corp
1556 Swift Glass Co., Inc.	1644 ACI Glass	1741 Kuhl Glass Corp
1557 Swift Glass Co., Inc.	1645 ACI Glass	1744 Tempglass Miami
1558 Swift Glass Co., Inc.	1647 Pan Lam Industries	1745 Tempglass Miami

<u>SGCC NO.</u>	<u>SGCC NO.</u>	<u>SGCC NO.</u>
1746 Tempglass Miami	1805 Cardinal TG - CPSC	1870 Sunbelt Glass, Inc
1747 Tempglass Miami	1806 Cardinal TG - CPSC	1871 Shaw Glass Co Inc
1749 Cameron Glass Inc	1807 Cardinal TG - CPSC	1872 Canadian Insul-Glass Corp
1754 All Team Glass & Mirror Ltd	1808 Glasstemp, Inc.	1873 Canadian Insul-Glass Corp
1755 All Team Glass & Mirror Ltd	1809 Glasstemp, Inc.	1874 Canadian Insul-Glass Corp
1756 All Team Glass & Mirror Ltd	1810 American Flat Glass Distrib	1875 Canadian Insul-Glass Corp
1757 All Team Glass & Mirror Ltd	1813 Libbey-Owens-Ford Co	1877 Donnelly Corp
1758 All Team Glass & Mirror Ltd	1814 Libbey-Owens-Ford Co	1878 Laminated Glass Corp
1759 Sterling Plumbing Group	1815 Libbey-Owens-Ford Co	1879 Laminated Glass Corp
1760 Sterling Plumbing Group	1816 Libbey-Owens-Ford Co	1880 Laminated Glass Corp
1762 Sterling Plumbing Group	1826 Guardian Industries - ANSI	1881 Laminated Glass Corp
1763 Cameron Glass Inc	1827 Cardinal IG - CPSC	1882 Guardian Industries - ANSI
1765 Arch Aluminum & Glass Co**	1828 Cardinal IG - CPSC	1883 Viracon, Inc
1766 Arch Aluminum & Glass Co**	1829 Cardinal IG - CPSC	1884 Viracon, Inc
1767 Arch Aluminum & Glass Co**	1830 Cardinal IG - CPSC	1885 Guardian Walled Lake Fab**
1768 Arch Aluminum & Glass Co**	1831 Cardinal IG - CPSC	1886 Guardian Inds Corp-Lewis**wn
1769 Arch Aluminum & Glass Co**	1832 Cardinal IG - CPSC	1888 PFG Building Glass (PTY) Ltd
1780 Cameron Glass Inc	1833 Cardinal IG - CPSC	1889 Commercial Insulating Glass Co
1781 Sterling Plumbing Group	1834 Cardinal IG - CPSC	1890 Commercial Insulating Glass Co
1782 All Team Glass & Mirror Ltd	1835 Arch Tempered Glass - ANSI	1891 Commercial Insulating Glass Co
1783 Kuhl Glass Corp	1841 Cardinal IG - CPSC	1892 Commercial Insulating Glass Co
1784 Perilstein Distributing Corp	1842 Cardinal IG - CPSC	1893 Commercial Insulating Glass Co
1785 Perilstein Distributing Corp	1843 Cardinal IG - CPSC	1894 Commercial Insulating Glass Co
1786 Perilstein Distributing Corp	1844 Cardinal IG - CPSC	1895 Arch Tempered Glass - ANSI
1787 Perilstein Distributing Corp	1845 Cardinal IG - CPSC	1896 Lyn Hovey Studio
1788 Perilstein Distributing Corp	1846 Cardinal IG - CPSC	1897 Tempglass Western Inc
1789 Perilstein Distributing Corp	1847 Colonial Mirror & Glass Corp	1898 Tempglass Western Inc
1790 Perilstein Distributing Corp	1848 Colonial Mirror & Glass Corp	1899 Tempglass Western Inc
1791 Four Seasons Solar Products	1849 Colonial Mirror & Glass Corp	1900 Tempglass Western Inc
1792 Shaw Glass Co Inc	1854 U S Precision Glass	1901 Efco Corp
1794 AFG Industries	1855 Arch Tempered Glass - ANSI	1902 Efco Corp
1795 AFG Industries	1856 Temperit AG	1903 Efco Corp
1796 Hoffer's, Inc.	1861 ACI Glass	1904 Kuhl Glass Corp
1797 Hoffer's, Inc.	1862 Hoffer's, Inc.	1905 Kuhl Glass Corp
1798 Hoffer's, Inc.	1863 Sterling Plumbing Group	1908 Coraglass Inc
1799 Northwest Aluminum Products	1864 Sovis S A	1909 Coraglass Inc
1800 Northwest Aluminum Products	1865 Guardian Industries - ANSI	1910 Coraglass Inc
1801 Northwest Aluminum Products	1866 Guardian Inds Corp-Lewis**wn	1911 Coraglass Inc
1802 Northwest Aluminum Products	1867 Guardian Inds Corp-Lewis**wn	1915 Mirror Factory Inc
1803 Guardian Industries - ANSI	1868 Guardian Inds Corp-Lewis**wn	1916 Mirror Factory Inc
1804 Cardinal TG - CPSC	1869 Sterling Plumbing Group	

SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
ACI GLASS; GREENSBORO, NC					AFG INDS INC; SPRING HILL, KS (CON'T)				
1642	3/16	(5.0)	TTG	U	1705	1/4	(6.0)	TTG	U
1643	1/4	(6.0)	TTG	U	AFG GLASS INC; CONCORD, ONTARIO, CANADA				
1644	3/8	(10.0)	TTG	U	1485	1/8	(3.0)	TTG	U
1645	1/2	(12.0)	TTG	U	1486	5/32	(4.0)	TTG	U
ACI GLASS PRODUCTS INC; DALLAS, TX					1487	3/16	(5.0)	TTG	U
				ANSI ONLY	1489	1/4	(6.0)	TTG	U
1107	3/8	(10.0)	TTG	U	ALL TEAM GLASS & MIRROR LTD; WOODBRIDGE, ONTARIO, CANADA				
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
ACI GLASS PRODUCTS INC; DALLAS, TX					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
ACI GLASS PRODUCTS; SANTA CLARA, CA					AMERICAN FLAT GLASS DIST; ALVARADO, TX				
1496	1/4	(6.0)	TTG	U	1708	1/8	(3.0)	TTG	U
1497	3/8	(10.0)	TTG	U	1709	3/16	(5.0)	TTG	U
1498	1/2	(12.0)	TTG	U	1710	1/4	(6.0)	TTG	U
1495	7/32	(5.6)	TPG(S)	U	1711	3/8	(10.0)	TTG	U
ACI GLASS PRODUCTS INC; SANTA FE SPRINGS, CA					1712	1/2	(12.0)	TTG	U
1157	3/16	(5.0)	TTG	U	1713	5/32	(4.0)	TPG(S)	U
1535	1/4	(6.0)	TTG	U	1714	3/16	(5.0)	TPG(S)	U
1179	3/8	(10.0)	TTG	U	AMERICAN FLAT GLASS DIST; FALL RIVER, MA				
640	1/2	(12.0)	TTG	U	1518	1/8	(3.0)	TTG	U
1861	1/8	(3.0)	TPG(S)	U	1519	3/16	(5.0)	TTG	U
AFG INDS INC; BRIDGEPORT, WV					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
1795	3/16	(5.0)	TTG	U	1524	5/32	(4.0)	TPG(S)	U
1794	1/4	(6.0)	TTG	U	1523	3/16	(4.8)	TPG(S)	U
AFG INDS INC; VICTORVILLE, CA					AMERICAN FLAT GLASS DIST; MARIETTA, GA				
1664	1/8	(3.2)	TTG	U	1405	1/8	(3.0)	TTG	U
1641	5/32	(4.0)	TTG	U	1230	3/16	(5.0)	TTG	U
1663	3/16	(4.8)	TTG	U	1231	1/4	(6.0)	TTG	U
AFG INDS INC; GREENLAND, TN					1232	3/8	(10.0)	TTG	U
598	1/8	(3.0)	TTG	U	1406	1/2	(12.0)	TTG	U
955	5/32	(4.0)	TTG	U	1428	5/32	(4.0)	TPG(S)	U
220	3/16	(5.0)	TTG	U	1415	3/16	(4.8)	TPG(S)	U
89	1/4	(6.0)	TTG	U	1810	7/32	(5.6)	LTG(B)(.030)	U
90	3/8	(10.0)	TTG	U	1706	1/4	(6.0)	LTG(B)	U
587	1/8	(3.2)	TPG(S)	U	ANGLASS INDS INC; SAN FERNANDO, CA				
1139	3/16	(4.8)	TPG(S)	U					ANSI ONLY
AFG INDS INC; KINGSPORT, TN					520	1/8	(3.0)	TTG	U
1390	1/8	(3.0)	TTG	U	999	3/16	(5.0)	TTG	U
949	5/32	(4.0)	TTG	U	1000	1/4	(6.0)	TTG	U
28	3/16	(5.0)	TTG	U	ARCH ALUMINUM & GLASS CO; AUSTELL, GA				
24	1/4	(6.0)	TTG	U					ANSI ONLY
1143	3/16	(4.8)	TPG(S)	U	1765	1/8	(3.0)	TTG	U
1414	1/8	(3.2)	TPG(M)	U	1766	3/16	(5.0)	TTG	U
AFG INDS INC; SPRING HILL, KS					1767	1/4	(6.0)	TTG	U
1702	1/8	(3.0)	TTG	U	1768	3/8	(10.0)	TTG	U
1703	5/32	(4.0)	TTG	U	1769	1/2	(12.0)	TTG	U
1704	3/16	(5.0)	TTG	U	ARCH TEMPERED GLASS PRODUCTS; ORLANDO, FL				
									ANSI ONLY
					1526	1/8	(3.0)	TTG	U

SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
ARCH TEMPERED GLASS PRODUCTS; ORLANDO, FL (CONT)					COMMERCIAL INSULATING GLASS CO; SARASOTA, FL				
1527	3/16	(5.0)	TTG	U	1889	1/8	(3.0)	TTG	31" by 76"
1528	1/4	(6.0)	TTG	U	1890	3/16	(5.0)	TTG	31" by 76"
1895	3/8	(10.0)	TTG	U	1891	1/4	(6.0)	TTG	31" by 76"
1530	1/2	(12.0)	TTG	U	1892	1/8	(3.0)	TPG(S)	31" by 76"
1835	3/4	(19.0)	TTG	U	1893	5/32	(4.0)	TPG(S)	31" by 76"
1531	1/8	(3.0)	TPG(S)	U	1894	3/16	(4.8)	TPG(S)	31" by 76"
1682	5/32	(4.0)	TPG(S)	U	CONTOUR INDUSTRIES INC; SURGOINSVILLE, TN				
1562	3/16	(4.8)	TPG(S)	U	1680	1/8	(3.0)	TTG	18" by 76"
1855	9/32	(7.0)	LTG(L)(.030)	U	1678	3/16	(5.0)	TTG	18" by 76"
ARDCO INC; CHICAGO, IL					1677	1/4	(6.0)	TTG	18" by 76"
1041	1/8	(3.0)	TTG	U	1676	1/8	(3.0)	TPG(S)	18" by 60"
1042	3/16	(5.0)	TTG	U	CORAGLASS INC; REFORM, AL				
1563	5/32	(4.0)	TBG	U	1908	1/8	(3.0)	TTG	U
1564	3/16	(5.0)	TBG	U	1909	5/32	(4.0)	TTG	U
1565	1/4	(6.0)	TBG	U	1910	3/16	(5.0)	TTG	U
CAMERON GLASS INC; BROKEN ARROW, OK					1911	1/4	(6.0)	TTG	U
1736	1/8	(3.2)	TTG	U	D & S TEMPERED GLASS; DALLAS, TX				
1763	5/32	(4.0)	TTG	U	1653	1/8	(3.0)	TTG	U
1749	3/16	(5.0)	TTG	U	1654	5/32	(4.0)	TTG	U
1780	1/4	(6.0)	TTG	U	1655	3/16	(5.0)	TTG	U
CANADIAN INSUL-GLASS CORP; ONTARIO, CANADA					1656	1/4	(6.0)	TTG	U
1872	1/8	(3.0)	TTG	U	1657	3/8	(10.0)	TTG	U
1873	5/32	(4.0)	TTG	U	1658	1/2	(12.0)	TTG	U
1874	3/16	(5.0)	TTG	U	1659	1/8	(3.0)	TPG(S)	U
1875	1/4	(6.0)	TTG	U	1660	5/32	(4.0)	TPG(S)	U
CARDINAL IG; GREENFIELD, IA					1661	3/16	(4.8)	TPG(S)	U
CPSC ONLY					DONNELLY CORP; HOLLAND, MI				
1827	1/8	(3.0)	TTG	U	1877	1/8	(3.0)	TTG	26" by 58"
1828	5/32	(4.0)	TTG	U	1687	3/16	(4.8)	TTG	30" by 76"
1829	3/16	(5.0)	TTG	U	1688	1/4	(6.0)	TTG	30" by 76"
1830	1/4	(6.0)	TTG	U	DOWNEY GLASS CO; LOS ANGELES, CA				
1841	1/8	(3.0)	TPG(S)	U	1608	1/8	(3.0)	TTG	U
1842	5/32	(4.0)	TPG(S)	U	1609	5/32	(4.0)	TTG	U
1843	3/16	(5.0)	TPG(S)	U	630	3/16	(5.0)	TTG	U
CARDINAL IG; SPRING GREEN, WI					514	1/4	(6.0)	TTG	U
CPSC ONLY					515	3/8	(10.0)	TTG	U
1831	1/8	(3.0)	TTG	U	516	1/2	(12.0)	TTG	U
1832	5/32	(4.0)	TTG	U	935	3/16	(4.8)	TPG(S)	U
1833	3/16	(5.0)	TTG	U	678	7/32	(5.6)	TPG(S)	U
1834	1/4	(6.0)	TTG	U	1611	1/8	(3.2)	TPG(M)	U
1844	1/8	(3.0)	TPG(S)	34" by 60"	EFCO CORP; MONETT, MO				
1845	5/32	(4.0)	TPG(S)	U	1901	3/16	(5.0)	TTG	U
1846	3/16	(5.0)	TPG(S)	U	1902	1/4	(6.0)	TTG	U
CARDINAL TG; TOMAH, WI					1903	3/16	(5.0)	TPG	
CPSC ONLY					FLEX-O-GLASS INC; DIXON, IL				
1804	1/8	(3.0)	TTG	U	118	0.080-inch through 0.125-inch			U
1805	5/32	(4.0)	TTG	U	smooth extruded acrylic				
1806	3/16	(5.0)	TTG	U	FLORAL GLASS & MIRROR INC; HAUPPAUGE, NY				
1807	1/4	(6.0)	TTG	U	1546	1/8	(3.0)	TTG	U
COLONIAL MIRROR & GLASS CORP; BROOKLYN, NY					1547	3/16	(5.0)	TTG	U
1847	1/4	(6.0)	TTG	U	1548	1/4	(6.0)	TTG	U
1848	3/8	(10.0)	TTG	U	1549	3/8	(10.0)	TTG	U
1849	1/2	(12.0)	TTG	U	1550	1/2	(12.0)	TTG	U
					1551	3/4	(19.0)	TTG	U
					1552	1/8	(3.2)	TPG(S)	U
					1553	7/32	(5.6)	TPG(S)	U

SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
FOUR SEASONS SOLAR PRODUCTS; HOLBROOK, NY					GUARDIAN FABRICATION INC; WEBSTER, MA (CONT)				
1791	1/8	(3.0)	TTG	U	471	3/8	(10.0)	TTG	U
FREE STATE GLASS INDS; WARRENTON, VA					1235	1/2	(12.0)	TTG	U
1590	1/8	(3.0)	TTG	U	GUARDIAN INDUSTRIES CORP; CARLETON, MI				
1591	3/16	(5.0)	TTG	U					ANSI ONLY
1592	1/4	(6.0)	TTG	U	933	1/8	(3.0)	TTG	U
1593	3/8	(10.0)	TTG	U	934	5/32	(4.0)	TTG	U
1594	1/2	(12.0)	TTG	U	631	3/16	(5.0)	TTG	U
GEMTRON CORP; SWEETWATER, TN					131	1/4	(6.0)	TTG	U
1334	1/8	(3.0)	TTG	U	GUARDIAN INDS CORP; CORSICANA, TX				
1332	5/32	(4.0)	TTG	U					ANSI ONLY
1201	3/16	(5.0)	TTG	U	1248	1/8	(3.0)	TTG	U
1477	1/4	(6.0)	TTG	U	1249	5/32	(4.0)	TTG	U
1422	1/8	(3.2)	TPG(S)	U	1250	3/16	(5.0)	TTG	U
1424	5/32	(4.0)	TPG(S)	U	1251	1/4	(6.0)	TTG	U
GLASS FACTORY INC; RONKONKOMA, NY					1826	5/16	(8.0)	TTG	U
1458	1/8	(3.0)	TTG	U	1253	3/8	(10.0)	TTG	U
1459	3/16	(5.0)	TTG	U	1803	1/2	(12.0)	TTG	U
1460	1/4	(6.0)	TTG	U	1463	1/8	(3.2)	TPG(S)	U
1461	1/2	(12.0)	TTG	U	1737	5/32	(4.0)	TPG(S)	U
GLASSTEMP INC; BENSENVILLE, IL					1464	7/32	(5.6)	TPG(S)	U
1381	3/16	(5.0)	TTG	U	GUARDIAN INDS CORP; FORT LAUDERDALE, FL				
1382	1/4	(6.0)	TTG	U					ANSI ONLY
1383	3/8	(10.0)	TTG	U	1161	1/8	(3.0)	TTG	U
1384	1/2	(12.0)	TTG	U	633	3/16	(5.0)	TTG	U
1808	3/16	(5.0)	TBG	U	40	1/4	(6.0)	TTG	U
1809	1/4	(6.0)	TBG	U	1665	1/8	(3.2)	TPG(S)	30" by 70"
1536	3/8	(10.0)	TBG	U	1318	3/16	(4.8)	TPG(S)	U
1533	1/2	(12.0)	TBG	U	GUARDIAN INDS CORP; KINGSBURG, CA				
GLOBE-AMERADA GLASS CO (ASSURANCE); SELMA, AL									ANSI ONLY
1668	1/4	(6.0)	LTG(B)	U	968	1/8	(3.0)	TTG	U
GUARDIAN FABRICATION INC; MILLBURY, OH					969	5/32	(4.0)	TTG	U
				ANSI ONLY	970	3/16	(5.0)	TTG	U
1574	1/8	(3.0)	TTG	U	971	1/4	(6.0)	TTG	U
1575	5/32	(4.0)	TTG	U	1304	3/16	(4.8)	TPG(S)	U
1576	3/16	(5.0)	TTG	U	1882	1/4	(6.4)	TPG(S)	U
1577	1/4	(6.0)	TTG	U	1303	1/8	(3.2)	TPG(M)	U
GUARDIAN FABRICATION INC; ROGERS, AR					1301	5/32	(4.0)	TPG(M)	U
				ANSI ONLY	GUARDIAN INDS CORP; RICHBURG, SC				
1355	1/8	(3.0)	TTG	U					ANSI ONLY
1616	5/32	(4.0)	TTG	U	1630	1/8	(3.0)	TTG	U
1356	3/16	(5.0)	TTG	U	1631	5/32	(4.0)	TTG	U
1357	1/4	(6.0)	TTG	U	1632	3/16	(5.0)	TTG	U
1358	1/8	(3.2)	TPG(S)	U	1633	1/4	(6.0)	TTG	U
1359	5/32	(4.0)	TPG(S)	U	1634	3/8	(10.0)	TTG	U
1394	3/16	(4.8)	TPG(D)	U	1683	1/8	(3.2)	TPG(S)	U
GUARDIAN FABRICATION INC; WEBSTER, MA					1635	5/32	(4.0)	TPG(S)	U
				ANSI ONLY	1865	3/16	(4.8)	TPG(S)	U
300	1/8	(3.0)	TTG	U	GUARDIAN INDS CORP; UPPER SANDUSKY, OH				
1607	5/32	(4.0)	TTG	U					ANSI ONLY
1216	3/16	(5.0)	TTG	U	458	7/32	(5.5)	LTG(B)(.030)	U
662	1/4	(6.0)	TTG	U	487	1/4	(6.0)	LTG(B)(.030)	U

SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
GUARDIAN INDS CORP; TILLSONBURG, ONTARIO, CANADA					INTERPANE SPECTRUM INC; CLINTON, NC (CON'T)				
				ANSI ONLY					
1462	1/8	(3.0)	TTG	U	1076	3/8	(10.0)	TTG	U
GUARDIAN INDS CORP-JAMESTOWN; FALCONER, NY					1077	1/2	(12.0)	TTG	U
				ANSI ONLY	1716	5/8	(16.0)	TTG	U
1545	3/16	(5.0)	TTG	U	1718	3/4	(19.0)	TTG	U
709	1/4	(6.0)	TTG	U	KUHL GLASS CORP; SAGINAW, MI				
1280	3/8	(10.0)	TTG	U	1904	1/8	(3.2)	TTG	U
711	1/2	(12.0)	TTG	U	1905	5/32	(4.0)	TTG	U
712	3/4	(19.0)	TTG	U	1738	3/16	(5.0)	TTG	U
GUARDIAN INDS CORP-LEWISTOWN; LEWISTOWN, PA					1739	1/4	(6.0)	TTG	U
				ANSI ONLY	1740	3/8	(10.0)	TTG	U
1627	1/8	(3.0)	TTG	U	1741	1/2	(12.0)	TTG	U
1866	5/32	(4.0)	TTG	U	1783	3/16	(5.0)	TPG(M)	U
1628	3/16	(5.0)	TTG	U	LAMINATED GLASS CORP; TELFORD, PA				
1629	1/4	(6.0)	TTG	U	1878	3/16	(5.0)	TTG	U
1867	3/8	(10.0)	TTG	U	1879	1/4	(6.0)	TTG	U
1868	1/2	(12.0)	TTG	U	1880	3/8	(10.0)	TTG	U
1886	5/32	(4.0)	LTG(B)(.030)	U	1881	1/2	(12.0)	TTG	U
1282	7/32	(5.5)	LTG(B)(.015)	U	1652	1/4	(6.0)	LTG(B)(.030)	U
1284	1/4	(6.0)	LTG(B)(.015)	U	LIBBEY-OWENS-FORD CO; OTTAWA, IL				
1315	3/8	(10.0)	LTG(B)(.015)	U	1813	1/8	(3.0)	TTG	U
1316	1/2	(12.0)	LTG(B)(.015)	U	1814	5/32	(4.0)	TTG	U
GUARDIAN WALLED LAKE FABRICATION; WALLED LAKE, MI					1815	3/16	(5.0)	TTG	U
				ANSI ONLY	1816	1/4	(6.0)	TTG	U
1885	1/8	(3.0)	TTG	20" by 30"	LYN HOVEY STUDIO; BOSTON				
HAMILTON GLASS PRODUCTS INC; VINCENNES, IN					1896	1/4	(6.0)	LPG(L)(.040) 20" by 24"	
54	1/8	(3.0)	TTG	U	MACDONALD MIRROR INC; BRAMPTON, ONTARIO, CANADA				
1385	5/32	(4.0)	TTG	U	1651	1/4	(6.0)	LTG(B)(.030)	U
1200	3/16	(5.0)	TTG	U	MARVIN WINDOWS; WARROAD, MN				
57	1/4	(6.0)	TTG	U	1689	1/8	(3.0)	TTG	U
1386	5/32	(4.0)	TPG(S)	U	1723	5/32	(4.0)	TTG	U
1387	3/16	(4.8)	TPG(S)	U	1690	3/16	(5.0)	TTG	U
HANKUK GLASS INDUSTRIES INC; SEOUL, KOREA					1691	1/4	(6.0)	TTG	U
				ANSI ONLY	1724	1/8	(3.0)	TPG(S)	U
1479	5/32	(4.0)	TTG	U	1701	3/16	(5.0)	TPG(S)	U
1480	3/16	(5.0)	TTG	U	MILGARD TEMPERING INC; TACOMA, WA				
1413	1/4	(6.0)	TTG	U	1578	1/4	(6.0)	TTG	U
1481	5/16	(8.0)	TTG	U	MIRROR FACTORY INC; PLYMOUTH, MN				
1482	3/8	(10.0)	TTG	U	1915	7/32	(5.6)	LTG(B)(.030)	U
1483	1/2	(12.0)	TTG	U	1916	1/4	(6.0)	LTG(B)(.300)	U
HOFFER'S INC; SCHOFIELD, WI					NASHVILLE TEMPERED GLASS CORP; NASHVILLE, TN				
1595	1/8	(3.0)	TTG	U	1416	1/8	(3.0)	TTG	U
1862	5/32	(4.0)	TTG	U	1467	3/16	(5.0)	TTG	U
1596	3/16	(5.0)	TTG	U	1417	1/4	(6.0)	TTG	U
1597	1/4	(6.0)	TTG	U	NORTHWEST ALUMINUM PRODUCTS INC; YAKIMA, WA				
1796	3/8	(10.0)	TTG	U	1799	1/8	(3.0)	TTG	U
1797	1/2	(12.0)	TTG	U	1800	3/16	(5.0)	TTG	U
1798	3/16	(5.0)	TPG(S)	U	1801	1/4	(6.0)	TTG	U
INTERPANE SPECTRUM INC; CLINTON, NC					1802	1/8	(3.0)	TPG(S)	U
1073	3/16	(5.0)	TTG	U	NORTHWESTERN INDS INC; SEATTLE, WA				
1074	1/4	(6.0)	TTG	U	1638	3/16	(5.0)	TTG	U
1075	5/16	(8.0)	TTG	U	1639	1/4	(6.0)	TTG	U
					1640	3/16	(5.0)	LTG(B)(.030)	U

SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
PAN LAM INDS; BOTHELL, WA					SUMITEC INC; BENTON HARBOR, MI				
1647	3/16	(5.0)	LTG(B)	U	1441	7/32	(5.6)	LTG(B)	U
PERILSTEIN DISTRIBUTING CORP; CHESWICK, PA					1699	1/2	(12.0)	LTG(B)	U
1784	1/8	(3.0)	TTG	U	SUNBELT GLASS INC; TULSA, OK				
1785	3/16	(5.0)	TTG	U	1453	1/8	(3.0)	TTG	U
1786	1/4	(6.0)	TTG	U	1870	5/32	(4.0)	TTG	U
1787	3/8	(10.0)	TTG	U	1454	3/16	(5.0)	TTG	U
1788	1/2	(12.0)	TTG	U	1455	1/4	(6.0)	TTG	U
1790	3/16	(5.0)	TPG	U	1456	3/8	(10.0)	TTG	U
1789	1/8	(3.0)	TPG(S)	U	1457	1/2	(12.0)	TTG	U
PFG BUILDING GLASS (PTY) LTD; REPUBLIC OF SOUTH AFRICA					1617	5/32	(4.0)	TPG(S)	U
1888	5/32	(4.0)	TTG	U	1618	3/16	(4.8)	TPG(S)	U
PPG INDS INC; CARLISLE, PA					SWIFT GLASS CO INC; ELMIRA HEIGHTS, NY				
382	1/4	(6.0)	TTG	ANSI ONLY	1555	1/8	(3.0)	TTG	U
				U	1556	3/16	(5.0)	TTG	U
PPG INDS INC; CARLISLE, PA					1557	1/4	(6.0)	TTG	U
250	1/8	(3.0)	TTG	U	1558	3/8	(10.0)	TTG	U
675	5/32	(4.0)	TTG	U	1559	1/2	(12.0)	TTG	U
249	3/16	(5.0)	TTG	U	TAYLOR PRODUCTS INC; PAYNE, OH				
PPG INDS INC; FRESNO, CA					1586	1/8	(3.2)	TTG	U
295	1/8	(3.0)	TTG	U	1587	5/32	(4.0)	TTG	U
676	5/32	(4.0)	TTG	U	1588	3/16	(5.0)	TTG	U
64	3/16	(5.0)	TTG	U	1589	1/4	(6.0)	TTG	U
PPG INDS INC; BURLINGTON, IA					1598	3/8	(10.0)	TTG	U
1605	1/8	(3.0)	TTG	U	TEMP-TECH INDS INC; CHICAGO, IL				
1606	5/32	(4.0)	TTG	U	986	1/4	(6.0)	TTG	U
1603	3/16	(5.0)	TTG	U	TEMPERED GLASS INC; AUSTELL, GA				
1604	1/4	(6.0)	TTG	U	862	3/16	(5.0)	TTG	U
PPG INDS INC; WICHITA FALLS, TX					863	1/4	(6.0)	TTG	U
1113	1/4	(6.0)	TTG	ANSI ONLY	865	3/8	(10.0)	TTG	U
				U	866	1/2	(12.0)	TTG	U
PPG INDS INC; WICHITA FALLS, TX					TEMPERIT AG; SWITZERLAND				
1110	1/8	(3.0)	TTG	U	1856	1/4	(6.0)	TTG	U
1111	5/32	(4.0)	TTG	U	TEMPGLASS INC; PERRYSBURG, OH				
1112	3/16	(5.0)	TTG	U	1039	1/8	(3.0)	TTG	U
SHAW GLASS CO INC; SOUTH EASTON, MA					592	3/16	(5.0)	TTG	U
1792	5/32	(4.0)	TTG	U	1420	1/4	(6.0)	TTG	U
1871	3/16	(5.0)	TTG	U	594	3/8	(10.0)	TTG	U
1035	1/4	(6.0)	TTG	U	595	1/2	(12.0)	TTG	U
1036	3/8	(10.0)	TTG	U	TEMPGLASS MIAMI; MIAMI, FL				
1037	1/2	(12.0)	TTG	U	1744	3/16	(5.0)	TTG	U
1299	3/16	(4.8)	TPG(S)	U	1745	1/4	(6.0)	TTG	U
SOVIS S A; FRANCE					1746	3/8	(10.0)	TTG	U
1864	1/4	(6.0)	TBG	U	1747	1/2	(12.0)	TTG	U
STERLING PLUMBING GROUP; MALVERN, AR					TEMPGLASS SOUTHERN INC; GRAND PRAIRIE, TX				
1759	1/8	(3.0)	TTG	U	1219	3/16	(5.0)	TTG	U
1760	5/32	(4.0)	TTG	U	1044	1/4	(6.0)	TTG	U
1869	3/16	(5.0)	TTG	U	1045	3/8	(10.0)	TTG	U
1762	1/4	(6.0)	TTG	U	1046	1/2	(12.0)	TTG	U
1781	1/8	(3.0)	TPG(S)	U	1649	1/2	(12.0)	LTG(B)(.031)	U
1863	3/16	(5.0)	TPG(S)	U	TEMPGLASS WESTERN INC; FREMONT, CA				
					1897	3/16	(5.0)	TTG	U
					1898	1/4	(6.0)	TTG	U
					1899	3/8	(10.0)	TTG	U
					1900	1/2	(12.0)	TTG	U

SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED	SGCC NO.	INCH	(MM)	TYPE	MAX. SIZE CERTIFIED
TRACO (THREE RIVERS ALUM); WARRENDALE, PA					CERTIFIED PRODUCTS KEY				
1308	1/8	(3.0)	TTG	U	TTG = TEMPERED TRANSPARENT GLASS				
1310	3/16	(5.0)	TTG	U	TPG = TEMPERED PATTERNED GLASS				
1311	1/4	(6.0)	TTG	U	TBG = TEMPERED BENT GLASS				
U S PRECISION GLASS; ELGIN, IL					LTG = LAMINATED TRANSPARENT GLASS				
1369	1/8	(3.0)	TTG	U	LPG = LAMINATED PATTERNED GLASS				
1370	5/32	(4.0)	TTG	U	LSP = LAMINATED SPECIALTY PRODUCTS				
1371	3/16	(5.0)	TTG	U	OCG = ORGANIC COATED GLASS				
1372	1/4	(6.0)	TTG	U	(S) = SHALLOW PATTERN				
1854	3/8	(10.0)	TTG	U	(M) = MEDIUM PATTERN				
U S PRECISION GLASS; JEFFERSON, TX					(D) = DEEP PATTERN				
				ANSI ONLY	(B) = POLY VINYL BUTYRAL INTERLAYER MATERIAL				
1388	1/8	(3.2)	TPG(M)	U	(L) = LIQUID RESIN INTERLAYER MATERIAL				
U S PRECISION GLASS; JEFFERSON, TX					(P) = POLYETHYLENE TERPHTHALATE INTERLAYER MATERIAL				
1281	1/8	(3.0)	TTG	U	(F) = FLOURINATED ETHYLENE PROPYLENE INTERLAYER MATERIAL				
1715	5/32	(4.0)	TTG	U	(H) = HYBRID				
1286	3/16	(5.0)	TTG	U	U = UNLIMITED SIZE				
1287	1/4	(6.0)	TTG	U					
U S PRECISION GLASS; LEWISBURG, OH									
				ANSI ONLY					
188	3/16	(4.8)	TPG(S)	U					
562	7/32	(5.6)	TPG(S)	U					
654	1/8	(3.2)	TPG(M)	U					
328	3/16	(4.8)	TPG(D)	U					
U S PRECISION GLASS; LEWISBURG, OH									
1050	1/8	(3.0)	TTG	U					
1452	5/32	(4.0)	TTG	U					
185	3/16	(5.0)	TTG	U					
186	1/4	(6.0)	TTG	U					
VIRACON INC; OWATONNA, MN									
1476	1/8	(3.0)	TTG	U					
1403	3/16	(5.0)	TTG	U					
1404	1/4	(6.0)	TTG	U					
1508	3/8	(10.0)	TTG	U					
1509	1/2	(12.0)	TTG	U					
1637	3/16	(5.0)	LTG(B)(.030)	U					
1636	3/16	(5.0)	LPG(B)(.030)	U					
1883	1/8	(3.0)	OCG(H)(.037)	U					
1884	1/4	(6.0)	OCG(H)(.037)	U					
VIRGINIA GLASS PRODUCTS CORP; MARTINSVILLE, VA									
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					

	<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS			
1/8 inch tempered transparent glass			
AFG Industries; Bridgeport, WV	1436	400	U
AFG Industries; Greenland, TN	598	300	U
AFG Industries; Kingsport, TN	1390	300	U
AFG Industries Inc; Spring Hill, KS	1702	800	U
AFG Glass Inc; Concord, Ontario, Canada	1485	400	U
American Flat GLass Dist; Alvarado, TX	1708	900	U
American Flat Glass Distrib; Fall River, MA	1518	400	U
American Flat Glass Distrib; Marietta, GA	1405	300	U
Anglass Industries; San Fernando, CA	520	ANSI ONLY 250	U
Arch Aluminum & Glass Co; Austell, GA	1765	ANSI ONLY 300	U
Arch Tempered Glass; Orlando, FL	1526	ANSI ONLY 600	U
Ardco, Inc; Chicago, IL	1041	400	U
Canadian Insul-Glass Corp; Ontario, CANADA	1872	400	U
Cardinal IG; Greenfield, IA	1827	CPSC ONLY 800	U
Cardinal IG; Spring Green, WI	1831	CPSC ONLY 800	U
Cardinal TG; Tomah, WI	1804	CPSC ONLY 800	U
Commercial Insulating Glass Co; Sarasota, FL	1889	600	31" by 76"
Contour Industries; Surgoinsville, TN	1680	300	18" by 76"
Coraglass Inc; Reform, AL	1908	300	U
D & S Tempered Glass; Dallas, TX	1653	900	U
Donnelly Corp; Holland, MI	1877	400	26" by 58"
Downey Glass Co; Los Angeles, CA	1608	250	U
Floral Glass & Mirror; Hauppauge, NY	1546	400	U
Four Seasons Solar Products; Holbrook, NY	1791	400	U
Free State Glass Industries; Warrenton, VA	1590	100	U
Gemtron Corp; Sweetwater, TN	1334	300	U
The Glass Factory; Ronkonkoma, NY	1458	400	U
Guardian Fabrication; Millbury, OH	1574	ANSI ONLY 200	U
Guardian Fabrication; Rogers, AR	1355	ANSI ONLY 900	U
Guardian Fabrication; Webster, MA	300	ANSI ONLY 400	U
Guardian Industries; Carleton, MI	933	ANSI ONLY 200	U
Guardian Industries; Corsicana, TX	1248	ANSI ONLY 900	U
Guardian Industries; Fort Lauderdale, FL	1161	ANSI ONLY 600	U
Guardian Industries; Kingsburg, CA	968	ANSI ONLY 900	U
Guardian Industries; Richburg, SC	1630	ANSI ONLY 300	U
Guardian Industries; Tillsonburg, Ontario, Canada	1462	ANSI ONLY 400	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1627	ANSI ONLY 400	U
Guardian Walled Lake Fab; Walled Lake, MI	1885	ANSI ONLY 200	20" by 30"
Hamilton Glass Products; Vincennes, IN	54	200	U
Hoffer's, Inc.; Schofield, WI	1595	400	U
Libbey-Owens-Ford Co; Ottawa, IL	1813	800	U
Marvin Windows; Warroad, MN	1689	400	U
Nashville Tempered Glass; Nashville, TN	1416	200	U
Northwest Aluminum Products; Yakima, WA	1799	750	U
Perilstein Distributing Corp; Cheswick, PA	1784	400	U
PPG Industries; Carlisle, PA	250	400	U
PPG Industries; Fresno, CA	295	250	U
PPG Industries; Burlington, IA	1605	800	U
PPG Industries; Wichita Falls, TX	1110	900	U
Sterling Plumbing Group; Malvern, AR	1759	600	U
Sunbelt Glass, Inc; Tulsa, OK	1453	900	U
Swift Glass Co., Inc.; Elmira Heights, NY	1555	400	U
Tempglass, Inc; Perrysburg, OH	1039	200	U
TRACO (Three Rivers Alum.); Warrendale, PA	1308	100	U
U S Precision Glass; Elgin, IL	1369	200	U
U S Precision Glass; Jefferson, TX	1281	900	U
U S Precision Glass; Lewisburg, OH	1050	200	U
Viracon, Inc; Owatonna, MN	1476	75	U
AFG Industries; Victorville, CA	1664	250	U
Cameron Glass Inc; Broken Arrow, OK	1736	900	U
Kuhl Glass Corp; Saginaw, MI	1904	200	U
Taylor Products, Inc.; Payne, OH	1586	400	U

	<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued			
5/32 inch tempered transparent glass			
AFG Industries; Bridgeport, WV	1624	400	U
AFG Industries; Victorville, CA	1641	250	U
AFG Industries; Greenland, TN	955	300	U
AFG Industries; Kingsport, TN	949	300	U
AFG Industries Inc; Spring Hill, KS	1703	800	U
AFG Glass Inc; Concord, Ontario, Canada	1486	400	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA	1754	400	U
Cameron Glass Inc; Broken Arrow, OK	1763	900	U
Canadian Insul-Glass Corp; Ontario, CANADA	1873	400	U
Cardinal IG; Greenfield, IA	1828	CPSC ONLY 800	U
Cardinal IG; Spring Green, WI	1832	CPSC ONLY 800	U
Cardinal TG; Tomah, WI	1805	CPSC ONLY 800	U
Coraglass Inc; Reform, AL	1909	300	U
D & S Tempered Glass; Dallas, TX	1654	900	U
Downey Glass Co; Los Angeles, CA	1609	250	U
Gemtron Corp; Sweetwater, TN	1332	300	U
Guardian Fabrication; Millbury, OH	1575	ANSI ONLY 200	U
Guardian Fabrication; Rogers, AR	1616	ANSI ONLY 900	U
Guardian Fabrication; Webster, MA	1607	ANSI ONLY 400	U
Guardian Industries; Carleton, MI	934	ANSI ONLY 200	U
Guardian Industries; Corsicana, TX	1249	ANSI ONLY 900	U
Guardian Industries; Kingsburg, CA	969	ANSI ONLY 900	U
Guardian Industries; Richburg, SC	1631	ANSI ONLY 300	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1866	ANSI ONLY 400	U
Hamilton Glass Products; Vincennes, IN	1385	200	U
Hankuk Glass Ind; Seoul, Korea	1479	ANSI ONLY 250	U
Hoffer's, Inc.; Schofield, WI	1862	400	U
Kuhl Glass Corp; Saginaw, MI	1905	200	U
Libbey-Owens-Ford Co; Ottawa, IL	1814	800	U
Marvin Windows; Warroad, MN	1723	400	U
PFG Building Glass (PTY) Ltd; Republic Of South Africa	1888	400	U
PPG Industries; Carlisle, PA	675	400	U
PPG Industries; Fresno, CA	676	250	U
PPG Industries; Burlington, IA	1606	800	U
PPG Industries; Wichita Falls, TX	1111	900	U
Shaw Glass Co Inc; South Easton, MA	1792	400	U
Sterling Plumbing Group; Malvern, AR	1760	600	U
Sunbelt Glass, Inc; Tulsa, OK	1870	900	U
Taylor Products, Inc.; Payne, OH	1587	400	U
U S Precision Glass; Elgin, IL	1370	200	U
U S Precision Glass; Jefferson, TX	1715	900	U
U S Precision Glass; Lewisburg, OH	1452	200	U
3/16 inch tempered transparent glass			
AFG Industries; Victorville, CA	1663	250	U
Donnelly Corp; Holland, MI	1687	400	30" by 76" U
ACI Glass; Greensboro, NC	1642	300	U
ACI Glass Products Inc; Dallas, TX	400	900	U
ACI Glass; Santa Fe Springs, CA	1157	250	U
AFG Industries; Bridgeport, WV	1795	400	U
AFG Industries; Greenland, TN	220	300	U
AFG Industries; Kingsport, TN	28	300	U
AFG Industries Inc; Spring Hill, KS	1704	800	U
AFG Glass Inc; Concord, Ontario, Canada	1487	400	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA	1755	400	U
American Flat Glass Dist; Alvarado, TX	1709	900	U
American Flat Glass Distrib; Fall River, MA	1519	400	U
American Flat Glass Distrib; Marietta, GA	1230	300	U
Anglass Industries; San Fernando, CA	999	ANSI ONLY 250	U
Arch Aluminum & Glass Co; Austell, GA	1766	ANSI ONLY 300	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued				
3/16 inch tempered transparent glass - continued				
Arch Tempered Glass; Orlando, FL	1527	ANSI ONLY	600	U
Ardco, Inc; Chicago, IL	1042		400	U
Cameron Glass Inc; Broken Arrow, OK	1749		900	U
Canadian Insul-Glass Corp; Ontario, CANADA	1874		400	U
Cardinal IG; Greenfield, IA	1829	CPSC ONLY	800	U
Cardinal IG; Spring Green, WI	1833	CPSC ONLY	800	U
Cardinal TG; Tomah, WI	1806	CPSC ONLY	800	U
Commercial Insulating Glass Co; Sarasota, FL	1890		600	31" by 76"
Contour Industries; Surgoinsville, TN	1678		300	18" by 76"
Coraglass Inc; Reform, AL	1910		300	U
D & S Tempered Glass; Dallas, TX	1655		900	U
Downey Glass Co; Los Angeles, CA	630		250	U
Efco Corp; Monett, MO	1901		100	U
Floral Glass & Mirror; Hauppauge, NY	1547		400	U
Free State Glass Industries; Warrenton, VA	1591		100	U
Gemtron Corp; Sweetwater, TN	1201		300	U
The Glass Factory; Ronkonkoma, NY	1459		400	U
Glasstemp, Inc.; Bensenville, IL	1381		200	U
Guardian Fabrication; Millbury, OH	1576	ANSI ONLY	200	U
Guardian Fabrication; Rogers, AR	1356	ANSI ONLY	900	U
Guardian Fabrication; Webster, MA	1216	ANSI ONLY	400	U
Guardian Industries; Carleton, MI	631	ANSI ONLY	200	U
Guardian Industries; Corsicana, TX	1250	ANSI ONLY	900	U
Guardian Industries; Fort Lauderdale, FL	633	ANSI ONLY	600	U
Guardian Industries; Kingsburg, CA	970	ANSI ONLY	900	U
Guardian Industries; Richburg, SC	1632	ANSI ONLY	300	U
Guardian Inds Corp-Jamestown; Falconer, NY	1545	ANSI ONLY	200	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1628	ANSI ONLY	400	U
Hamilton Glass Products; Vincennes, IN	1200		200	U
Hankuk Glass Ind; Seoul, Korea	1480	ANSI ONLY	250	U
Hoffer's, Inc.; Schofield, WI	1596		400	U
Interpane Spectrum Inc; Clinton, NC	1073		600	U
Kuhl Glass Corp; Saginaw, MI	1738		200	U
Laminated Glass Corp; Telford, PA	1878		400	U
Libbey-Owens-Ford Co; Ottawa, IL	1815		800	U
Marvin Windows; Warroad, MN	1690		400	U
Nashville Tempered Glass; Nashville, TN	1467		200	U
Northwest Aluminum Products; Yakima, WA	1800		750	U
Northwestern Industries; Seattle, WA	1638		750	U
Perilstein Distributing Corp; Cheswick, PA	1785		400	U
PPG Industries; Carlisle, PA	249		400	U
PPG Industries; Fresno, CA	64		250	U
PPG Industries; Burlington, IA	1603		800	U
PPG Industries; Wichita Falls, TX	1112		900	U
Shaw Glass Co Inc; South Easton, MA	1871		400	U
Sterling Plumbing Group; Malvern, AR	1869		600	U
Sunbelt Glass, Inc; Tulsa, OK	1454		900	U
Swift Glass Co., Inc.; Elmira Heights, NY	1556		400	U
Taylor Products, Inc.; Payne, OH	1588		400	U
Tempered Glass, Inc; Austell, GA	862		300	U
Tempglass, Inc; Perrysburg, OH	592		200	U
Tempglass Miami; Miami, FL	1744		600	U
Tempglass Southern, Inc; Grand Prairie, TX	1219		900	U
Tempglass Western Inc; Fremont, CA	1897		950	U
TRACO (Three Rivers Alum.); Warrendale, PA	1310		100	U
U S Precision Glass; Elgin, IL	1371		200	U
U S Precision Glass; Jefferson, TX	1286		900	U
U S Precision Glass; Lewisburg, OH	185		200	U
Viracon, Inc; Owatonna, MN	1403		75	U
Virginia Glass Products; Martinsville, VA	12		600	U

1/4 inch tempered transparent glass

ACI Glass; Greensboro, NC	1643		300	U
---------------------------	------	--	-----	---

	<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued			
1/4 inch tempered transparent glass - continued			
ACI Glass Products Inc; Dallas, TX	402	900	U
ACI Glass Products; Santa Clara, CA	1496	250	U
ACI Glass; Santa Fe Springs, CA	1535	250	U
AFG Industries; Bridgeport, WV	1794	400	U
AFG Industries; Greenland, TN	89	300	U
AFG Industries; Kingsport, TN	24	300	U
AFG Industries Inc; Spring Hill, KS	1705	800	U
AFG Glass Inc; Concord, Ontario, Canada	1489	400	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA	1756	400	U
American Flat GLass Dist; Alvarado, TX	1710	900	U
American Flat Glass Distrib; Fall River, MA	1520	400	U
American Flat Glass Distrib; Marietta, GA	1231	300	U
Anglass Industries; San Fernando, CA	1000	ANSI ONLY 250	U
Arch Aluminum & Glass Co; Austell, GA	1767	ANSI ONLY 300	U
Arch Tempered Glass; Orlando, FL	1528	ANSI ONLY 600	U
Cameron Glass Inc; Broken Arrow, OK	1780	900	U
Canadian Insul-Glass Corp; Ontario, CANADA	1875	400	U
Cardinal IG; Greenfield, IA	1830	CPSC ONLY 800	U
Cardinal IG; Spring Green, WI	1834	CPSC ONLY 800	U
Cardinal TG; Tomah, WI	1807	CPSC ONLY 800	U
Colonial Mirror & Glass Corp; Brooklyn, NY	1847	400	U
Commercial Insulating Glass Co; Sarasota, FL	1891	600	31" by 76"
Contour Industries; Surgoinsville, TN	1677	300	18" by 76"
Coraglass Inc; Reform, AL	1911	300	U
D & S Tempered Glass; Dallas, TX	1656	900	U
Donnelly Corp; Holland, MI	1688	400	30" by 76"
Downey Glass Co; Los Angeles, CA	514	250	U
Efco Corp; Monett, MO	1902	100	U
Floral Glass & Mirror; Hauppauge, NY	1548	400	U
Free State Glass Industries; Warrenton, VA	1592	100	U
Gemtron Corp; Sweetwater, TN	1477	300	U
The Glass Factory; Ronkonkoma, NY	1460	400	U
Glasstemp, Inc.; Bensenville, IL	1382	200	U
Guardian Fabrication; Millbury, OH	1577	ANSI ONLY 200	U
Guardian Fabrication; Rogers, AR	1357	ANSI ONLY 900	U
Guardian Fabrication; Webster, MA	662	ANSI ONLY 400	U
Guardian Industries; Carleton, MI	131	ANSI ONLY 200	U
Guardian Industries; Corsicana, TX	1251	ANSI ONLY 900	U
Guardian Industries; Fort Lauderdale, FL	40	ANSI ONLY 600	U
Guardian Industries; Kingsburg, CA	971	ANSI ONLY 900	U
Guardian Industries; Richburg, SC	1633	ANSI ONLY 300	U
Guardian Inds Corp-Jamestown; Falconer, NY	709	ANSI ONLY 200	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1629	ANSI ONLY 400	U
Hamilton Glass Products; Vincennes, IN	57	200	U
Hankuk Glass Ind; Seoul, Korea	1413	ANSI ONLY 250	U
Hoffer's, Inc.; Schofield, WI	1597	400	U
Interpane Spectrum Inc; Clinton, NC	1074	600	U
Kuhl Glass Corp; Saginaw, MI	1739	200	U
Laminated Glass Corp; Telford, PA	1879	400	U
Libbey-Owens-Ford Co; Ottawa, IL	1816	800	U
Marvin Windows; Warroad, MN	1691	400	U
Milgard Tempering Inc; Tacoma, WA	1578	750	U
Nashville Tempered Glass; Nashville, TN	1417	200	U
Northwest Aluminum Products; Yakima, WA	1801	750	U
Northwestern Industries; Seattle, WA	1639	750	U
Perilstein Distributing Corp; Cheswick, PA	1786	400	U
PPG Industries; Carlisle, PA	382	ANSI ONLY 400	U
PPG Industries; Burlington, IA	1604	800	U
PPG Industries; Wichita Falls, TX	1113	ANSI ONLY 900	U
Shaw Glass Co Inc; South Easton, MA	1035	400	U
Sterling Plumbing Group; Malvern, AR	1762	600	U
Sunbelt Glass, Inc; Tulsa, OK	1455	900	U
Swift Glass Co., Inc.; Elmira Heights, NY	1557	400	U
Taylor Products, Inc.; Payne, OH	1589	400	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued				
1/4 inch tempered transparent glass - continued				
Temp-Tech Industries, Inc; Chicago, IL	986		200	U
Tempered Glass, Inc; Austell, GA	863		300	U
Temperit AG; Switzerland	1856		400	U
Tempglass, Inc; Perrysburg, OH	1420		200	U
Tempglass Miami; Miami, FL	1745		600	U
Tempglass Southern, Inc; Grand Prairie, TX	1044		900	U
Tempglass Western Inc; Fremont, CA	1898		950	U
TRACO (Three Rivers Alum.); Warrendale, PA	1311		100	U
U S Precision Glass; Elgin, IL	1372		200	U
U S Precision Glass; Jefferson, TX	1287		900	U
U S Precision Glass; Lewisburg, OH	186		200	U
Viracon, Inc; Owatonna, MN	1404		75	U
Virginia Glass Products; Martinsville, VA	14		600	U
5/16 inch tempered transparent glass				
Guardian Industries; Corsicana, TX	1826	ANSI ONLY	900	U
Hankuk Glass Ind; Seoul, Korea	1481	ANSI ONLY	250	U
Interpane Spectrum Inc; Clinton, NC	1075		600	U
3/8 inch tempered transparent glass				
ACI Glass; Greensboro, NC	1644		300	U
ACI Glass Products Inc; Dallas, TX	1107	ANSI ONLY	900	U
ACI Glass Products; Santa Clara, CA	1497		250	U
ACI Glass; Santa Fe Springs, CA	1179		250	U
AFG Industries; Greenland, TN	90		300	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA	1757		400	U
American Flat GLass Dist; Alvarado, TX	1711		900	U
American Flat Glass Distrib; Fall River, MA	1521		400	U
American Flat Glass Distrib; Marietta, GA	1232		300	U
Arch Aluminum & Glass Co; Austell, GA	1768	ANSI ONLY	300	U
Arch Tempered Glass; Orlando, FL	1895	ANSI ONLY	600	U
Colonial Mirror & Glass Corp; Brooklyn, NY	1848		400	U
D & S Tempered Glass; Dallas, TX	1657		900	U
Downey Glass Co; Los Angeles, CA	515		250	U
Floral Glass & Mirror; Hauppauge, NY	1549		400	U
Free State Glass Industries; Warrenton, VA	1593		100	U
Glasstemp, Inc.; Bensenville, IL	1383		200	U
Guardian Fabrication; Webster, MA	471	ANSI ONLY	400	U
Guardian Industries; Corsicana, TX	1253	ANSI ONLY	900	U
Guardian Industries; Richburg, SC	1634	ANSI ONLY	300	U
Guardian Inds Corp-Jamestown; Falconer, NY	1280	ANSI ONLY	200	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1867	ANSI ONLY	400	U
Hankuk Glass Ind; Seoul, Korea	1482	ANSI ONLY	250	U
Hoffer's, Inc.; Schofield, WI	1796		400	U
Interpane Spectrum Inc; Clinton, NC	1076		600	U
Kuhl Glass Corp; Saginaw, MI	1740		200	U
Laminated Glass Corp; Telford, PA	1880		400	U
Perilstein Distributing Corp; Cheswick, PA	1787		400	U
Shaw Glass Co Inc; South Easton, MA	1036		400	U
Sunbelt Glass, Inc; Tulsa, OK	1456		900	U
Swift Glass Co., Inc.; Elmira Heights, NY	1558		400	U
Taylor Products, Inc.; Payne, OH	1598		400	U
Tempered Glass, Inc; Austell, GA	865		300	U
Tempglass, Inc; Perrysburg, OH	594		200	U
Tempglass Miami; Miami, FL	1746		600	U
Tempglass Southern, Inc; Grand Prairie, TX	1045		900	U
Tempglass Western Inc; Fremont, CA	1899		950	U
U S Precision Glass; Elgin, IL	1854		200	U
Viracon, Inc; Owatonna, MN	1508		75	U
Virginia Glass Products; Martinsville, VA	93		600	U
1/2 inch tempered transparent glass				
ACI Glass; Greensboro, NC	1645		300	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED TRANSPARENT GLASS - continued				
1/2 inch tempered transparent glass - continued				
ACI Glass Products Inc; Dallas, TX	1108	ANSI ONLY	900	U
ACI Glass Products; Santa Clara, CA	1498		250	U
ACI Glass; Santa Fe Springs, CA	640		250	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA	1758		400	U
American Flat Glass Dist; Alvarado, TX	1712		900	U
American Flat Glass Distrib; Fall River, MA	1522		400	U
American Flat Glass Distrib; Marietta, GA	1406		300	U
Arch Aluminum & Glass Co; Austell, GA	1769	ANSI ONLY	300	U
Arch Tempered Glass; Orlando, FL	1530	ANSI ONLY	600	U
Colonial Mirror & Glass Corp; Brooklyn, NY	1849		400	U
D & S Tempered Glass; Dallas, TX	1658		900	U
Downey Glass Co; Los Angeles, CA	516		250	U
Floral Glass & Mirror; Hauppauge, NY	1550		400	U
Free State Glass Industries; Warrenton, VA	1594		100	U
The Glass Factory; Ronkonkoma, NY	1461		400	U
Glasstemp, Inc.; Bensenville, IL	1384		200	U
Guardian Fabrication; Webster, MA	1235	ANSI ONLY	400	U
Guardian Industries; Corsicana, TX	1803	ANSI ONLY	900	U
Guardian Inds Corp-Jamestown; Falconer, NY	711	ANSI ONLY	200	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1868	ANSI ONLY	400	U
Hankuk Glass Ind; Seoul, Korea	1483	ANSI ONLY	250	U
Hoffer's, Inc.; Schofield, WI	1797		400	U
Interpane Spectrum Inc; Clinton, NC	1077		600	U
Kuhl Glass Corp; Saginaw, MI	1741		200	U
Laminated Glass Corp; Telford, PA	1881		400	U
Perilstein Distributing Corp; Cheswick, PA	1788		400	U
Shaw Glass Co Inc; South Easton, MA	1037		400	U
Sunbelt Glass, Inc; Tulsa, OK	1457		900	U
Swift Glass Co., Inc.; Elmira Heights, NY	1559		400	U
Tempered Glass, Inc; Austell, GA	866		300	U
Tempglass, Inc; Perrysburg, OH	595		200	U
Tempglass Miami; Miami, FL	1747		600	U
Tempglass Southern, Inc; Grand Prairie, TX	1046		900	U
Tempglass Western Inc; Fremont, CA	1900		950	U
Viracon, Inc; Owatonna, MN	1509		75	U
Virginia Glass Products; Martinsville, VA	94		600	U
5/8 inch tempered transparent glass				
Interpane Spectrum Inc; Clinton, NC	1716		600	U
3/4 inch tempered transparent glass				
ACI Glass Products Inc; Dallas, TX	1225	ANSI ONLY	900	U
All Team Glass & Mirror Ltd; Woodbridge, Ontario, CANADA	1782		400	U
Arch Tempered Glass; Orlando, FL	1835	ANSI ONLY	600	U
Floral Glass & Mirror; Hauppauge, NY	1551		400	U
Guardian Inds Corp-Jamestown; Falconer, NY	712	ANSI ONLY	200	U
Interpane Spectrum Inc; Clinton, NC	1718		600	U
Virginia Glass Products; Martinsville, VA	95		600	U
TEMPERED PATTERNED GLASS				
1/8 inch tempered patterned glass (shallow)				
ACI Glass; Santa Fe Springs, CA	1861		250	U
Arch Tempered Glass; Orlando, FL	1531	ANSI ONLY	600	U
Cardinal IG; Greenfield, IA	1841	CPSC ONLY	800	U
Cardinal IG; Spring Green, WI	1844	CPSC ONLY	800	34" by 60"
Commercial Insulating Glass Co; Sarasota, FL	1892		600	31" by 76"
Contour Industries; Surgoinsville, TN	1676		300	18" by 60"
D & S Tempered Glass; Dallas, TX	1659		900	U
Marvin Windows; Warroad, MN	1724		400	U
Northwest Aluminum Products; Yakima, WA	1802		750	U

	<u>SGCC NO.</u>	<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED PATTERNED GLASS - continued			
1/8 inch tempered patterned glass (shallow) - continued			
Perilstein Distributing Corp; Cheswick, PA	1789	400	U
Sterling Plumbing Group; Malvern, AR	1781	600	U
AFG Industries; Greenland, TN	587	300	U
Floral Glass & Mirror; Hauppauge, NY	1552	400	U
Gemtron Corp; Sweetwater, TN	1422	300	U
Guardian Fabrication; Rogers, AR	1358	ANSI ONLY 900	U
Guardian Industries; Corsicana, TX	1463	ANSI ONLY 900	U
Guardian Industries; Fort Lauderdale, FL	1665	ANSI ONLY 600	30" by 70"
Guardian Industries; Richburg, SC	1683	ANSI ONLY 300	U
1/8 inch tempered patterned glass (medium)			
AFG Industries; Kingsport, TN	1414	300	U
Downey Glass Co; Los Angeles, CA	1611	250	U
Guardian Industries; Kingsburg, CA	1303	ANSI ONLY 900	U
U S Precision Glass; Jefferson, TX	1388	ANSI ONLY 900	U
U S Precision Glass; Lewisburg, OH	654	ANSI ONLY 200	U
5/32 inch tempered patterned glass (shallow)			
American Flat Glass Dist; Alvarado, TX	1713	900	U
American Flat Glass Distrib; Fall River, MA	1524	400	U
American Flat Glass Distrib; Marietta, GA	1428	300	U
Arch Tempered Glass; Orlando, FL	1682	ANSI ONLY 600	U
Cardinal IG; Greenfield, IA	1842	CPSC ONLY 800	U
Cardinal IG; Spring Green, WI	1845	CPSC ONLY 800	U
Commercial Insulating Glass Co; Sarasota, FL	1893	600	31" by 76"
D & S Tempered Glass; Dallas, TX	1660	900	U
Gemtron Corp; Sweetwater, TN	1424	300	U
Guardian Fabrication; Rogers, AR	1359	ANSI ONLY 900	U
Guardian Industries; Corsicana, TX	1737	ANSI ONLY 900	U
Guardian Industries; Richburg, SC	1635	ANSI ONLY 300	U
Hamilton Glass Products; Vincennes, IN	1386	200	U
Sunbelt Glass, Inc; Tulsa, OK	1617	900	U
5/32 inch tempered patterned glass (medium)			
Guardian Industries; Kingsburg, CA	1301	ANSI ONLY 900	U
3/16 inch tempered patterned glass (shallow)			
AFG Industries; Greenland, TN	1139	300	U
AFG Industries; Kingsport, TN	1143	300	U
American Flat Glass Distrib; Fall River, MA	1523	400	U
American Flat Glass Distrib; Marietta, GA	1415	300	U
Arch Tempered Glass; Orlando, FL	1562	ANSI ONLY 600	U
Commercial Insulating Glass Co; Sarasota, FL	1894	600	31" by 76"
D & S Tempered Glass; Dallas, TX	1661	900	U
Downey Glass Co; Los Angeles, CA	935	250	U
Guardian Industries; Fort Lauderdale, FL	1318	ANSI ONLY 600	U
Guardian Industries; Kingsburg, CA	1304	ANSI ONLY 900	U
Guardian Industries; Richburg, SC	1865	ANSI ONLY 300	U
Hamilton Glass Products; Vincennes, IN	1387	200	U
Shaw Glass Co Inc; South Easton, MA	1299	400	U
Sunbelt Glass, Inc; Tulsa, OK	1618	900	U
U S Precision Glass; Lewisburg, OH	188	ANSI ONLY 200	U
Virginia Glass Products; Martinsville, VA	1275	600	U
3/16 inch tempered patterned glass (deep)			
Guardian Fabrication; Rogers, AR	1394	ANSI ONLY 900	U
U S Precision Glass; Lewisburg, OH	328	ANSI ONLY 200	U
3/16 inch tempered patterned glass (shallow)			
ACI Glass Products Inc; Dallas, TX	1728	ANSI ONLY 900	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
TEMPERED PATTERNED GLASS - continued				
3/16 inch tempered patterned glass (shallow) - continued				
American Flat Glass Dist; Alvarado, TX	1714		900	U
Cardinal IG; Greenfield, IA	1843	CPSC ONLY	800	U
Cardinal IG; Spring Green, WI	1846	CPSC ONLY	800	U
Hoffer's, Inc.; Schofield, WI	1798		400	U
Marvin Windows; Warroad, MN	1701		400	U
Sterling Plumbing Group; Malvern, AR	1863		600	U
3/16 inch tempered patterned glass (medium)				
Kuhl Glass Corp; Saginaw, MI	1783		200	U
7/32 inch tempered patterned glass (shallow)				
ACI Glass Products; Santa Clara, CA	1495		250	U
Downey Glass Co; Los Angeles, CA	678		250	U
Floral Glass & Mirror; Hauppauge, NY	1553		400	U
Guardian Industries; Corsicana, TX	1464	ANSI ONLY	900	U
U S Precision Glass; Lewisburg, OH	562	ANSI ONLY	200	U
1/4 inch tempered patterned glass (shallow)				
Guardian Industries; Kingsburg, CA	1882	ANSI ONLY	900	U
3/16 inch tempered patterned glass				
Efco Corp; Monett, MO	1903		100	
Perilstein Distributing Corp; Cheswick, PA	1790		400	U
SAFETY PLASTIC SHEET				
.080 inch through 0.125 inch acrylic				
Flex-O-Glass, Inc; Dixon, IL	118		600	U
TEMPERED BENT GLASS				
5/32 inch Tempered Bent Glass				
Ardco, Inc; Chicago, IL	1563		400	U
3/16 inch Tempered Bent Glass				
Ardco, Inc; Chicago, IL	1564		400	U
Glasstemp, Inc.; Bensenville, IL	1808		200	U
1/4 inch Tempered Bent Glass				
Ardco, Inc; Chicago, IL	1565		400	U
Glasstemp, Inc.; Bensenville, IL	1809		200	U
Sovis S A; France	1864		400	U
3/8 inch Tempered Bent Glass				
Glasstemp, Inc.; Bensenville, IL	1536		200	U
1/2 inch Tempered Bent Glass				
Glasstemp, Inc.; Bensenville, IL	1533		200	U
LAMINATED TRANSPARENT-BUTYRAL				
5/32 inch laminated transparent-butyrat				
Guardian Inds Corp-Lewistown; Lewistown, PA	1886	ANSI ONLY	400	U

	<u>SGCC NO.</u>		<u>LAB ID</u>	<u>MAX. SIZE CERTIFIED</u>
LAMINATED TRANSPARENT-BUTYRAL - continued				
3/16 inch laminated transparent-butyral				
Northwestern Industries; Seattle, WA	1640		750	U
Pan Lam Industries; Bothell, WA	1647		750	U
Viracon, Inc; Owatonna, MN	1637		75	U
7/32 inch laminated transparent-butyral				
Guardian Industries; Upper Sandusky, OH	458	ANSI ONLY	200	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1282	ANSI ONLY	400	U
American Flat Glass Distrib; Marietta, GA	1810		300	U
Mirror Factory Inc; Plymouth, MN	1915		400	U
Sumitec, Inc.; Benton Harbor, MI	1441		200	U
1/4 inch laminated transparent-butyral				
American Flat Glass Distrib; Marietta, GA	1706		300	U
Globe-Amerada; Selma, AL	1668		400	U
Guardian Industries; Upper Sandusky, OH	487	ANSI ONLY	200	U
Guardian Inds Corp-Lewistown; Lewistown, PA	1284	ANSI ONLY	400	U
Laminated Glass Corp; Telford, PA	1652		400	U
Macdonald Mirror; Brampton, Ontario, CANADA	1651		400	U
Mirror Factory Inc; Plymouth, MN	1916		400	U
3/8 inch laminated transparent-butyral				
Guardian Inds Corp-Lewistown; Lewistown, PA	1315	ANSI ONLY	400	U
1/2 inch laminated transparent-butyral				
Guardian Inds Corp-Lewistown; Lewistown, PA	1316	ANSI ONLY	400	U
Sumitec, Inc.; Benton Harbor, MI	1699		200	U
Tempglass Southern, Inc; Grand Prairie, TX	1649		900	U
LAMINATED TRANSPARENT-RESIN				
9/32 inch laminated transparent-resin				
Arch Tempered Glass; Orlando, FL	1855	ANSI ONLY	600	U
LAMINATED PATTERNED-BUTYRAL				
3/16 inch laminated patterned-butyral (shallow)				
Viracon, Inc; Owatonna, MN	1636		75	U
LAMINATED PATTERNED-LIQ RESIN				
1/4 inch laminated patterned-liq resin (shallow)				
Lyn Hovey Studio; Boston	1896		400	20" by 24"
ORGANIC COATED - HYBRID				
1/8 inch organic coated - hybrid				
Viracon, Inc; Owatonna, MN	1883		975	U
1/4 inch organic coated - hybrid				
Viracon, Inc; Owatonna, MN	1884		975	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 6206 A

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! DOT 183 M06
CAN 2 12.1 8G.

ACI GLASS PRODUCTS

750 Walsh Ave
Santa Clara CA 95050



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

ALL TEAM GLASS & MIRROR LTD

281 Hanlon Rd
Woodbridge Ontario L4L 3R7
CANADA

ACI GLASS PRODUCTS INC

9010 S Norwalk Blvd
Santa Fe Springs CA 90670

AMERICAN FLAT GLASS DIST

3200 Austell Rd
Marietta GA 30060

AFGD

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

ANGLASS INDS INC
12364 Gladstone Ave
San Fernando CA 91342



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

ARCH ALUMINUM & GLASS CO
1470 Dale Court
Austell GA 30001

CANADIAN INSUL-GLASS CORP
384 Exter Rd
London Ontario N6E 2Z4
CANADA

ARCH TEMPERED GLASS PRODUCTS
3320 Maggie Blvd
Orlando FL 32811

CARDINAL IG
Iowa 25 N
PO Box 99
Greenfield IA 50849

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

ARDCO INC
12400 S Laramie Ave
Chicago IL 60658

CARDINAL IG
1011 E Madison St
Spring Green WI 53588

Ardco TemperBent

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

CARDINAL TG

1601 Rusch St
Tomah WI 54660

CORAGLASS INC

Hwy 17 S
Reform AL 35481

COLONIAL MIRROR & GLASS CORP

35 Kent Ave
Brooklyn NY 11232

D & S TEMPERED GLASS

2531 Royal Ln Suite 505
Dallas TX 75229

COMMERCIAL INSULATING GLASS CO

1155 Porter Rd
Sarasota FL 34240

DONNELLY CORP

414 E 40th St
Holland MI 49423-5368

CONTOUR INDUSTRIES INC

Phipps Bend Rd
PO Box 69
Surgoinsville TN 37873

DOWNEY GLASS CO

5631 Ferguson Dr
Los Angeles CA 90022

ful-temp



SGCC-603 .125U
ANSI-Z97.1 1984
16 CFR 1201 II
SGCC - 805

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

Warp's®
FLEX-O-GLAZE™
ACRYLIC SAFETY GLAZING
16 CFR 1201 CII 1000
ANSI Z97.1-84 SGCC-118

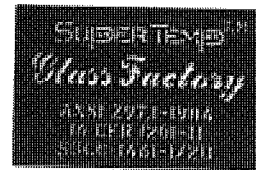
GEMTRON CORP
New Highway 68
PO Box 416
Sweetwater TN 37874

TEMPERED
16CFR 1201 CII
ANSI Z97.1-1984
3/16 U • SGCC-1201/1202
GEMTRON 131 1985

FLORAL GLASS & MIRROR INC
895 Motor Pkwy
Hauppauge NY 11788

TemPLUS
FLORAL GLASS & MIRROR
TEMPERED SAFETY GLASS
ANSI Z97.1 1984
16 CFR 1201-I-II
SGCC-1553 7/32 U

GLASS FACTORY INC
5012 Expressway Dr S
Ronkonkoma NY 11779



FOUR SEASONS SOLAR PRODUCTS
5005 Veterans Memorial Hwy
Holbrook NY 11741

FOUR SEASONS
TEMPERED
SAFETY GLASS
16 CFR 1201-C II
ANSI Z97.1-1984
SGCC-1791-1780

GLASSTEMP INC
1001 Foster Ave
Bensenville IL 60106

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


FREE STATE GLASS INDS
Rt 6
PO Box 302
Warrenton VA 22186


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

GLOBE-AMERADA GLASS CO (ASSURANCE)
2001 Greenleaf Ave
Elk Grove Village IL 60007


LAMINATED SAFETY GLASS
SGCC-1668 A G C .218 U
ANSI Z97.1-1984
16 CFR 1201 C II
AS1
90


GUARDIAN FABRICATION INC
43043 W Nine Mile Rd
Northville MI 48167

 **GUARDIAN**
ROGERS, AR.
TEMPERED
ANSI Z97.1-1984
SGCC 1618 5/32U

16 CFR 1201 II


GUARDIAN INDUSTRIES CORP
43043 W Nine Mile Rd
Northville MI 48167


 **GUARDIAN**
RICHBURG, S.C.
ANSI Z97.1-1984
SAFETY TEMPERED
SGCC 1630 1/8U

16 CFR 1201 II
02 09 

HAMILTON GLASS PRODUCTS INC
2000 Chestnut St
PO Box 317
Vincennes IN 47591

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

HANKUK GLASS INDUSTRIES INC
451 Yeo Ui Do-Dong
Young Deung Po-Ku
Seoul KOREA 150

 **HANK GLAS**
HANKUK GLASS
SAFETY III-6
ANSI Z97.1-1984
SGCC1413 1/4U


HOFFER'S INC
Glass Fabricating Div
5103 Janice Ave
Schofield WI 54476

H-I-T
TEMPERED GLASS
ANSI Z97.1-1984
16CFR 1201 CII
SGCC 1595 1/8

INTERPANE SPECTRUM INC
E Railroad St
PO Box 408
Clinton NC 28328

KUHL GLASS CORP
dba/ Thermaglas Corp
1930 S 23rd St
PO Box 1426
Saginaw MI 48605

LAMINATED GLASS CORP
375 E Church Ave
PO Box 1003
Telford PA 18969-1003

 **LAMINATED SAFETY GLASS**
16 CFR 1201 - E /ANSI-Z97.1-1984
SGCC 1682 1/4 U

AS-1, M-21, DOT 33

LIBBEY-OWENS-FORD CO

Center & 20th St
PO Box 578
Ottawa IL 61350

MILGARD TEMPERING INC

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



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

LYN HOVEY STUDIO

21 Drydock Ave
Boston MA 02210

MIRROR FACTORY INC

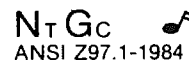
12725 16th Ave N
Plymouth MN 55441

MACDONALD MIRROR INC

1195 Clark Blvd
Brampton Ontario L6T 3W4
CANADA

NASHVILLE TEMPERED GLASS CORP

1860 Air Lane Dr
Nashville TN 37210



ANSI Z97.1-1984
16 CFR 1201 CII
SGCC 1416 1/8" U

DOT 359 AS 2

MARVIN WINDOWS

PO Box 100 Hwy 11 W
Warroad MN 56763

NORTHWEST ALUMINUM PRODUCTS INC

1015 E Lincoln
Yakima WA 98907

NORTHWESTERN INDS INC

2501 W Commodore Way
Seattle WA 98199

TEMPERED-
SAFTY GLASS



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

SHAW GLASS CO INC

55 Bristol Dr
S Easton MA 02375

SOLAR TEMP.
16 CFR 1201 11

ANSI Z 97.1- 1984
1/4 U SGCC 1035

PAN LAM INDS

1706 196th S E
Bothell WA 98012

SOVIS S A

c/o Euroglas Glasrep Corp
123 Main St
Ste 920
White Plains NY 10601

PERILSTEIN DISTRIBUTING CORP

100 Business Center Dr
Cheswick PA 15024

STERLING PLUMBING GROUP

1215 Industrial Lane
Malvern AR 72104

PPG INDS INC

PO Box 11390
Harmarville PA 15238

PPG HERCULITE K
TEMPERED SAFETY GLASS
16CFR1201 CII
.....
ANSI Z-97.1-1984 1/4U
SGCC-382 6 022585

SUMITEC INC

470 N Paw Paw Ave
PO Box 188
Benton Harbor MI 49022

SUMITEC INC.
SGCC 1699
1/2 U
ANSI Z97.1
1984
16 CFR 1201-CII

SUNBELT GLASS INC
8531 E 44th St
Tulsa OK 74145

TEMPERED GLASS INC
7160 Delta Circle
Austell GA 30001

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

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

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

TEMPERIT AG
c/o O'Keeffe's Inc
75 Williams Ave
San Francisco CA 94124

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

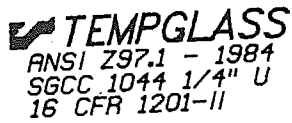
TEMPGLASS INC
Ampoint
291 M St
Perrysburg OH 43551

TEMPGLASS, INC.
16 CFR 1201 CII
ANSI Z97.1 - 1984
SGCC 1420
1/4 - U (1)

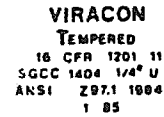
TEMP-TECH INDS INC
6166 S Sayre
Chicago IL 60638

TEMPGLASS MIAMI
17851 N W Miami Court
Miami FL 33169

TEMPGLASS SOUTHERN INC
1101 Fountain Pkwy
Grand Prairie TX 75050

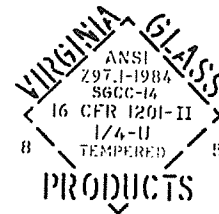


VIRACON INC
800 Park Dr
PO Box 248
Owatonna MN 55060



TEMPGLASS WESTERN INC
48999 Kato Rd
Fremont CA 94539

VIRGINIA GLASS PRODUCTS CORP
PO Box 5431
Martinsville VA 24115



TRACO (THREE RIVERS ALUM)
Cranberry Industrial Pk
PO Box 805
Warrendale PA 15095



U S PRECISION GLASS
1900 Holmes Rd
Elgin IL 60123

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

Copies of ANSI Z97.1-1984 may be obtained from:

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

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

Copies of 16 CFR 1201 may be obtained from:

Consumer Products Safety Commission
5401 Westbard Avenue
Bethesda, MD 20016



safety glazing certification council

INDUSTRIAL PARK • 3933 US ROUTE 11
P.O. BOX 2040
CORTLAND, N.Y. 13045-0950
PHONE 607-753-6711
FAX 607-756-9891

Additional SGCC Certified Products Directories are available from the SGCC office for \$3.00/copy. A check or money order must accompany each order and be made payable to SGCC

* * * * *

SGCC DIRECTORY ORDER FORM

PLEASE SEND . . . _____ copies of SGCC Certified Products Directory at \$3.00/copy = _____ to:

Name		

Company		

Address		

City	State	Zip Code

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

75	Architectural Testing Inc 587 First St S W New Brighton MN 55112 Attention: Mr Daniel P Braun Telephone: 612-636-3835	600	Miami Testing Laboratory Inc 1640 W 32nd Pl Hialeah FL 33012 Attention: Mr James W Bailey Telephone: 305-822-1141
100	Architectural Testing Inc 130 Derry Ct York PA 17402-9405 Attention: Mr David Moyer Telephone: 717-764-7700	750	Pacific Inspection & Research Laboratory 4076-148th Ave N E Redmond WA 98052 Attention: Mr Ronald Carlson Telephone: 206-881-7668
200	Bowser-Morner Inc 4518 Taylorsville Rd PO Box 51 Dayton OH 45424 Attention: Mr Robert J Rosencrans Telephone: 513-236-8805	800	Patzig Testing Laboratories Co Inc 3922 Delaware Ave Des Moines IA 50313 Attention: Mr Carl C Andreasen S E T Telephone: 515-266-5101
250	Construction Consulting Laboratory Inc Western Division 4751 W State St Ste E Ontario CA 91762 Attention: Mr Ray Charland Telephone: 919-591-1789	900	Southwestern Laboratories Inc 2200 Gravel Dr Ft Worth TX 76118-7123 Attention: Mr Kemp E Akeman P E Telephone: 817-284-7755
300	ETL Testing Laboratories Inc 4317-A Park Dr N W Norcross GA 30093 Attention: Mr William Penue1 Telephone: 404-925-2444	950	Warnock Hersey International Inc 530 Garcia Ave Pittsburg CA 94565 Attention: Mr Vijay G Ruikar, P E Telephone: 510-432-7344
400	ETL Testing Laboratories Inc Ind Pk 3933 US Route 11 Cortland NY 13045-0950 Attention: Mr Kenneston R Bleck Telephone: 607-753-6711	975	Warnock Hersey International Inc 8431 Murphy Dr PO Box 735 Middleton WI 53562 Attention: Frederick D Curkeet P E Telephone: 608-836-4400

NOTE: The ID of the laboratory used for testing of each product is provided in the Certified Products - by Product Type section of this directory.



safety glazing certification council

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

ADDRESS CORRECTION REQUESTED

**POSTAGE MUST BE
AFFIXED HERE**

<p>U. S. POSTAGE PAID BULK RATE PERMIT NO. 588 BINGHAMTON, N.Y.</p>
--

**IF NOT MAILED IN
BINGHAMTON, NEW YORK**