

JULY 1, 1981



safety glazing certification council

certified products directory
safety glazing material used in buildings

TABLE OF CONTENTS

Meetings this year	page 4	
Participants without a certified product	page 4	
Roster	page 5	
Board of Directors	page 6	
Pattern Glass Classification	page 7	
July 1, 1981 Update	page 8	(ANSI)
Program Concept	page 9	(ANSI)
Certified Products (Numerically)	page 10	(ANSI)
Certified Products (By Plant)	page 12	(ANSI)
Certified Products (By Product)	page 21	(ANSI)
SGCC Label Requirements	page 29	(ANSI)
Licensees and their typical labels	page 30	(ANSI)
SGCC Approved Laboratories	page 36	(ANSI)
Procedural Guide	page 37	(ANSI)
Guidelines for Certification	page 42	(ANSI)
ANSI Z97.1-1975	page 46	(ANSI)

Program Concept	page 1	(CPSC)
Certified Products (Numerically)	page 2	(CPSC)
Certified Products (By Plant)	page 4	(CPSC)
Certified Products (By Product)	page 11	(CPSC)
SGCC Label Requirements	page 16	(CPSC)
Licensees and their typical labels	page 17	(CPSC)
SGCC Approved Laboratories	page 22	(CPSC)
16 CFR 1201	page 22	(CPSC)
Procedural Guide	page 23	(CPSC)
Guidelines for Certification	page 28	(CPSC)
July 1, 1981 Update	page 32	(CPSC)

MEETINGS OF THE CERTIFICATION COMMITTEE

The Certification Committee of the Safety Glazing Certification Council met on April 8 and 9, 1981. Interested persons may obtain minutes of this meeting by writing to the Safety Glazing Certification Council.

* * * * *

Certification in this directory is up-to-date as of July 1, 1981; however, products may be certified or certification removed from time to time. Please contact the SGCC office for the latest up-to-date information.

Requests for future copies of this directory, or any questions or comments should be directed to:

Mr. Robert A. Nance, P. E.
Administrative Manager
Safety Glazing Certification Council
1640 West 32 Place
Hialeah, Florida 33012

Telephone 305-558-1352

* * * * *

SGCC PARTICIPANTS WITHOUT A CERTIFIED PRODUCT

Mr. Henry S. Byrne
Mobay Chemical Company
Penn Lincoln Parkway West
Pittsburgh, Pennsylvania 15205

Dr. George L. Graf, Jr.
Plastic Safety Glazing Committee
c/o E.I. Dupont de Nemours and Company
Plastics Products and Resins Department
Chestnut Run
Wilmington, Delaware 19898

Mr. Barry Skolnick
Saxon Industries
Cranbury, New Jersey 08512

Mr. Caryl E. Twitchell
3M Company
3M Center
Building 230-BC8
St. Paul, Minnesota 55101

Mr. Robert J. Weis
Ferro Corporation
60 Greenway Drive
Pittsburgh, Pennsylvania 15204

ROSTER

April 1981

SGCC BOARD OF DIRECTORS

Representing Public Interest

Mrs. Jean Cornwell, Consumer
Phil Dykstra, National Safety Council
Richard C. Elstner, Wiss, Janney, Elstner
Mrs. Sylvia Lav, Consumer
Joseph E. Minor, Texas Tech University
Orville L. Pierson, Consumer

Representing Industry

Irvin D. Fintel, Tempglass, Inc.
Robert D. Lauter, Tuf-flex Glass
Richard T. McGuire, PPG Industries, Inc.
Richard L. Morrison, Ford Motor Company
Donald J. Vild, Libbey-Owens-Ford Company
Leigh T. Yates, Falconer Glass Industries

SGCC Officers

Robert D. Lauter, President
Irvin D. Fintel, First Vice President
Orville L. Pierson, Second Vice President
Joseph E. Minor, Secretary
Leigh T. Yates, Assistant Secretary
Mrs. Jean Cornwell, Treasurer

Honorary Non-voting Member:
Norman Nitschke, Glasstech, Inc.

SGCC CERTIFICATION COMMITTEE

Pieter Knorr, Chairman
Richard T. McGuire, Vice-Chairman

Licensee

AFG Industries, Inc.
Ardco, Inc.
C-E Glass
Canadian Pittsburgh Industries, Inc.
Central Glass Company, Ltd.
Chromalloy-Safetee Glass Division
Downey Glass Company, Inc.
Falconer Glass Industries, Inc.
Feather-lite Manufacturing, Inc.
Flex-O-Glass, Inc.
Ford Motor Company
Guardian Industries Corporation
Hamilton Glass Products, Inc.
LOF Glass, Inc.
Northwestern Industries, Inc.
Ohio Plate Glass Company
PPG Industries, Inc.
Rotuba Extruders, Inc.
Safelite Industries
Sheffield Plastics, Inc.
Tempered Glass Corporation
Tempglass, Inc.
Tempglass Western, Inc.
Temp-Safe, Inc.
Temp-Tech Industries, Inc.
Texas Tempered Glass Company
Tuf-flex Glass
Virginia Glass Products Corporation

Primary Member

William C. Cooke
Andrew G. Menke
Pieter Knorr
D.A. Clark
Shinichiro Furuno
Earle D. Moiles
Jim Pinsky
Richard E. Turner
Avery C. Fried
Harold G. Warp
Richard L. Morrison
Henry A. Gorry
Robert A. Moss
Donald J. Vild
Norman G. Heutmacker
Gene Gilbert
Richard T. McGuire
Albert M. Bell
Gary Harris
Thomas Kradel
Paul F. Tumey
Irvin D. Fintel
Robert B. Cobie
Lewis E. Hunt, Jr.
Bart Semeraro
Hugh France
Robert D. Lauter
Robert L. Brown

First Alternate

Billie G. Nichols

Robert W. Hickey
W.C. Clanahan
Takayoshi Sakaida
Steve Zabetakis
Bernard Puttler
Leigh T. Yates

Delbert Christensen
C. D. Goodman
Pat Weatherholt
Gary L. Tate
Samuel E. Baldwin
Timothy J. McQuade
John Barr
Charles R. Sutermeister
Eugene E. Drood
Robert Avers
Bernard W. Brooks
Howard Bienenfeld
Robert Nitschke

Thomas D. Boicey
Donald J. Vild
Brooks R. Leavitt

Second Alternate

C.J. Youngblood
Richard T. McGuire

Joseph D. Pinsky
Richard H. Turner

Terry Baker
Ronald Purdue
A. William Lingnell, III

Robert G. Spindler

David P. Moorhead

Edward Mullery
A.P. Stillman

Members by virtue of being a director:

Consumer
National Safety Council
Wiss, Janney, Elstner
Consumer
Texas Tech University
Glasstech, Inc.
Consumer

Mrs. Jean Cornwell
Phil Dykstra
Richard C. Elstner
Mrs. Sylvia Lav
Joseph E. Minor
Norman Nitschke
Orville L. Pierson

Members from those without certified products:

Ferro Corporation
Mobay
Plastic Safety Glazing Committee
Saxon Industries
Three M Company

Robert J. Weis
Henry S. Byrne
George L. Graf
Barry Skolnick
Caryl E. Twitchell

John Van Ness
Paul W. Mitchell
A.J. Bartosic
Felix Shaikevch
Louis F. Masonick
Samuel Steen, Esquire
Joseph B. Press, CPA
Robert A. Nance, P.E.
Richard W. Abels
Rose Goodwin
Jan Nance
Shirley Nelson

Joseph Martelli
Robert Siegler
G.A. Berger

Legal Counsel:

Auditor:

Administrative Manager:

Administrative Staff:

SGCC BOARD OF DIRECTORS

Representing Public Interest

Mrs. Jean Cornwell
Route 4; Swan Lake Road
Stockbridge, Georgia 30281
Telephone 404-633-1451

Mr. Phil Dykstra
National Safety Council
444 North Michigan Avenue
Chicago, Illinois 60611
Telephone 312-527-4800

Mr. Richard C. Elstner, S. E.
Wiss, Janney, Elstner and Associates, Inc.
Consulting and Research Engineers
P.O. Box 10130
Honolulu, Hawaii 96816
Telephone 808-732-3633

Mrs. Sylvia Lav
71 Southgate Circle
Massapequa Park, New York 11762
Telephone 516-798-6323

Dr. Joseph E. Minor, P.E.
Institute for Disaster Research
Texas Tech University
P.O. Box 4089
Lubbock, Texas 79409
Telephone 806-742-3476

Dr. Orville L. Pierson
2120 Village of Pennbrook
Levittown, Pennsylvania 19054
Telephone 215-547-2937

Representing Industry

Mr. Irvin D. Fintel
Tempglass, Inc.
Willis Day Industrial Park
291 M Street
Perrysburg, Ohio 43551
Telephone 419-666-2000

Mr. Robert D. Lauter
Libbey-Owens-Ford Company
811 Madison Avenue
Toledo, Ohio 43695
Telephone 419-247-3770

Mr. Richard T. McGuire
PPG Industries, Inc.
1000 RIDC Plaza; P.O. Box 2811
Pittsburgh, Pennsylvania 15230
Telephone 412-782-6700

Mr. Richard L. Morrison
Ford Motor Company Glass Division
300 Renaissance Center; P.O. Box 43343
Detroit, Michigan 48243
Telephone 313-568-4184

Mr. Donald J. Vild
Libbey-Owens-Ford Company
1701 East Broadway
Toledo, Ohio 43605
Telephone 419-247-4231

Mr. Leigh T. Yates
Falconer Glass Industries, Inc.
500 South Work Street
Falconer, New York 14733
Telephone 716-665-6422

Honorary Non-Voting Life Time Member

Mr. Norman Nitschke
Glasstech, Inc.
Willis Day Industrial Park
995 Fourth Street
Perrysburg, Ohio 43551
Telephone 419-661-9500

CLASSIFIED TEMPERED GLASS PATTERNS

1/8 inch shallow

(01) P-516	(02) Luxlite	(03) Factrolite	(09) Spray Lite	(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				

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			

1/8 inch deep

(10) Autumn

5/32 inch shallow

(59) Luxlite	(60) Factrolite	(64) Spray Lite	(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

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				

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) Spray Lite			

3/16 inch medium

(58) Pattern 76

3/16 inch deep

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

210 shallow

(89) Velvex	(90) Muralex	(91) Industrex	(92) Aquatex	(93) Pattern 100
(94) Pattern 6	(95) Pattern 62	(96) Spray Lite	(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

210 medium

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

210 deep

(104) Lozenge	(114) Broad Lite
---------------	------------------

7/32 inch shallow

(14) Velvex	(15) Muralex	(16) Industrex	(17) Aquatex	(18) Pattern 100
(19) Pattern 6	(20) Pattern 62	(21) Spray Lite	(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				

7/32 inch medium

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

7/32 inch deep

(29) Lozenge	(53) Broad Lite
--------------	-----------------

July 1, 1981 Update

April 1, 1981 through June 30, 1981

Additions:

AFG Industries, Inc.; Cinnaminson, New Jersey			
SGCC- 489	1/8	inch tempered transparent glass	Unlimited size
SGCC- 940	5/32	inch tempered transparent glass	Unlimited size
SGCC- 245	3/16	inch tempered transparent glass	Unlimited size
SGCC-1191	1/4	inch tempered transparent glass	Unlimited size
AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4			
SGCC-1189	3/16	inch tempered transparent glass	Unlimited size
SGCC- 246	1/4	inch tempered transparent glass	Unlimited size
SGCC- 345	3/8	inch tempered transparent glass	Unlimited size
SGCC- 346	1/2	inch tempered transparent glass	Unlimited size
SGCC-1087	7/32	inch tempered pattern glass (m)	Unlimited size
Cal-Temp; Santa Fe Springs, California			
SGCC-1176	5/32	inch tempered transparent glass	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana			
SGCC- 56	3/16	inch tempered transparent glass	Unlimited size
SGCC-1179	210	inch tempered pattern glass (s)	Unlimited size
LOF Glass; Clinton, North Carolina			
SGCC-1079	3/4	inch tempered transparent glass	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington			
SGCC-1100	5/32	inch tempered transparent glass	Unlimited size
PPG Industries, Inc.; Creighton, Pennsylvania			
SGCC-1177	5/16	inch laminated transparent glass (0.060)	Unlimited size
SGCC-1190	7/16	inch laminated transparent glass (0.060)	Unlimited size
SGCC-1178	17/32	inch laminated transparent glass (0.060)	Unlimited size
Societa Italiana Vetro S.p.A.; San Salvo, Italy			
SGCC-1188	1/4	inch laminated transparent glass (0.030)	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma			
SGCC-1186	3/8	inch tempered transparent glass	Unlimited size
Texas Tempered Glass Company; Houston, Texas			
SGCC-1192	3/16	inch tempered transparent glass	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California			
SGCC-1187	3/16	inch tempered transparent glass	Unlimited size

Deletions:

AFG Industries, Inc.; Cinnaminson, New Jersey			
SGCC-1137	210	inch tempered pattern glass (s)	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road			
SGCC-1060	1/4	inch tempered transparent glass	Unlimited size
SGCC-1061	7/32	inch tempered pattern glass (s)	Unlimited size
Feather-lite Manufacturing Company; Malvern, Arkansas			
SGCC- 610	3/16	inch tempered transparent glass	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana			
SGCC- 129	7/32	inch tempered pattern glass (s)	Unlimited size
Hehr International, Inc.; Chesaning, Michigan			
SGCC-1063	3/16	inch tempered transparent glass	32" by 60"
PPG Industries, Inc.; Crestline, Ohio			
SGCC- 679	5/32	inch tempered transparent glass	Unlimited size
SGCC- 446	3/16	inch tempered pattern glass (d)	Unlimited size
San Diego Tempering, Inc.; San Diego, California			
SGCC-1013	3/16	inch tempered transparent glass	Unlimited size
SGCC-1014	1/4	inch tempered transparent glass	Unlimited size
SGCC-1015	3/8	inch tempered transparent glass	Unlimited size
SGCC-1016	1/2	inch tempered transparent glass	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma			
SGCC- 532	3/8	inch tempered transparent glass	Unlimited size
Temp-Tech Industries, Inc.; Chicago, Illinois			
SGCC- 985	3/16	inch tempered transparent glass	Unlimited size
Tempglass, Ltd.; Weston, Ontario, Canada			
SGCC-1109	1/8	inch tempered transparent glass	Unlimited size
Texas Tempered Glass Company; Houston, Texas			
SGCC- 110	3/16	inch tempered transparent glass	Unlimited size
Trident Consolidated Industries, Inc.; City of Industry, California			
SGCC-1150	5/32	inch tempered transparent glass	Unlimited size
SGCC-1153	3/8	inch tempered transparent glass	Unlimited size
SGCC-1154	1/2	inch tempered transparent glass	Unlimited size
SGCC-1155	3/4	inch tempered transparent glass	Unlimited size
SGCC-1156	7/32	inch tempered pattern glass (s)	Unlimited size
Tuf-flex Glass; Union City, California			
SGCC- 490	3/16	inch tempered transparent glass	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California			
SGCC- 252	3/16	inch tempered transparent glass	Unlimited size

ANSI

8 SGCC; July 1, 1981

PROGRAM CONCEPT

The safety of the public is paramount. Manufacturers of safety glazing products, building code administrators and others responsible for the safety of the public, recognizing the need for a common standard for safety glazing materials, jointly established the Safety Glazing Certification Council (SGCC).

The Safety Glazing Certification Council is a non-profit organization which has established and maintains a program to administer periodic testing as outlined in American National Standard Z97.1-1975, an internationally recognized standard for safety glazing in buildings. This standard subjects glazing materials to a practical test to determine that if they are broken by human contact, they break in a manner that would minimize the likelihood of cutting or piercing injury. SGCC's responsibilities are threefold: to assure a periodic testing program is maintained; to approve and register the form of the manufacturer's label; and to withdraw the manufacturer's authority to use that label if its products do not meet ANSI Z97.1-1975 standards.

Management and control of the program is vested in a board of directors, half representing industry and half representing public interest. The public interest representatives are empowered to veto any action regardless of the number present at a meeting. This insures against industry dominance of SGCC actions. The organization is operated in compliance with the American National Standard Practice for Certification Procedures Z34.1-1947 (R1959).

The program uses independent testing laboratories under the supervision of a qualified administrator, who is a professional engineer. He is unaffiliated with any manufacturer of safety glazing materials, and is hired by and responsible to the Safety Glazing Certification Council. The manufacturer of the products listed herein has certified that the labeled materials comply with the safety characteristics established by ANSI Z97.1-1975. The compliance of the manufacturer with the requirements of that standard is being checked periodically by an independent testing laboratory under the supervision of SGCC.

Every manufacturer of safety glazing material is eligible and encouraged to apply for certification. However, his products are not accepted and certified until an independent laboratory test indicates compliance with the standard. Once certified, each product is assigned a SGCC certification number to identify it and the factory at which it is made. Then, at least twice a year, SGCC independently selects samples during unannounced visits to the manufacturing plant or randomly from the market place to ensure continued adherence to the standard. Based on these re-evaluation reports SGCC authorizes continued use of the certification label and the product listing published in this directory.

The 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 products listing all manufacturers and their plants approved for each product. There is also an alphabetical listing by manufacturers illustrating a typical label of that manufacturer. The table of contents lists various procedural and administrative information, as well as information as to where officers and directors may be located.

Information from SGCC concerning a statement of procedures or copies of the minutes are available to manufacturers, public interest groups and individuals, upon request.

CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 12 Virginia Glass	SGCC- 254 Tyre Brothers	SGCC- 444 LOF Glass
SGCC- 14 Virginia Glass	SGCC- 255 Tyre Brothers	SGCC- 449 LOF Glass
SGCC- 19 LOF Glass	SGCC- 256 Tyre Brothers	SGCC- 452 C-E Glass
SGCC- 24 AFG Industries	SGCC- 257 Tuf-flex Glass	SGCC- 453 C-E Glass
SGCC- 28 AFG Industries	SGCC- 258 Tuf-flex Glass	SGCC- 454 PPG Industries
SGCC- 31 AFG Industries	SGCC- 263 Guardian Industries	SGCC- 455 PPG Industries
SGCC- 40 Guardian Industries	SGCC- 264 Guardian Industries	SGCC- 456 PPG Industries
SGCC- 41 Guardian Industries	SGCC- 266 PPG Industries	SGCC- 458 Guardian Industries
SGCC- 43 Guardian Industries	SGCC- 270 Tuf-flex Glass	SGCC- 464 LOF Glass
SGCC- 47 C-E Glass	SGCC- 279 Ohio Plate Glass	SGCC- 471 Guardian Industries
SGCC- 49 C-E Glass	SGCC- 295 PPG Industries	SGCC- 474 PPG Industries
SGCC- 54 Hamilton Glass	SGCC- 298 Tuf-flex Glass	SGCC- 475 PPG Industries
SGCC- 56 Hamilton Glass	SGCC- 300 Guardian Industries	SGCC- 482 Tuf-flex Glass
SGCC- 57 Hamilton Glass	SGCC- 314 Tuf-flex Glass	SGCC- 483 Tuf-flex Glass
SGCC- 59 PPG Industries	SGCC- 315 Tuf-flex Glass	SGCC- 487 Guardian Industries
SGCC- 60 PPG Industries	SGCC- 316 Rotuba Extruders	SGCC- 488 Temp-Safe
SGCC- 61 PPG Industries	SGCC- 320 Tuf-flex Glass	SGCC- 489 AFG Industries
SGCC- 63 PPG Industries	SGCC- 321 Tuf-flex Glass	SGCC- 491 Tuf-flex Glass
SGCC- 64 PPG Industries	SGCC- 322 Tuf-flex Glass	SGCC- 508 Central Glass
SGCC- 70 PPG Industries	SGCC- 323 Tuf-flex Glass	SGCC- 514 Downey Glass
SGCC- 73 PPG Industries	SGCC- 328 Ohio Plate Glass	SGCC- 515 Downey Glass
SGCC- 76 C-E Glass	SGCC- 330 C-E Glass	SGCC- 516 Downey Glass
SGCC- 89 AFG Industries	SGCC- 337 Tempered Glass	SGCC- 520 Anglass Industries
SGCC- 90 AFG Industries	SGCC- 338 Tempered Glass	SGCC- 525 Tuf-flex Glass
SGCC- 92 Virginia Glass	SGCC- 341 Ford Motor Company	SGCC- 544 LOF Glass
SGCC- 93 Virginia Glass	SGCC- 342 Ford Motor Company	SGCC- 545 LOF Glass
SGCC- 94 Virginia Glass	SGCC- 344 C-E Glass	SGCC- 562 Ohio Plate Glass
SGCC- 95 Virginia Glass	SGCC- 345 AFG Industries	SGCC- 567 Manchester Products
SGCC- 97 Guardian Industries	SGCC- 346 AFG Industries	SGCC- 583 Artistic Glass
SGCC- 98 Guardian Industries	SGCC- 348 Tempered Glass	SGCC- 584 Artistic Glass
SGCC- 102 PPG Industries	SGCC- 350 LOF Glass	SGCC- 585 Artistic Glass
SGCC- 108 C-E Glass	SGCC- 351 LOF Glass	SGCC- 586 Feather-lite
SGCC- 118 Flex-O-Glass	SGCC- 352 LOF Glass	SGCC- 587 AFG Industries
SGCC- 131 Guardian Industries	SGCC- 360 C-E Glass	SGCC- 588 AFG Industries
SGCC- 137 Texas Tempered	SGCC- 361 C-E Glass	SGCC- 592 Tempglass
SGCC- 141 AFG Industries	SGCC- 373 LOF Glass	SGCC- 593 Tempglass
SGCC- 150 LOF Glass	SGCC- 374 LOF Glass	SGCC- 594 Tempglass
SGCC- 151 LOF Glass	SGCC- 375 LOF Glass	SGCC- 595 Tempglass
SGCC- 157 Chromalloy-Safetee	SGCC- 378 Chromalloy-Safetee	SGCC- 597 Tempglass
SGCC- 160 Guardian Industries	SGCC- 379 Chromalloy-Safetee	SGCC- 598 AFG Industries
SGCC- 173 Sheffield Plastics	SGCC- 380 Chromalloy-Safetee	SGCC- 600 Doulton Tempered
SGCC- 181 Chromalloy-Safetee	SGCC- 381 Chromalloy-Safetee	SGCC- 601 Doulton Tempered
SGCC- 182 Chromalloy-Safetee	SGCC- 382 PPG Industries	SGCC- 603 Downey Glass
SGCC- 185 Ohio Plate Glass	SGCC- 385 C-E Glass	SGCC- 604 Downey Glass
SGCC- 186 Ohio Plate Glass	SGCC- 386 LOF Glass	SGCC- 605 Downey Glass
SGCC- 188 Ohio Plate Glass	SGCC- 390 Tuf-flex Glass	SGCC- 606 Downey Glass
SGCC- 194 PPG Industries	SGCC- 391 Tuf-flex Glass	SGCC- 607 Downey Glass
SGCC- 195 PPG Industries	SGCC- 392 Tuf-flex Glass	SGCC- 608 Downey Glass
SGCC- 209 PPG Industries Canada	SGCC- 396 Ford Motor Company	SGCC- 609 Downey Glass
SGCC- 219 PPG Industries	SGCC- 397 Ford Motor Company	SGCC- 617 Guardian Industries
SGCC- 220 AFG Industries	SGCC- 400 PPG Industries	SGCC- 619 C-E Glass
SGCC- 229 Tuf-flex Glass	SGCC- 402 PPG Industries	SGCC- 620 C-E Glass
SGCC- 245 AFG Industries	SGCC- 404 PPG Industries	SGCC- 630 Downey Glass
SGCC- 246 AFG Industries	SGCC- 411 C-E Glass	SGCC- 631 Guardian Industries
SGCC- 249 PPG Industries	SGCC- 412 C-E Glass	SGCC- 633 Guardian Industries
SGCC- 250 PPG Industries	SGCC- 413 C-E Glass	SGCC- 638 Cal-Temp
SGCC- 251 PPG Industries Canada	SGCC- 414 C-E Glass	SGCC- 639 Cal-Temp
SGCC- 253 Tyre Brothers	SGCC- 441 Temp-Safe	SGCC- 640 Cal-Temp

ANSI

10 SGCC; July 1, 1981

CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 641 Cal-Temp	SGCC- 986 Temp-Tech	SGCC-1105 Milgard
SGCC- 647 PPG Industries	SGCC- 987 Tempglass Eastern	SGCC-1107 PPG Industries
SGCC- 648 PPG Industries	SGCC- 988 Tempglass Eastern	SGCC-1108 PPG Industries
SGCC- 653 PPG Industries	SGCC- 990 Bennett's	SGCC-1110 PPG Industries
SGCC- 654 Ohio Plate Glass	SGCC- 991 Bennett's	SGCC-1111 PPG Industries
SGCC- 662 Guardian Industries	SGCC- 992 Bennett's	SGCC-1112 PPG Industries
SGCC- 668 Texas Tempered	SGCC- 993 Bennett's	SGCC-1113 PPG Industries
SGCC- 669 Texas Tempered	SGCC- 994 Bennett's	SGCC-1115 Tempglass Eastern
SGCC- 675 PPG Industries	SGCC- 999 Anglass Industries	SGCC-1117 Central Glass
SGCC- 676 PPG Industries	SGCC-1000 Anglass Industries	SGCC-1118 Tempered Glass
SGCC- 678 Downey Glass	SGCC-1002 Downey Glass	SGCC-1119 C-E Glass
SGCC- 680 PPG Industries	SGCC-1004 Guardian Industries	SGCC-1120 PPG Industries Canada
SGCC- 700 Doulton Tempered	SGCC-1006 C-E Glass	SGCC-1121 C-E Glass
SGCC- 701 Northwestern Industries	SGCC-1007 C-E Glass	SGCC-1124 Fulton Glass
SGCC- 702 Northwestern Industries	SGCC-1008 C-E Glass	SGCC-1125 Fulton Glass
SGCC- 703 Northwestern Industries	SGCC-1009 C-E Glass	SGCC-1126 Fulton Glass
SGCC- 704 Northwestern Industries	SGCC-1034 Shaw Glass	SGCC-1127 Fulton Glass
SGCC- 707 Northwestern Industries	SGCC-1035 Shaw Glass	SGCC-1128 Fulton Glass
SGCC- 708 Falconer Glass	SGCC-1036 Shaw Glass	SGCC-1136 C-E Glass
SGCC- 709 Falconer Glass	SGCC-1037 Shaw Glass	SGCC-1138 C-E Glass
SGCC- 710 Falconer Glass	SGCC-1039 Tempglass	SGCC-1139 AFG Industries
SGCC- 711 Falconer Glass	SGCC-1041 Ardco	SGCC-1140 Bennett's
SGCC- 712 Falconer Glass	SGCC-1042 Ardco	SGCC-1141 Tuf-flex Glass
SGCC- 723 Tempglass Western	SGCC-1043 Tempglass Southern	SGCC-1143 AFG Industries
SGCC- 724 Tempglass Western	SGCC-1044 Tempglass Southern	SGCC-1144 C-E Glass
SGCC- 725 Tempglass Western	SGCC-1045 Tempglass Southern	SGCC-1145 PPG Industries
SGCC- 726 Tempglass Western	SGCC-1046 Tempglass Southern	SGCC-1146 C-E Glass
SGCC- 818 Tuf-flex Glass	SGCC-1047 Tempglass Southern	SGCC-1147 Tempered Glass
SGCC- 889 C-E Glass	SGCC-1049 Ardco	SGCC-1151 Trident
SGCC- 891 Tempglass Western	SGCC-1050 Ohio Plate Glass	SGCC-1152 Trident
SGCC- 896 C-E Glass	SGCC-1051 C-E Glass	SGCC-1157 Cal-Temp
SGCC- 904 C-E Glass	SGCC-1055 Pacific Tempering	SGCC-1159 Texas Tempered
SGCC- 920 Northwestern Industries	SGCC-1056 Temp-Safe	SGCC-1160 C-E Glass
SGCC- 921 Tuf-flex Glass	SGCC-1058 Tempglass Eastern	SGCC-1161 Guardian Industries
SGCC- 927 PPG Industries	SGCC-1059 Tempglass Eastern	SGCC-1162 Pacific Tempering
SGCC- 933 Guardian Industries	SGCC-1062 Hehr International	SGCC-1164 Colonial
SGCC- 934 Guardian Industries	SGCC-1067 PPG Industries	SGCC-1165 Colonial
SGCC- 935 Downey Glass	SGCC-1068 Tempglass Southern	SGCC-1166 Colonial
SGCC- 940 AFG Industries	SGCC-1069 C-E Glass	SGCC-1167 Colonial
SGCC- 941 C-E Glass	SGCC-1071 Shaw Glass	SGCC-1168 Templex
SGCC- 945 C-E Glass	SGCC-1073 LOF Glass	SGCC-1169 Templex
SGCC- 948 Tempglass Western	SGCC-1074 LOF Glass	SGCC-1170 Templex
SGCC- 949 AFG Industries	SGCC-1075 LOF Glass	SGCC-1171 Templex
SGCC- 952 PPG Industries	SGCC-1076 LOF Glass	SGCC-1172 C-E Glass
SGCC- 953 Guardian Industries	SGCC-1077 LOF Glass	SGCC-1173 Safelite Industries
SGCC- 955 AFG Industries	SGCC-1079 LOF Glass	SGCC-1174 Safelite Industries
SGCC- 964 Guardian Industries	SGCC-1087 AFG Industries	SGCC-1175 Hehr International
SGCC- 968 Guardian Industries	SGCC-1088 Ohio Plate Glass	SGCC-1176 Cal-Temp
SGCC- 969 Guardian Industries	SGCC-1089 Tempglass, Ltd.	SGCC-1177 PPG Industries
SGCC- 970 Guardian Industries	SGCC-1090 Tempglass, Ltd.	SGCC-1178 PPG Industries
SGCC- 971 Guardian Industries	SGCC-1094 Tempglass, Ltd.	SGCC-1179 Hamilton Glass
SGCC- 972 Pacific Tempering	SGCC-1095 Tempglass, Ltd.	SGCC-1186 Temp-Safe
SGCC- 974 Pacific Tempering	SGCC-1099 Milgard	SGCC-1187 Tyre Brothers
SGCC- 975 Pacific Tempering	SGCC-1100 Milgard	SGCC-1188 Societa Italiana Vetro
SGCC- 978 C-E Glass	SGCC-1101 Milgard	SGCC-1189 AFG Industries
SGCC- 979 Tempglass Eastern	SGCC-1102 Milgard	SGCC-1190 PPG Industries
SGCC- 981 Tempglass Eastern	SGCC-1103 Milgard	SGCC-1191 AFG Industries
SGCC- 982 Tempglass Eastern	SGCC-1104 Milgard	SGCC-1192 Texas Tempered

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

AFG Industries, Inc.; Cinnaminson, New Jersey

SGCC- 489	1/8	inch tempered transparent glass	Unlimited size
SGCC- 940	5/32	inch tempered transparent glass	Unlimited size
SGCC- 245	3/16	inch tempered transparent glass	Unlimited size
SGCC-1191	1/4	inch tempered transparent glass	Unlimited size

AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4

SGCC-1189	3/16	inch tempered transparent glass	Unlimited size
SGCC- 246	1/4	inch tempered transparent glass	Unlimited size
SGCC- 345	3/8	inch tempered transparent glass	Unlimited size
SGCC- 346	1/2	inch tempered transparent glass	Unlimited size
SGCC-1087	7/32	inch tempered pattern glass (m)	Unlimited size

AFG Industries, Inc.; Greenland, Tennessee

SGCC- 598	1/8	inch tempered transparent glass	Unlimited size
SGCC- 955	5/32	inch tempered transparent glass	Unlimited size
SGCC- 220	3/16	inch tempered transparent glass	Unlimited size
SGCC- 89	1/4	inch tempered transparent glass	Unlimited size
SGCC- 90	3/8	inch tempered transparent glass	Unlimited size
SGCC- 587	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1139	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 588	7/32	inch tempered pattern glass (s)	Unlimited size

AFG Industries, Inc.; Kingsport, Tennessee

SGCC- 949	5/32	inch tempered transparent glass	Unlimited size
SGCC- 28	3/16	inch tempered transparent glass	Unlimited size
SGCC- 24	1/4	inch tempered transparent glass	Unlimited size
SGCC- 141	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1143	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 31	7/32	inch tempered pattern glass (s)	Unlimited size

Anglass Industries, Inc.; San Fernando, California

SGCC- 520	1/8	inch tempered transparent glass	Unlimited size
SGCC- 999	3/16	inch tempered transparent glass	Unlimited size
SGCC-1000	1/4	inch tempered transparent glass	Unlimited size

Ardco, Inc.; Chicago, Illinois

SGCC-1041	1/8	inch tempered transparent glass	Unlimited size
SGCC-1042	3/16	inch tempered transparent glass	Unlimited size
SGCC-1049	1/4	inch tempered transparent glass	Unlimited size

Artistic Glass Products Company; Trumbauersville, Pennsylvania

SGCC- 583	1/8	inch tempered transparent glass	13" by 19"
SGCC- 584	3/16	inch tempered transparent glass	15" by 24"
SGCC- 585	1/4	inch tempered transparent glass	15" by 24"

Bennett's; Salt Lake City, Utah

SGCC-1140	3/16	inch tempered transparent glass	Unlimited size
SGCC- 990	1/4	inch tempered transparent glass	Unlimited size
SGCC- 991	3/8	inch tempered transparent glass	Unlimited size
SGCC- 992	1/2	inch tempered transparent glass	Unlimited size
SGCC- 994	210	inch tempered pattern glass (m)	Unlimited size
SGCC- 993	7/32	inch tempered pattern glass (s)	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

C-E Glass; Atlanta, Georgia

SGCC-1172	3/16	inch tempered transparent glass	Unlimited size
SGCC- 108	1/4	inch tempered transparent glass	Unlimited size
SGCC-1069	3/8	inch tempered transparent glass	Unlimited size
SGCC-1008	210	inch tempered pattern glass (s)	Unlimited size

C-E Glass; Carson, California

SGCC- 453	1/8	inch tempered transparent glass	Unlimited size
SGCC-1121	3/16	inch tempered transparent glass	Unlimited size
SGCC- 411	1/4	inch tempered transparent glass	Unlimited size
SGCC- 412	3/8	inch tempered transparent glass	Unlimited size
SGCC- 413	1/2	inch tempered transparent glass	Unlimited size
SGCC- 452	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC- 941	5/32	inch tempered pattern glass (m)	Unlimited size
SGCC- 414	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 619	7/32	inch tempered pattern glass (s)	Unlimited size
SGCC- 620	7/32	inch tempered pattern glass (m)	Unlimited size

C-E Glass; Fullerton, California

SGCC-1138	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1160	3/16	inch tempered pattern glass (s)	Unlimited size

C-E Glass; Lancaster, Ohio; Quarry Road

SGCC-1146	3/16	inch tempered transparent glass	Unlimited size
-----------	------	---------------------------------	----------------

C-E Glass; Lancaster, Ohio; Slocum Street

SGCC- 978	1/8	inch tempered transparent glass	30" by 60"
SGCC- 330	3/16	inch tempered transparent glass	30" by 39"
SGCC-1051	1/4	inch tempered transparent glass	30" by 55"

C-E Glass; Miami, Florida

SGCC- 76	3/16	inch tempered transparent glass	Unlimited size
SGCC- 49	1/4	inch tempered transparent glass	Unlimited size
SGCC-1006	210	inch tempered pattern glass (s)	Unlimited size
SGCC-1007	7/32	inch tempered pattern glass (m)	Unlimited size

C-E Glass; Tampa, Florida

SGCC- 385	3/16	inch tempered transparent glass	Unlimited size
SGCC- 47	1/4	inch tempered transparent glass	Unlimited size
SGCC- 889	3/8	inch tempered transparent glass	Unlimited size
SGCC- 896	1/2	inch tempered transparent glass	Unlimited size
SGCC-1119	7/32	inch tempered pattern glass (d)	Unlimited size

C-E Glass; Warrenton, Missouri

SGCC- 360	1/8	inch tempered transparent glass	Unlimited size
SGCC- 945	5/32	inch tempered transparent glass	Unlimited size
SGCC-1144	3/16	inch tempered transparent glass	Unlimited size
SGCC- 361	1/4	inch tempered transparent glass	Unlimited size
SGCC- 904	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1136	5/32	inch tempered pattern glass (s)	Unlimited size
SGCC-1009	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 344	7/32	inch tempered pattern glass (s)	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Cal-Temp; Santa Fe Springs, California

SGCC-1176	5/32	inch tempered transparent glass	Unlimited size
SGCC-1157	3/16	inch tempered transparent glass	Unlimited size
SGCC- 638	1/4	inch tempered transparent glass	Unlimited size
SGCC- 639	3/8	inch tempered transparent glass	Unlimited size
SGCC- 640	1/2	inch tempered transparent glass	Unlimited size
SGCC- 641	7/32	inch tempered pattern glass (s)	Unlimited size

Central Glass Company, Ltd.; Tokyo, Japan

SGCC-1117	1/4	inch polished wired glass (1/2 inch square mesh)	Unlimited size
SGCC- 508	1/4	inch polished wired glass (3/4 inch diamond mesh)	Unlimited size

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC- 157	1/4	inch tempered transparent glass	Unlimited size
SGCC- 181	3/8	inch tempered transparent glass	Unlimited size
SGCC- 182	1/2	inch tempered transparent glass	Unlimited size
SGCC- 378	7/32	inch laminated transparent glass (0.015)	Unlimited size
SGCC- 379	1/4	inch laminated transparent glass (0.015)	Unlimited size
SGCC- 380	3/8	inch laminated transparent glass (0.015)	Unlimited size
SGCC- 381	1/2	inch laminated transparent glass (0.015)	Unlimited size

Colonial Mirror and Glass Corporation; Brooklyn, New York

SGCC-1164	3/16	inch tempered transparent glass	Unlimited size
SGCC-1165	1/4	inch tempered transparent glass	Unlimited size
SGCC-1166	3/8	inch tempered transparent glass	Unlimited size
SGCC-1167	1/2	inch tempered transparent glass	Unlimited size

Doulton Tempered Glass, Ltd.; Bradford, England

SGCC- 600	5/32	inch tempered transparent glass	Unlimited size
SGCC- 700	3/16	inch tempered transparent glass	Unlimited size
SGCC- 601	1/4	inch tempered transparent glass	Unlimited size

Downey Glass Company, Inc.; Downey, California

SGCC- 603	1/8	inch tempered transparent glass	Unlimited size
SGCC-1002	5/32	inch tempered transparent glass	Unlimited size
SGCC- 606	3/16	inch tempered transparent glass	Unlimited size
SGCC- 609	1/4	inch tempered transparent glass	Unlimited size
SGCC- 604	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC- 605	1/8	inch tempered pattern glass (m)	Unlimited size
SGCC- 607	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 608	7/32	inch tempered pattern glass (s)	Unlimited size

Downey Glass Company, Inc.; Los Angeles, California

SGCC- 630	3/16	inch tempered transparent glass	Unlimited size
SGCC- 514	1/4	inch tempered transparent glass	Unlimited size
SGCC- 515	3/8	inch tempered transparent glass	Unlimited size
SGCC- 516	1/2	inch tempered transparent glass	Unlimited size
SGCC- 935	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 678	7/32	inch tempered pattern glass (s)	Unlimited size

Falconer Glass Industries, Inc.; Falconer, New York

SGCC- 708	3/16	inch tempered transparent glass	Unlimited size
SGCC- 709	1/4	inch tempered transparent glass	Unlimited size
SGCC- 710	3/8	inch tempered transparent glass	Unlimited size
SGCC- 711	1/2	inch tempered transparent glass	Unlimited size
SGCC- 712	3/4	inch tempered transparent glass	Unlimited size

ANSI

14 SGCC; July 1, 1981

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Feather-lite Manufacturing Company; Malvern, Arkansas
SGCC- 586 1/8 inch tempered transparent glass

Unlimited size

Flex-O-Glass, Inc.; Dixon, Illinois
SGCC- 118 0.080 inch through 0.125 inch smooth extruded acrylic

Unlimited size

Ford Motor Company; Dearborn, Michigan
SGCC- 341 1/8 inch tempered transparent glass
SGCC- 396 5/32 inch tempered transparent glass
SGCC- 342 3/16 inch tempered transparent glass
SGCC- 397 1/4 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size
Unlimited size

Fulton Glass Industries, Inc.; Red Oak, Georgia
SGCC-1124 3/16 inch tempered transparent glass
SGCC-1125 1/4 inch tempered transparent glass
SGCC-1126 3/8 inch tempered transparent glass
SGCC-1127 1/2 inch tempered transparent glass
SGCC-1128 7/32 inch tempered pattern glass (s)

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

Guardian Industries Corporation; Carleton, Michigan
SGCC- 933 1/8 inch tempered transparent glass
SGCC- 934 5/32 inch tempered transparent glass
SGCC- 631 3/16 inch tempered transparent glass
SGCC- 131 1/4 inch tempered transparent glass
SGCC- 160 3/8 inch tempered transparent glass
SGCC- 263 1/2 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

Guardian Industries Corporation; Fort Lauderdale, Florida
SGCC-1161 1/8 inch tempered transparent glass
SGCC- 633 3/16 inch tempered transparent glass
SGCC- 40 1/4 inch tempered transparent glass
SGCC- 41 3/8 inch tempered transparent glass
SGCC-1004 1/2 inch tempered transparent glass
SGCC- 617 7/32 inch tempered pattern glass (s)

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

Guardian Industries Corporation; Kingsburg, California
SGCC- 968 1/8 inch tempered transparent glass
SGCC- 969 5/32 inch tempered transparent glass
SGCC- 970 3/16 inch tempered transparent glass
SGCC- 971 1/4 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size
Unlimited size

Guardian Industries Corporation; Torrance, California
SGCC- 964 3/16 inch tempered transparent glass
SGCC- 43 1/4 inch tempered transparent glass
SGCC- 97 3/8 inch tempered transparent glass
SGCC- 98 1/2 inch tempered transparent glass
SGCC- 264 7/32 inch tempered pattern glass (s)

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

Guardian Industries Corporation; Upper Sandusky, Ohio
SGCC- 458 7/32 inch laminated transparent glass (0.030)
SGCC- 487 1/4 inch laminated transparent glass (0.030)

Unlimited size
Unlimited size

Guardian Industries Corporation; Webster, Massachusetts
SGCC- 300 1/8 inch tempered transparent glass
SGCC- 953 3/16 inch tempered transparent glass
SGCC- 662 1/4 inch tempered transparent glass
SGCC- 471 3/8 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size
Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Hamilton Glass Products, Inc.; Vincennes, Indiana

SGCC- 54	1/8	inch tempered transparent glass	Unlimited size
SGCC- 56	3/16	inch tempered transparent glass	Unlimited size
SGCC- 57	1/4	inch tempered transparent glass	Unlimited size
SGCC-1179	210	inch tempered pattern glass (s)	Unlimited size

Hehr International, Inc.; Chesaning, Michigan

SGCC-1062	1/8	inch tempered transparent glass	32" by 60"
SGCC-1175	1/8	inch tempered pattern glass (s)	32" by 60"

LOF Glass; Clinton, North Carolina

SGCC-1073	3/16	inch tempered transparent glass	Unlimited size
SGCC-1074	1/4	inch tempered transparent glass	Unlimited size
SGCC-1075	5/16	inch tempered transparent glass	Unlimited size
SGCC-1076	3/8	inch tempered transparent glass	Unlimited size
SGCC-1077	1/2	inch tempered transparent glass	Unlimited size
SGCC-1079	3/4	inch tempered transparent glass	Unlimited size

LOF Glass; Laurinburg, North Carolina

SGCC- 350	1/8	inch tempered transparent glass	Unlimited size
SGCC- 545	5/32	inch tempered transparent glass	Unlimited size
SGCC- 351	3/16	inch tempered transparent glass	Unlimited size
SGCC- 352	1/4	inch tempered transparent glass	Unlimited size
SGCC- 373	5/16	inch tempered transparent glass	Unlimited size
SGCC- 374	3/8	inch tempered transparent glass	Unlimited size
SGCC- 375	1/2	inch tempered transparent glass	Unlimited size

LOF Glass; Rossford, Ohio

SGCC- 386	3/16	inch tempered transparent glass	Unlimited size
SGCC- 19	1/4	inch tempered transparent glass	Unlimited size
SGCC- 464	5/16	inch tempered transparent glass	Unlimited size
SGCC- 449	3/8	inch tempered transparent glass	Unlimited size
SGCC- 150	1/2	inch tempered transparent glass	Unlimited size
SGCC- 544	5/8	inch tempered transparent glass	Unlimited size
SGCC- 151	3/4	inch tempered transparent glass	Unlimited size
SGCC- 444	7/8	inch tempered transparent glass	Unlimited size

Manchester Products Company; Chatsworth, California

SGCC- 567	0.100	inch smooth extruded acrylic	Unlimited size
-----------	-------	------------------------------	----------------

Milgard Manufacturing, Inc.; Tacoma, Washington

SGCC-1099	1/8	inch tempered transparent glass	Unlimited size
SGCC-1100	5/32	inch tempered transparent glass	Unlimited size
SGCC-1101	3/16	inch tempered transparent glass	Unlimited size
SGCC-1102	1/4	inch tempered transparent glass	Unlimited size
SGCC-1103	3/8	inch tempered transparent glass	Unlimited size
SGCC-1104	1/2	inch tempered transparent glass	Unlimited size
SGCC-1105	5/32	inch tempered pattern glass (s)	Unlimited size

Northwestern Industries, Inc.; Seattle, Washington

SGCC- 701	1/8	inch tempered transparent glass	Unlimited size
SGCC- 702	5/32	inch tempered transparent glass	Unlimited size
SGCC- 703	3/16	inch tempered transparent glass	Unlimited size
SGCC- 704	1/4	inch tempered transparent glass	Unlimited size
SGCC- 920	5/32	inch tempered pattern glass (m)	Unlimited size
SGCC- 707	7/32	inch tempered pattern glass (s)	Unlimited size

ANSI

16 SGCC; July 1, 1981

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Ohio Plate Glass Company; Lewisburg, Ohio

SGCC-1050	1/8	inch tempered transparent glass	Unlimited size
SGCC-1088	5/32	inch tempered transparent glass	Unlimited size
SGCC- 185	3/16	inch tempered transparent glass	Unlimited size
SGCC- 279	7/32	inch tempered transparent glass	Unlimited size
SGCC- 186	1/4	inch tempered transparent glass	Unlimited size
SGCC- 654	1/8	inch tempered pattern glass (m)	Unlimited size
SGCC- 188	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 328	3/16	inch tempered pattern glass (d)	Unlimited size
SGCC- 562	7/32	inch tempered pattern glass (s)	Unlimited size

PPG Industries, Inc.; Baltimore, Maryland

SGCC- 454	3/16	inch tempered transparent glass	Unlimited size
SGCC- 455	1/4	inch tempered transparent glass	Unlimited size
SGCC- 474	3/8	inch tempered transparent glass	Unlimited size
SGCC- 475	1/2	inch tempered transparent glass	Unlimited size
SGCC- 952	3/4	inch tempered transparent glass	Unlimited size
SGCC- 456	7/32	inch tempered pattern glass (s)	Unlimited size

PPG Industries, Inc.; Carlisle, Pennsylvania

SGCC- 250	1/8	inch tempered transparent glass	Unlimited size
SGCC- 675	5/32	inch tempered transparent glass	Unlimited size
SGCC- 249	3/16	inch tempered transparent glass	Unlimited size
SGCC- 382	1/4	inch tempered transparent glass	Unlimited size

PPG Industries, Inc.; Chicago, Illinois

SGCC- 266	3/16	inch tempered transparent glass	Unlimited size
SGCC-1145	1/4	inch tempered transparent glass	Unlimited size
SGCC- 647	3/8	inch tempered transparent glass	Unlimited size
SGCC- 648	1/2	inch tempered transparent glass	Unlimited size
SGCC- 653	7/32	inch tempered pattern glass (s)	Unlimited size

PPG Industries, Inc.; Creighton, Pennsylvania

SGCC-1177	5/16	inch laminated transparent glass (0.060)	Unlimited size
SGCC-1190	7/16	inch laminated transparent glass (0.060)	Unlimited size
SGCC-1178	17/32	inch laminated transparent glass (0.060)	Unlimited size

PPG Industries, Inc.; Crestline, Ohio

SGCC- 60	1/8	inch tempered transparent glass	Unlimited size
SGCC- 927	3/16	inch tempered transparent glass	Unlimited size
SGCC- 102	1/4	inch tempered transparent glass	Unlimited size

PPG Industries, Inc.; Dallas, Texas

SGCC- 400	3/16	inch tempered transparent glass	Unlimited size
SGCC- 402	1/4	inch tempered transparent glass	Unlimited size
SGCC-1107	3/8	inch tempered transparent glass	Unlimited size
SGCC-1108	1/2	inch tempered transparent glass	Unlimited size
SGCC- 404	7/32	inch tempered pattern glass (s)	Unlimited size

PPG Industries, Inc.; Ford City, Pennsylvania

SGCC- 61	3/16	inch tempered transparent glass	Unlimited size
SGCC- 70	1/4	inch tempered transparent glass	Unlimited size

PPG Industries, Inc.; Fresno, California

SGCC- 295	1/8	inch tempered transparent glass	Unlimited size
SGCC- 676	5/32	inch tempered transparent glass	Unlimited size
SGCC- 64	3/16	inch tempered transparent glass	Unlimited size
SGCC- 73	1/4	inch tempered transparent glass	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

PPG Industries, Inc.; Miami, Florida

SGCC- 195	3/16	inch tempered transparent glass	Unlimited size
SGCC- 194	1/4	inch tempered transparent glass	Unlimited size
SGCC-1067	3/8	inch tempered transparent glass	Unlimited size
SGCC- 219	7/32	inch tempered pattern glass (s)	Unlimited size

PPG Industries, Inc.; Mt. Zion, Illinois

SGCC- 59	1/8	inch tempered transparent glass	Unlimited size
SGCC- 680	5/32	inch tempered transparent glass	Unlimited size
SGCC- 63	3/16	inch tempered transparent glass	Unlimited size

PPG Industries, Inc.; Wichita Falls, Texas

SGCC-1110	1/8	inch tempered transparent glass	Unlimited size
SGCC-1111	5/32	inch tempered transparent glass	Unlimited size
SGCC-1112	3/16	inch tempered transparent glass	Unlimited size
SGCC-1113	1/4	inch tempered transparent glass	Unlimited size

PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada

SGCC- 251	1/8	inch tempered transparent glass	Unlimited size
SGCC-1120	5/32	inch tempered transparent glass	Unlimited size
SGCC- 209	3/16	inch tempered transparent glass	Unlimited size

Pacific Tempering Company, Inc.; Long Beach, California

SGCC- 972	3/16	inch tempered transparent glass	Unlimited size
SGCC- 974	1/4	inch tempered transparent glass	Unlimited size
SGCC- 975	3/8	inch tempered transparent glass	Unlimited size
SGCC-1055	1/2	inch tempered transparent glass	Unlimited size
SGCC-1162	7/32	inch tempered pattern glass (s)	Unlimited size

Rotuba Extruders, Inc.; Linden, New Jersey

SGCC- 316	0.080	inch and greater thicknesses smooth extruded acrylic	Unlimited size
-----------	-------	--	----------------

Safelite Industries; Wichita, Kansas

SGCC-1173	7/32	inch laminated transparent glass (0.015)	Unlimited size
SGCC-1174	7/32	inch laminated transparent glass (0.030)	Unlimited size

Shaw Glass Company, Inc.; Stoughton, Massachusetts

SGCC-1034	3/16	inch tempered transparent glass	Unlimited size
SGCC-1035	1/4	inch tempered transparent glass	Unlimited size
SGCC-1036	3/8	inch tempered transparent glass	Unlimited size
SGCC-1037	1/2	inch tempered transparent glass	Unlimited size
SGCC-1071	7/32	inch tempered pattern glass (s)	Unlimited size

Sheffield Plastics, Inc.; Sheffield, Massachusetts

SGCC- 173	0.080	inch through 0.125 inch smooth extruded acrylic	Unlimited size
-----------	-------	---	----------------

Societa Italiana Vetro S.p.A.; San Salvo, Italy

SGCC-1188	1/4	inch laminated transparent glass (0.030)	Unlimited size
-----------	-----	--	----------------

Temp-Safe, Inc.; Edmond, Oklahoma

SGCC-1056	3/16	inch tempered transparent glass	Unlimited size
SGCC- 441	1/4	inch tempered transparent glass	Unlimited size
SGCC-1186	3/8	inch tempered transparent glass	Unlimited size
SGCC- 488	1/2	inch tempered transparent glass	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Temp-Tech Industries, Inc.; Chicago, Illinois

SGCC- 986 1/4 inch tempered transparent glass

Unlimited size

Tempered Glass Corporation; Tampa, Florida

SGCC-1147 3/16 inch tempered transparent glass

Unlimited size

SGCC- 337 1/4 inch tempered transparent glass

Unlimited size

SGCC- 348 3/8 inch tempered transparent glass

Unlimited size

SGCC- 338 1/2 inch tempered transparent glass

Unlimited size

SGCC-1118 7/32 inch tempered pattern glass (s)

Unlimited size

Tempglass, Inc.; Perrysburg, Ohio

SGCC-1039 1/8 inch tempered transparent glass

Unlimited size

SGCC- 592 3/16 inch tempered transparent glass

Unlimited size

SGCC- 593 1/4 inch tempered transparent glass

Unlimited size

SGCC- 594 3/8 inch tempered transparent glass

Unlimited size

SGCC- 595 1/2 inch tempered transparent glass

Unlimited size

SGCC- 597 7/32 inch tempered pattern glass (s)

Unlimited size

Tempglass, Ltd.; Weston, Ontario, Canada

SGCC-1094 3/16 inch tempered transparent glass

Unlimited size

SGCC-1095 1/4 inch tempered transparent glass

Unlimited size

SGCC-1089 3/8 inch tempered transparent glass

Unlimited size

SGCC-1090 1/2 inch tempered transparent glass

Unlimited size

Tempglass Eastern, Inc.; Norcross, Georgia

SGCC- 979 1/8 inch tempered transparent glass

Unlimited size

SGCC-1115 5/32 inch tempered transparent glass

Unlimited size

SGCC- 981 3/16 inch tempered transparent glass

Unlimited size

SGCC- 982 1/4 inch tempered transparent glass

Unlimited size

SGCC-1058 3/8 inch tempered transparent glass

Unlimited size

SGCC-1059 1/2 inch tempered transparent glass

Unlimited size

SGCC- 987 1/8 inch tempered pattern glass (s)

Unlimited size

SGCC- 988 7/32 inch tempered pattern glass (s)

Unlimited size

Tempglass Southern, Inc.; Grand Prairie, Texas

SGCC-1043 3/16 inch tempered transparent glass

Unlimited size

SGCC-1044 1/4 inch tempered transparent glass

Unlimited size

SGCC-1045 3/8 inch tempered transparent glass

Unlimited size

SGCC-1046 1/2 inch tempered transparent glass

Unlimited size

SGCC-1047 3/4 inch tempered transparent glass

Unlimited size

SGCC-1068 7/32 inch tempered pattern glass (s)

Unlimited size

Tempglass Western, Inc.; Fremont, California

SGCC- 723 3/16 inch tempered transparent glass

Unlimited size

SGCC- 724 1/4 inch tempered transparent glass

Unlimited size

SGCC- 725 3/8 inch tempered transparent glass

Unlimited size

SGCC- 726 1/2 inch tempered transparent glass

Unlimited size

SGCC- 948 3/4 inch tempered transparent glass

Unlimited size

SGCC- 891 7/32 inch tempered pattern glass (s)

Unlimited size

Templex, C. A.; Caracas, Venezuela

SGCC-1168 1/4 inch tempered transparent glass

Unlimited size

SGCC-1169 5/16 inch tempered transparent glass

Unlimited size

SGCC-1170 3/8 inch tempered transparent glass

Unlimited size

SGCC-1171 1/2 inch tempered transparent glass

Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Texas Tempered Glass Company; Houston, Texas

SGCC-1192	3/16	inch tempered transparent glass	Unlimited size
SGCC- 137	1/4	inch tempered transparent glass	Unlimited size
SGCC- 668	3/8	inch tempered transparent glass	Unlimited size
SGCC- 669	1/2	inch tempered transparent glass	Unlimited size
SGCC-1159	7/32	inch laminated transparent glass (0.030)	Unlimited size

Trident Consolidated Industries, Inc.; City of Industry, California

SGCC-1151	3/16	inch tempered transparent glass	Unlimited size
SGCC-1152	1/4	inch tempered transparent glass	Unlimited size

Tuf-flex Glass; Atlanta, Georgia

SGCC- 320	3/16	inch tempered transparent glass	Unlimited size
SGCC- 321	1/4	inch tempered transparent glass	Unlimited size
SGCC- 322	3/8	inch tempered transparent glass	Unlimited size
SGCC- 323	1/2	inch tempered transparent glass	Unlimited size

Tuf-flex Glass; Elmhurst, Illinois

SGCC- 257	3/16	inch tempered transparent glass	Unlimited size
SGCC- 229	1/4	inch tempered transparent glass	Unlimited size
SGCC- 258	3/8	inch tempered transparent glass	Unlimited size
SGCC- 270	1/2	inch tempered transparent glass	Unlimited size

Tuf-flex Glass; Irving, Texas

SGCC- 921	3/16	inch tempered transparent glass	Unlimited size
SGCC- 390	1/4	inch tempered transparent glass	Unlimited size
SGCC- 391	3/8	inch tempered transparent glass	Unlimited size
SGCC- 392	1/2	inch tempered transparent glass	Unlimited size
SGCC- 818	7/32	inch tempered pattern glass (s)	Unlimited size

Tuf-flex Glass; Saddle Brook, New Jersey

SGCC- 525	3/16	inch tempered transparent glass	Unlimited size
SGCC- 298	1/4	inch tempered transparent glass	Unlimited size
SGCC- 314	3/8	inch tempered transparent glass	Unlimited size
SGCC- 315	1/2	inch tempered transparent glass	Unlimited size

Tuf-flex Glass; Union City, California

SGCC- 491	1/4	inch tempered transparent glass	Unlimited size
SGCC- 482	3/8	inch tempered transparent glass	Unlimited size
SGCC- 483	1/2	inch tempered transparent glass	Unlimited size
SGCC-1141	7/32	inch tempered pattern glass (s)	Unlimited size

Tyre Brothers Glass Company; Los Angeles, California

SGCC-1187	3/16	inch tempered transparent glass	Unlimited size
SGCC- 253	1/4	inch tempered transparent glass	Unlimited size
SGCC- 254	3/8	inch tempered transparent glass	Unlimited size
SGCC- 255	1/2	inch tempered transparent glass	Unlimited size
SGCC- 256	7/32	inch tempered pattern glass (s)	Unlimited size

Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 12	3/16	inch tempered transparent glass	Unlimited size
SGCC- 14	1/4	inch tempered transparent glass	Unlimited size
SGCC- 93	3/8	inch tempered transparent glass	Unlimited size
SGCC- 94	1/2	inch tempered transparent glass	Unlimited size
SGCC- 95	3/4	inch tempered transparent glass	Unlimited size
SGCC- 92	7/32	inch tempered pattern glass (s)	Unlimited size

ANSI

20 SGCC; July 1, 1981

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM CERTIFIED SIZE

TEMPERED TRANSPARENT GLASS

1/8 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey
 AFG Industries, Inc.; Greenland, Tennessee
 Anglass Industries, Inc.; San Fernando, California
 Ardco, Inc.; Chicago, Illinois
 Artistic Glass Products Company; Trumbauersville, Pennsylvania
 C-E Glass; Carson, California
 C-E Glass; Lancaster, Ohio; Slocum Street
 C-E Glass; Warrenton, Missouri
 Downey Glass Company, Inc.; Downey, California
 Feather-lite Manufacturing Company; Malvern, Arkansas
 Ford Motor Company; Dearborn, Michigan
 Guardian Industries Corporation; Carleton, Michigan
 Guardian Industries Corporation; Fort Lauderdale, Florida
 Guardian Industries Corporation; Kingsburg, California
 Guardian Industries Corporation; Webster, Massachusetts
 Hamilton Glass Products, Inc.; Vincennes, Indiana
 Hehr International, Inc.; Chesaning, Michigan
 LOF Glass; Laurinburg, North Carolina
 Milgard Manufacturing, Inc.; Tacoma, Washington
 Northwestern Industries, Inc.; Seattle, Washington
 Ohio Plate Glass Company; Lewisburg, Ohio
 PPG Industries, Inc.; Carlisle, Pennsylvania
 PPG Industries, Inc.; Crestline, Ohio
 PPG Industries, Inc.; Fresno, California
 PPG Industries, Inc.; Mt. Zion, Illinois
 PPG Industries, Inc.; Wichita Falls, Texas
 PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada
 Tempglass, Inc.; Perrysburg, Ohio
 Tempglass Eastern, Inc.; Norcross, Georgia

SGCC- 489 Unlimited size
 SGCC- 598 Unlimited size
 SGCC- 520 Unlimited size
 SGCC-1041 Unlimited size
 SGCC- 583 13" by 19"
 SGCC- 453 Unlimited size
 SGCC- 978 30" by 60"
 SGCC- 360 Unlimited size
 SGCC- 603 Unlimited size
 SGCC- 586 Unlimited size
 SGCC- 341 Unlimited size
 SGCC- 933 Unlimited size
 SGCC-1161 Unlimited size
 SGCC- 968 Unlimited size
 SGCC- 300 Unlimited size
 SGCC- 54 Unlimited size
 SGCC-1062 32" by 60"
 SGCC- 350 Unlimited size
 SGCC-1099 Unlimited size
 SGCC- 701 Unlimited size
 SGCC-1050 Unlimited size
 SGCC- 250 Unlimited size
 SGCC- 60 Unlimited size
 SGCC- 295 Unlimited size
 SGCC- 59 Unlimited size
 SGCC-1110 Unlimited size
 SGCC- 251 Unlimited size
 SGCC-1039 Unlimited size
 SGCC- 979 Unlimited size

5/32 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey
 AFG Industries, Inc.; Greenland, Tennessee
 AFG Industries, Inc.; Kingsport, Tennessee
 C-E Glass; Warrenton, Missouri
 Cal-Temp; Santa Fe Springs, California
 Doulton Tempered Glass, Ltd.; Bradford, England
 Downey Glass Company, Inc.; Downey, California
 Ford Motor Company; Dearborn, Michigan
 Guardian Industries Corporation; Carleton, Michigan
 Guardian Industries Corporation; Kingsburg, California
 LOF Glass; Laurinburg, North Carolina
 Milgard Manufacturing, Inc.; Tacoma, Washington
 Northwestern Industries, Inc.; Seattle, Washington
 Ohio Plate Glass Company; Lewisburg, Ohio
 PPG Industries, Inc.; Carlisle, Pennsylvania
 PPG Industries, Inc.; Fresno, California
 PPG Industries, Inc.; Mt. Zion, Illinois
 PPG Industries, Inc.; Wichita Falls, Texas
 PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada
 Tempglass Eastern, Inc.; Norcross, Georgia

SGCC- 940 Unlimited size
 SGCC- 955 Unlimited size
 SGCC- 949 Unlimited size
 SGCC- 945 Unlimited size
 SGCC-1176 Unlimited size
 SGCC- 600 Unlimited size
 SGCC-1002 Unlimited size
 SGCC- 396 Unlimited size
 SGCC- 934 Unlimited size
 SGCC- 969 Unlimited size
 SGCC- 545 Unlimited size
 SGCC-1100 Unlimited size
 SGCC- 702 Unlimited size
 SGCC-1088 Unlimited size
 SGCC- 675 Unlimited size
 SGCC- 676 Unlimited size
 SGCC- 680 Unlimited size
 SGCC-1111 Unlimited size
 SGCC-1120 Unlimited size
 SGCC-1115 Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM CERTIFIED SIZE

3/16 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey	SGCC- 245	Unlimited size
AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4	SGCC-1189	Unlimited size
AFG Industries, Inc.; Greenland, Tennessee	SGCC- 220	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 28	Unlimited size
Anglass Industries, Inc.; San Fernando, California	SGCC- 999	Unlimited size
Ardco, Inc.; Chicago, Illinois	SGCC-1042	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC- 584	15" by 24"
Bennett's; Salt Lake City, Utah	SGCC-1140	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC-1172	Unlimited size
C-E Glass; Carson, California	SGCC-1121	Unlimited size
C-E Glass; Lancaster, Ohio; Quarry Road	SGCC-1146	Unlimited size
C-E Glass; Lancaster, Ohio; Slocum Street	SGCC- 330	30" by 39"
C-E Glass; Miami, Florida	SGCC- 76	Unlimited size
C-E Glass; Tampa, Florida	SGCC- 385	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-1144	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC-1157	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1164	Unlimited size
Doulton Tempered Glass, Ltd.; Bradford, England	SGCC- 700	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 606	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 630	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 708	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 342	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1124	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 631	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC- 633	Unlimited size
Guardian Industries Corporation; Kingsburg, California	SGCC- 970	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC- 964	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC- 953	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC- 56	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1073	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 351	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 386	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1101	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC- 703	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC- 185	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 454	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC- 249	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC- 266	Unlimited size
PPG Industries, Inc.; Crestline, Ohio	SGCC- 927	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC- 400	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 61	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC- 64	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC- 195	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois	SGCC- 63	Unlimited size
PPG Industries, Inc.; Wichita Falls, Texas	SGCC-1112	Unlimited size
PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada	SGCC- 209	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC- 972	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1034	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC-1056	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-1147	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 592	Unlimited size
Tempglass, Ltd.; Weston, Ontario, Canada	SGCC-1094	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 981	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1043	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM CERTIFIED SIZE

3/16 inch tempered transparent glass—continued

Tempglass Western, Inc.; Fremont, California	SGCC- 723	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC-1192	Unlimited size
Trident Consolidated Industries, Inc.; City of Industry, California	SGCC-1151	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 320	Unlimited size
Tuf-flex Glass; Elmhurst, Illinois	SGCC- 257	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 921	Unlimited size
Tuf-flex Glass; Saddle Brook, New Jersey	SGCC- 525	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC-1187	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 12	Unlimited size

7/32 inch tempered transparent glass

Ohio Plate Glass Company; Lewisburg, Ohio	SGCC- 279	Unlimited size
---	-----------	----------------

1/4 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey	SGCC-1191	Unlimited size
AFG Industries, Inc.; Cinnaminson, New Jersey; No.4	SGCC- 246	Unlimited size
AFG Industries, Inc.; Greenland, Tennessee	SGCC- 89	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 24	Unlimited size
Anglass Industries, Inc.; San Fernando, California	SGCC-1000	Unlimited size
Ardco, Inc.; Chicago, Illinois	SGCC-1049	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC- 585	15" by 24"
Bennett's; Salt Lake City, Utah	SGCC- 990	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC- 108	Unlimited size
C-E Glass; Carson, California	SGCC- 411	Unlimited size
C-E Glass; Lancaster, Ohio; Slocum Street	SGCC-1051	30" by 55"
C-E Glass; Miami, Florida	SGCC- 49	Unlimited size
C-E Glass; Tampa, Florida	SGCC- 47	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC- 361	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC- 638	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC- 157	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1165	Unlimited size
Doulton Tempered Glass, Ltd.; Bradford, England	SGCC- 601	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 609	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 514	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 709	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 397	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1125	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 131	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC- 40	Unlimited size
Guardian Industries Corporation; Kingsburg, California	SGCC- 971	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC- 43	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC- 662	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC- 57	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1074	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 352	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 19	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1102	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC- 704	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC- 186	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 455	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC- 382	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC-1145	Unlimited size
PPG Industries, Inc.; Crestline, Ohio	SGCC- 102	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC- 402	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM CERTIFIED SIZE

1/4 inch tempered transparent glass—continued

PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 70	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC- 73	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC- 194	Unlimited size
PPG Industries, Inc.; Wichita Falls, Texas	SGCC-1113	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC- 974	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1035	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC- 441	Unlimited size
Temp-Tech Industries, Inc.; Chicago, Illinois	SGCC- 986	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC- 337	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 593	Unlimited size
Tempglass, Ltd.; Weston, Ontario, Canada	SGCC-1095	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 982	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1044	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 724	Unlimited size
Templex, C. A.; Caracas, Venezuela	SGCC-1168	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC- 137	Unlimited size
Trident Consolidated Industries, Inc.; City of Industry, California	SGCC-1152	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 321	Unlimited size
Tuf-flex Glass; Elmhurst, Illinois	SGCC- 229	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 390	Unlimited size
Tuf-flex Glass; Saddle Brook, New Jersey	SGCC- 298	Unlimited size
Tuf-flex Glass; Union City, California	SGCC- 491	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC- 253	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 14	Unlimited size

5/16 inch tempered transparent glass

LOF Glass; Clinton, North Carolina	SGCC-1075	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 373	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 464	Unlimited size
Templex, C. A.; Caracas, Venezuela	SGCC-1169	Unlimited size

3/8 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4	SGCC- 345	Unlimited size
AFG Industries, Inc.; Greenland, Tennessee	SGCC- 90	Unlimited size
Bennett's; Salt Lake City, Utah	SGCC- 991	Unlimited size
C-E Glass; Atlanta, Georgia	SGCC-1069	Unlimited size
C-E Glass; Carson, California	SGCC- 412	Unlimited size
C-E Glass; Tampa, Florida	SGCC- 889	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC- 639	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC- 181	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1166	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 515	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 710	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1126	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 160	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC- 41	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC- 97	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC- 471	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1076	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 374	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 449	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1103	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 474	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC- 647	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

**MAXIMUM
CERTIFIED SIZE**

3/8 inch tempered transparent glass—continued

PPG Industries, Inc.; Dallas, Texas
PPG Industries, Inc.; Miami, Florida
Pacific Tempering Company, Inc.; Long Beach, California
Shaw Glass Company, Inc.; Stoughton, Massachusetts
Temp-Safe, Inc.; Edmond, Oklahoma
Tempered Glass Corporation; Tampa, Florida
Tempglass, Inc.; Perrysburg, Ohio
Tempglass, Ltd.; Weston, Ontario, Canada
Tempglass Eastern, Inc.; Norcross, Georgia
Tempglass Southern, Inc.; Grand Prairie, Texas
Tempglass Western, Inc.; Fremont, California
Templex, C. A.; Caracas, Venezuela
Texas Tempered Glass Company; Houston, Texas
Tuf-flex Glass; Atlanta, Georgia
Tuf-flex Glass; Elmhurst, Illinois
Tuf-flex Glass; Irving, Texas
Tuf-flex Glass; Saddle Brook, New Jersey
Tuf-flex Glass; Union City, California
Tyre Brothers Glass Company; Los Angeles, California
Virginia Glass Products Corporation; Martinsville, Virginia

SGCC-1107 Unlimited size
SGCC-1067 Unlimited size
SGCC- 975 Unlimited size
SGCC-1036 Unlimited size
SGCC-1186 Unlimited size
SGCC- 348 Unlimited size
SGCC- 594 Unlimited size
SGCC-1089 Unlimited size
SGCC-1058 Unlimited size
SGCC-1045 Unlimited size
SGCC- 725 Unlimited size
SGCC-1170 Unlimited size
SGCC- 668 Unlimited size
SGCC- 322 Unlimited size
SGCC- 258 Unlimited size
SGCC- 391 Unlimited size
SGCC- 314 Unlimited size
SGCC- 482 Unlimited size
SGCC- 254 Unlimited size
SGCC- 93 Unlimited size

1/2 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4
Bennett's; Salt Lake City, Utah
C-E Glass; Carson, California
C-E Glass; Tampa, Florida
Cal-Temp; Santa Fe Springs, California
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania
Colonial Mirror and Glass Corporation; Brooklyn, New York
Downey Glass Company, Inc.; Los Angeles, California
Falconer Glass Industries, Inc.; Falconer, New York
Fulton Glass Industries, Inc.; Red Oak, Georgia
Guardian Industries Corporation; Carleton, Michigan
Guardian Industries Corporation; Fort Lauderdale, Florida
Guardian Industries Corporation; Torrance, California
LOF Glass; Clinton, North Carolina
LOF Glass; Laurinburg, North Carolina
LOF Glass; Rossford, Ohio
Milgard Manufacturing, Inc.; Tacoma, Washington
PPG Industries, Inc.; Baltimore, Maryland
PPG Industries, Inc.; Chicago, Illinois
PPG Industries, Inc.; Dallas, Texas
Pacific Tempering Company, Inc.; Long Beach, California
Shaw Glass Company, Inc.; Stoughton, Massachusetts
Temp-Safe, Inc.; Edmond, Oklahoma
Tempered Glass Corporation; Tampa, Florida
Tempglass, Inc.; Perrysburg, Ohio
Tempglass, Ltd.; Weston, Ontario, Canada
Tempglass Eastern, Inc.; Norcross, Georgia
Tempglass Southern, Inc.; Grand Prairie, Texas
Tempglass Western, Inc.; Fremont, California
Templex, C. A.; Caracas, Venezuela
Texas Tempered Glass Company; Houston, Texas
Tuf-flex Glass; Atlanta, Georgia

SGCC- 346 Unlimited size
SGCC- 992 Unlimited size
SGCC- 413 Unlimited size
SGCC- 896 Unlimited size
SGCC- 640 Unlimited size
SGCC- 182 Unlimited size
SGCC-1167 Unlimited size
SGCC- 516 Unlimited size
SGCC- 711 Unlimited size
SGCC-1127 Unlimited size
SGCC- 263 Unlimited size
SGCC-1004 Unlimited size
SGCC- 98 Unlimited size
SGCC-1077 Unlimited size
SGCC- 375 Unlimited size
SGCC- 150 Unlimited size
SGCC-1104 Unlimited size
SGCC- 475 Unlimited size
SGCC- 648 Unlimited size
SGCC-1108 Unlimited size
SGCC-1055 Unlimited size
SGCC-1037 Unlimited size
SGCC- 488 Unlimited size
SGCC- 338 Unlimited size
SGCC- 595 Unlimited size
SGCC-1090 Unlimited size
SGCC-1059 Unlimited size
SGCC-1046 Unlimited size
SGCC- 726 Unlimited size
SGCC-1171 Unlimited size
SGCC- 669 Unlimited size
SGCC- 323 Unlimited size

ANSI

July 1, 1981; SGCC 25

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

1/2 inch tempered transparent glass—continued

Tuf-flex Glass; Elmhurst, Illinois	SGCC- 270	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 392	Unlimited size
Tuf-flex Glass; Saddle Brook, New Jersey	SGCC- 315	Unlimited size
Tuf-flex Glass; Union City, California	SGCC- 483	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC- 255	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 94	Unlimited size

5/8 inch tempered transparent glass

LOF Glass; Rossford, Ohio	SGCC- 544	Unlimited size
---------------------------	-----------	----------------

3/4 inch tempered transparent glass

Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 712	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1079	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 151	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 952	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1047	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 948	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 95	Unlimited size

7/8 inch tempered transparent glass

LOF Glass; Rossford, Ohio	SGCC- 444	Unlimited size
---------------------------	-----------	----------------

TEMPERED PATTERN GLASS

1/8 inch tempered pattern glass (shallow patterns)

AFG Industries, Inc.; Greenland, Tennessee	SGCC- 587	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 141	Unlimited size
C-E Glass; Carson, California	SGCC- 452	Unlimited size
C-E Glass; Fullerton, California	SGCC-1138	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC- 904	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 604	Unlimited size
Hehr International, Inc.; Chesaning, Michigan	SGCC-1175	32" by 60"
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 987	Unlimited size

1/8 inch tempered pattern glass (medium patterns)

Downey Glass Company, Inc.; Downey, California	SGCC- 605	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC- 654	Unlimited size

5/32 inch tempered pattern glass (shallow patterns)

C-E Glass; Warrenton, Missouri	SGCC-1136	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1105	Unlimited size

5/32 inch tempered pattern glass (medium patterns)

C-E Glass; Carson, California	SGCC- 941	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC- 920	Unlimited size

3/16 inch tempered pattern glass (shallow patterns)

AFG Industries, Inc.; Greenland, Tennessee	SGCC-1139	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC-1143	Unlimited size
C-E Glass; Carson, California	SGCC- 414	Unlimited size
C-E Glass; Fullerton, California	SGCC-1160	Unlimited size
C-E Glass; Warrenton, Missouri	SGCC-1009	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 607	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 935	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC- 188	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM CERTIFIED SIZE

3/16 inch tempered pattern glass (deep patterns)

Ohio Plate Glass Company; Lewisburg, Ohio

SGCC- 328 Unlimited size

210 inch tempered pattern glass (shallow patterns)

C-E Glass; Atlanta, Georgia

C-E Glass; Miami, Florida

Hamilton Glass Products, Inc.; Vincennes, Indiana

SGCC-1008 Unlimited size

SGCC-1006 Unlimited size

SGCC-1179 Unlimited size

210 inch tempered pattern glass (medium patterns)

Bennett's; Salt Lake City, Utah

SGCC- 994 Unlimited size

7/32 inch tempered pattern glass (shallow patterns)

AFG Industries, Inc.; Greenland, Tennessee

AFG Industries, Inc.; Kingsport, Tennessee

Bennett's; Salt Lake City, Utah

C-E Glass; Carson, California

C-E Glass; Warrenton, Missouri

Cal-Temp; Santa Fe Springs, California

Downey Glass Company, Inc.; Downey, California

Downey Glass Company, Inc.; Los Angeles, California

Fulton Glass Industries, Inc.; Red Oak, Georgia

Guardian Industries Corporation; Fort Lauderdale, Florida

Guardian Industries Corporation; Torrance, California

Northwestern Industries, Inc.; Seattle, Washington

Ohio Plate Glass Company; Lewisburg, Ohio

PPG Industries, Inc.; Baltimore, Maryland

PPG Industries, Inc.; Chicago, Illinois

PPG Industries, Inc.; Dallas, Texas

PPG Industries, Inc.; Miami, Florida

Pacific Tempering Company, Inc.; Long Beach, California

Shaw Glass Company, Inc.; Stoughton, Massachusetts

Tempered Glass Corporation; Tampa, Florida

Tempglass, Inc.; Perrysburg, Ohio

Tempglass Eastern, Inc.; Norcross, Georgia

Tempglass Southern, Inc.; Grand Prairie, Texas

Tempglass Western, Inc.; Fremont, California

Tuf-flex Glass; Irving, Texas

Tuf-flex Glass; Union City, California

Tyre Brothers Glass Company; Los Angeles, California

Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 588 Unlimited size

SGCC- 31 Unlimited size

SGCC- 993 Unlimited size

SGCC- 619 Unlimited size

SGCC- 344 Unlimited size

SGCC- 641 Unlimited size

SGCC- 608 Unlimited size

SGCC- 678 Unlimited size

SGCC-1128 Unlimited size

SGCC- 617 Unlimited size

SGCC- 264 Unlimited size

SGCC- 707 Unlimited size

SGCC- 562 Unlimited size

SGCC- 456 Unlimited size

SGCC- 653 Unlimited size

SGCC- 404 Unlimited size

SGCC- 219 Unlimited size

SGCC-1162 Unlimited size

SGCC-1071 Unlimited size

SGCC-1118 Unlimited size

SGCC- 597 Unlimited size

SGCC- 988 Unlimited size

SGCC-1068 Unlimited size

SGCC- 891 Unlimited size

SGCC- 818 Unlimited size

SGCC-1141 Unlimited size

SGCC- 256 Unlimited size

SGCC- 92 Unlimited size

7/32 inch tempered pattern glass (medium patterns)

AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4

C-E Glass; Carson, California

C-E Glass; Miami, Florida

SGCC-1087 Unlimited size

SGCC- 620 Unlimited size

SGCC-1007 Unlimited size

7/32 inch tempered pattern glass (deep patterns)

C-E Glass; Tampa, Florida

SGCC-1119 Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

LAMINATED GLASS

7/32 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania
Guardian Industries Corporation; Upper Sandusky, Ohio
Safelite Industries; Wichita, Kansas
Safelite Industries; Wichita, Kansas
Texas Tempered Glass Company; Houston, Texas

SGCC- 378 Unlimited size
SGCC- 458 Unlimited size
SGCC-1173 Unlimited size
SGCC-1174 Unlimited size
SGCC-1159 Unlimited size

1/4 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania
Guardian Industries Corporation; Upper Sandusky, Ohio
Societa Italiana Vetro S.p.A.; San Salvo, Italy

SGCC- 379 Unlimited size
SGCC- 487 Unlimited size
SGCC-1188 Unlimited size

5/16 inch laminated transparent glass

PPG Industries, Inc.; Creighton, Pennsylvania

SGCC-1177 Unlimited size

3/8 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC- 380 Unlimited size

7/16 inch laminated transparent glass

PPG Industries, Inc.; Creighton, Pennsylvania

SGCC-1190 Unlimited size

1/2 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania

SGCC- 381 Unlimited size

17/32 inch laminated transparent glass

PPG Industries, Inc.; Creighton, Pennsylvania

SGCC-1178 Unlimited size

TRANSPARENT WIRED GLASS

1/4 inch polished wired glass

Central Glass Company, Ltd.; Tokyo, Japan
Central Glass Company, Ltd.; Tokyo, Japan

SGCC- 508 Unlimited size
SGCC-1117 Unlimited size

SAFETY PLASTIC SHEET

0.080 inch and greater thicknesses acrylic

Rotuba Extruders, Inc.; Linden, New Jersey

SGCC- 316 Unlimited size

0.080 though 0.125 inch acrylic

Flex-O-Glass, Inc.; Dixon, Illinois
Sheffield Plastics, Inc.; Sheffield, Massachusetts

SGCC- 118 Unlimited size
SGCC- 173 Unlimited size

0.100 inch acrylic

Manchester Products Company; Chatsworth, California

SGCC- 567 Unlimited size

* * * * *

SGCC LABEL REQUIREMENTS

The SGCC certification label must be permanently marked on each piece of safety glazing material or else it is not covered by the SGCC certification program. The typical labels reproduced in this certified products directory are the same size that you will find on each piece of safety glazing material.

The permanent label must contain the SGCC number, ANSI Z97.1-1975, the nominal thickness, and the letter U or L indicating certified size.

For labeling purposes, a line of demarcation shall separate those standards covered by the SGCC number from any other standards the licensee wishes 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. (See examples below.)

"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 Z97.1-1975—INDOOR USE ONLY" and shall be marked also with the manufacturer's distinctive mark or designation." Quoted from ANSI Z97.1-1975.

"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 Z97.1-1975.

The permanent label must contain identification of the plant in which the product was made and the name or trade mark of the licensee. (The SGCC number does this by reference to this certified products directory.)

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 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 when certification was obtained.

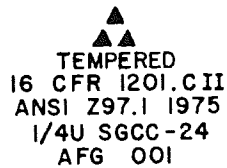
EXAMPLES:

ANSI Z97.1-1975
16 CFR 1201 II
SGCC-123/691 1/4 U

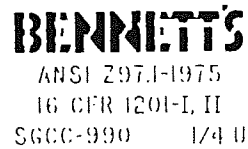
ANSI Z97.1-1975 SGCC-123 1/4 U
16 CFR 1201 II SGCC-691

EXAMPLE OF LICENSEE'S TYPICAL LABEL

AFG INDUSTRIES, INC.
P.O. Box 929
Kingsport, Tennessee 37662



BENNETT'S
2132 South 300 West
Salt Lake City, Utah 84115



ANGLASS INDUSTRIES, INC.
12364 Gladstone Avenue
San Fernando, California 91342



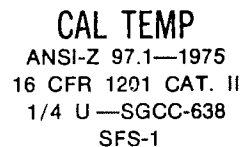
C-E GLASS
825 Hylton Road
Pennsauken, New Jersey 08110



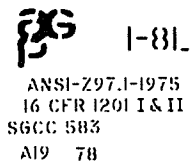
ARDCO, INC.
12400 South Laramie Avenue
Chicago, Illinois 60658



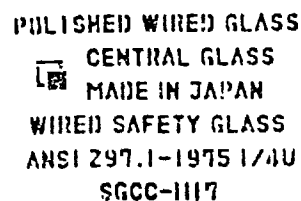
CAL-TEMP; CALIFORNIA GLASS DISTRIBUTORS
9010 South Norwalk Boulevard
Santa Fe Springs, California 90670



ARTISTIC GLASS PRODUCTS COMPANY
P.O. Box 785
Quakertown, Pennsylvania 18951



CENTRAL GLASS COMPANY, LTD.
U.S.A. Office
250 Park Avenue; Suite 817
New York, New York 10017



EXAMPLE OF LICENSEE'S TYPICAL LABEL

CHROMALLOY AMERICAN CORPORATION
250 King Manor Drive
King of Prussia, Pennsylvania 19406



FALCONER GLASS INDUSTRIES, INC.
500 South Work Street
Falconer, New York 14733

FALCONER GLASS IND., INC.
DURASAFE 3/4" U
TEMPERED SAFETY GLASS
ANSI Z97.1-1975
16CFR 1201 II S GCC-712

COLONIAL MIRROR AND GLASS CORPORATION
142 19 Street
Brooklyn, New York 11232

Tentative Label

ANSI Z97.1-1975
16 CFR 1201 II
S GCC-1164 3/16U

FEATHER-LITE MANUFACTURING COMPANY
1210 East Maple Road
Troy, Michigan 48084

SAFETY PANE

TEMPERED SAFETY GLASS
ANSI Z97.1-1975 S GCC 506 1/8U
16 CFR 1201 I & II

DOULTON TEMPERED GLASS, LTD.
Ripley Road
Bradford, West Yorkshire BD47TP
England



FLEX-O-GLASS, INC.
1100 North Cicero Avenue
Chicago, Illinois 60651

Warps
FLEX-O-GLAZE™
ACRYLIC SAFETY GLAZING
16 CFR 1201 CII
.100U
ANSI Z97.1-75 S GCC-119

DOWNEY GLASS COMPANY, INC.
5631 Ferguson Drive
Los Angeles, California 90022



FORD MOTOR COMPANY GLASS DIVISION
300 Renaissance Center; P.O. Box 43343
Detroit, Michigan 48243



EXAMPLE OF LICENSEE'S TYPICAL LABEL

FULTON GLASS INDUSTRIES, INC.
5225 Welcome All Road
Red Oak, Georgia 30272

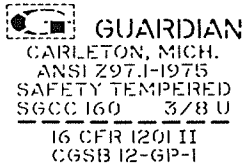
FULTONTEMP
SGCC 1134 1/2" U
16 CFR 1201-II
SGCC 1127
ANSI Z97.1 1975



LOF GLASS
LIBBEY-OWENS-FORD COMPANY
811 Madison Avenue
Toledo, Ohio 43695



GUARDIAN INDUSTRIES CORPORATION
43043 West Nine Mile Road
Northville, Michigan 48167



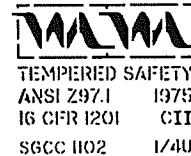
MANCHESTER PRODUCTS COMPANY
8966 Mason Avenue
Chatsworth, California 91311

MANCHESTER PRODUCTS CO.
ANSI-Z97.1 1975
100U SGCC 567

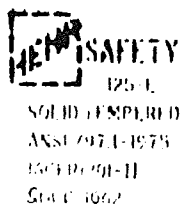
HAMILTON GLASS PRODUCTS, INC.
2000 Chestnut Street
Vincennes, Indiana 47591

TEMPER TUF
HAMILTON GLASS PRODUCTS
ANSI Z97.1 - 1975
1/4 U SGCC - 57
16 CFR 1201 C II

MILGARD MANUFACTURING, INC.
1010 54 Avenue, East
Tacoma, Washington 98424



HEHR INTERNATIONAL, INC.
1103 West Pearl Street
Chesaning, Michigan 48616



NORTHWESTERN INDUSTRIES, INC.
2501 West Commodore Way
Seattle, Washington 98199



EXAMPLE OF LICENSEE'S TYPICAL LABEL

OHIO PLATE GLASS COMPANY
P.O. Box 671
Lewisburg, Ohio 45338

TEMPERED
SGCC 105
OHIO PLATE
3/16" U 16CFR1201-II
ANSI Z97.1-1975

 81 HL


ROTUBA EXTRUDERS, INC.
1401 Park Avenue South
Linden, New Jersey 07036

ROTUBAGLAZ® 16 CFR 1201, I/U
ACRYLIC SAFETY GLAZING
ANSI Z97.1-1975
SGCC-316 .080U

PPG INDUSTRIES, INC.
1000 RIDC Plaza
P.O. Box 2811
Pittsburgh, Pennsylvania 15230

PPG HERCULITE K
TEMPERED SAFETY GLASS
16CFR1201 CII
ANSI Z-97.1-1975 1/8" U
SGCC-295 156H 367H

SAFELITE INDUSTRIES
P.O. Box 1879
Wichita, Kansas 67201

LAMINATED
SAFE  LITE
ANSI Z97.1-1975
7/32U SGCC-1174
16CFR1201-CII

PPG INDUSTRIES CANADA, LTD.
1299 20th Street, East
Owen Sound, Ontario, N4K 2C3
Canada

PPG HERCULITE K
TEMPERED TREMPÉ
CAN2-12.1 DOT 165
.....
16 CFR 1201 C11
ANSI Z97.1-1975
SGCC-209 5.0mm U
840181

SHAW GLASS COMPANY, INC.
P.O. Box 410
Stoughton, Massachusetts 02072

SOLAR TEMP.
16 CFR 1201 II

ANSI Z 97.1 1975
1/4 U SGCC 1035

PACIFIC TEMPERING COMPANY, INC.
2845 East Broadway
Long Beach, California 90803

LB TEMP
ANSI Z97.1 1975

16 CFR 1201.C11
1/4U SGSS-974

SHEFFIELD PLASTICS, INC.
Salisbury Road
Sheffield, Massachusetts 01257

ACRY-PANE
ANSI Z97.1-1975
16CFR 1201 II
SGCC 173
K2497 .095U

EXAMPLE OF LICENSEE'S TYPICAL LABEL

SOCIETA ITALIANA VETRO S.p.A.
c/o Inter-Glass Corporation
240-28 Bayview Avenue
Douglas Manor, New York 11363

Tentative Label

ANSI Z97.1-1975
16 CFR 1201 II
SGCC-1188 1/4U

TEMPGLASS, INC.
Willis Day Industrial Park
291 M Street
Perrysburg, Ohio 43551

TEMPGLASS, INC.
16 CFR 1201 CII
ANSI Z97.1-1975
SGCC 594
3/8" U (1)

TEMP-SAFE, INC.
3000 South Kelley
Edmond, Oklahoma 73034

TEMP-SAFE
TEMPERED
SAFETY GLASS
ANSI Z97.1-1975
SGCC-488-1/2 U

TEMPGLASS, LTD.
131 Ormont Drive
Weston, Ontario M9L 2S3
Canada



TEMPGLASS LTD.
16 CFR 1201-11
ANSI Z97 1-1975
SGCC 1095-1/4" U

TEMP-TECH INDUSTRIES, INC.
6166 South Sayre
Chicago, Illinois 60638

TEMPERED GLASS
E I E 16 CFR 1201-11
M C ANSI Z97.1-1975
P H SGCC 986-1/2 U

TEMPGLASS EASTERN, INC.
Blueridge Industrial Park
P.O. Box 928
Norcross, Georgia 30071

TEMPGLASS
EASTERN
ANSI Z97.1-1975
16 CFR 1201-II
SGCC-979 1/8" U
07 79

TEMPERED GLASS CORPORATION
6900 Adamo Drive
Tampa, Florida 33619

TEMCO
SGCC-338 .500U
SGCC-834
16 CFR 1201-II
ANSI Z97.1 1975

TEMPGLASS SOUTHERN, INC.
1101 Fountain Parkway
Grand Prairie, Texas 75051

TEMPGLASS SOUTHERN
ANSI Z97.1 - 1975
SGCC 1043 3/16" U
16 CFR 1201 - 11

EXAMPLE OF LICENSEE'S TYPICAL LABEL

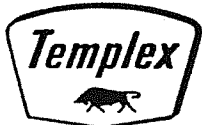
TEMPGLASS WESTERN, INC.
48999 Kato Road
Fremont, California 94538

TEMPGLASS WESTERN
ANSI Z97.1 - 1975
SGCC 948 3/4" - U
16 CFR 1201 - 11

TUF-FLEX GLASS
LIBBEY-OWENS-FORD COMPANY
811 Madison Avenue
Toledo, Ohio 43695

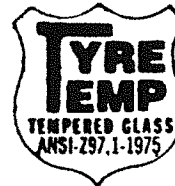
• Tuf-flex Glass 1/4"-U D •
• TEMPERED SAFETY GLASS •
ANSI Z97.1-1975 16 CFR 1201-1&11
• SGCC-298 SGCC-876 •

TEMPLEX, C. A.
P.O. Box 61747
Caracas, Venezuela



ANSI Z97.1-1975
16CFR1201 II
SGCC-1168 1/4 U

TYRE BROTHERS GLASS COMPANY
3008 South San Pedro Street
Los Angeles, California 90011

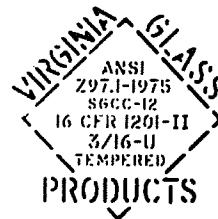


16 CFR 1201 I & II
SGCC 255 .500U

TEXAS TEMPERED GLASS COMPANY
1331 West Belt Drive North
Houston, Texas 77043

TTG ANSI Z97.1-1975 .375U
SGCC 688
16 CFR 1201-2
TEXAS TEMPERED GLASS CO.
HOUSTON, TEXAS

VIRGINIA GLASS PRODUCTS CORPORATION
P.O. Box 5431
Martinsville, Virginia 24112



TRIDENT CONSOLIDATED INDUSTRIES, INC.
18751 East Railroad Street
City of Industry, California 91748



TRI-TEMP
ANSI-Z97.1-1975
16 CFR1201 11
SGCC-1151 3/16 U

SGCC APPROVED TESTING LABORATORIES

Bowser-Morner Testing Laboratories, Inc.
420 Davis Avenue; Box 51
Dayton, Ohio 45401
Attention: Mr. R. J. Rosencrans
Telephone 513-253-8805

ETL Testing Laboratories, Inc.
1960 Will Ross Court
Chamblee, Georgia 30341
Attention: Mr. Burr Bachler
Telephone 404-458-7763

ETL Testing Laboratories, Inc.
Route 11 Industrial Park
Cortland, New York 13045
Attention: Mr. Claude F. Robb
Telephone 607-753-6711

Inspection and Research Laboratory, Inc.
4749 West State Street; Building H
Ontario, California 91761
Attention: Mr. W. Bradford Smith
Telephone 714-591-1789

Miami Testing Laboratory, Inc.
1640 West 32 Place
Hialeah, Florida 33012
Attention: Mr. James W. Bailey
Telephone 305-822-1141

Patzig Testing Laboratories Company, Inc.
3922 Delaware Avenue
Des Moines, Iowa 50313
Attention: Mr. Byron A. Marks, P.E.
Telephone 515-266-5101

Southwestern Laboratories
2900 Cullen Street
Fort Worth, Texas 76101
Attention: Mr. Wayne Tessener
Telephone 817-332-5181

PROCEDURAL GUIDE
SAFETY GLAZING CERTIFICATION COUNCIL
CERTIFICATION PROGRAM FOR
SAFETY GLAZING MATERIALS USED IN BUILDINGS

FOREWARD

Acceptance of a certified product containing safety glazing materials comes with the conviction that such certification assures a high level of safety and quality and that the integrity of the identifying mark or certification label is being reliably maintained by a competent certifying agency.

The provisions of American National Standard Z97.1 provide a sound technical basis for the required high level of safety. With the addition of independent administration plus periodic routine sampling and product evaluation, a program of product certification is developed in accordance with the accepted American National Standards as contained in American National Standard Z34.1. The Certification Program described here is predicated upon the concept of independent and impartial administration of the certification procedures which are incorporated in the SGCC license agreement.

To insure administration of the Certification Program in a uniform and equitable manner, this Procedural Guide has been prepared for the information and guidance of the licensees.

It should be noted that the *SGCC License Agreement* is the governing document for operation of the Certification Program. This Procedural Guide, which is *not* an extension of that document, serves merely to describe the administrative procedure and routine operation of the Certification Program.

GENERAL INFORMATION

THE CERTIFICATION CONCEPT

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

To buyers, specifiers, code officials and users, the SGCC certification label offers the manufacturer's *assurance* that his safety glazing material has been *produced in conformance* to American National Standard Z97.1 covering safety glazing materials used in buildings.

Many state laws, municipal ordinances and building codes require that all glazing installed in certain pre-defined *hazardous* locations comply with the ANSI standard. This standard, promulgated by the American National Standards Institute, *requires* certification in accordance with ANSI Z34.1 prior to labeling safety glazing materials as conforming to ANSI Z97.1.

WHO CAN PARTICIPATE?

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 this certification program. SGCC supervises the certification program under which the Administrator periodically checks and reports compliance of the manufacturers of products having the SGCC certification label with the requirements of ANSI Z97.1.

ADMINISTRATION

Certification Services Corporation (CSC), is the independent *Administrator* of the Certification Program. CSC maintains the SGCC Office of Certification and handles 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 the testing laboratory to send to SGCC one copy of a valid test report from an official SGCC recognized testing laboratory indicating full and complete compliance with the Specifications, namely ANSI Z97.1. (This is the "initial" or "prototype" testing and the sample is furnished by the manufacturer directly to any one of the SGCC recognized independent commercial testing laboratories, which the manufacturer selects.)
- c) The manufacturer sends to SGCC the six-month certification fee *for each item which is to be certified*.

After receipt of *all* of the above items, SGCC sends to the licensee a Notice of Product Certification which includes a SGCC Certification Number. This number *must* be incorporated into the permanent label to be affixed on each piece of certified safety glazing material. The certified item will then be listed in the next published Certified Products Directory.

HOW THE CERTIFICATION PROGRAM WORKS

The *American National Standards Institute* sets safety standards and safety glazing materials *must meet or exceed* applicable ANSI standards before they can be certified by SGCC. Specifications for safety glazing materials used in buildings are developed and reviewed at least every five years by ANSI.

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

ADMINISTRATOR AUTHORIZES CERTIFICATION

As sole judge of compliance with applicable standards, the Administrator authorizes a product which has been approved to be listed in the Certified Products Directory.

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

PRODUCTS LISTED IN CERTIFIED PRODUCTS DIRECTORY

Approved products are listed in the Certified Products Directory, which is published at least every six months. It 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 a copy of the actual label that is *permanently* marked upon each piece of certified safety glazing material.

The *administrator samples certified glazing material* from the licensee's inventory once every six months.

An *approved testing laboratory determines compliance* of these samples with the Specifications. Tests are made either at the place of manufacture or at the laboratory selected by the Administrator from the approved list. Results of each test are mailed promptly to the licensee by the Administrator.

COMPLIANCE SAFEGUARDS

HOW IS COMPLIANCE ASSURED?

Any certified product found in the course of routine sampling and evaluation not to be in compliance with the Specifications, is subject to having certification removed. The licensee is given a 30-day grace period in which to demonstrate to the satisfaction of the Administrator that his product is in compliance. If he does not, certification is *automatically terminated* 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 the complaint in writing along with an appropriate 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 \$250 per man day *plus* the reasonable costs 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 may be voluntarily withdrawn from the Certification Program by the licensee at any time.

COSTS

WHAT DOES THE PROGRAM COST?

The licensee pays all projected fees to SGCC on a six-month basis, in advance. A licensee is invoiced for each item that is certified and listed separately in the Certified Products Directory. The invoice will include the fees for future routine evaluation testing.

Initial certification for each item will be for a period of six months. However, the next invoice to a licensee will have the fees prorated to the nearest whole month in such a manner that participation in the Certification Program will be on a January 1 to July 1 and July 1 to January 1 basis.

PROGRAM COSTS:

\$505 administrative fee plus \$30 contingency fund fee per six months plus necessary laboratory fees for the first item at a plant for the ANSI program.

\$65 administrative fee plus \$15 contingency fund fee per six months plus necessary laboratory fees for each subsequent item at the same plant for the ANSI program.

\$630 administrative fee plus \$30 contingency fund fee per six months plus necessary laboratory fees for the first item at a plant for the composite program.

\$80 administrative fee plus \$15 contingency fund fee per six months plus necessary laboratory fees for each subsequent item at the same plant for the composite program.

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 becomes effective on the date of its execution; has an initial duration of six months (adjustable to a January 1 to July 1 or a July 1 to January 1 basis), and is automatically renewed for successive, additional periods of six months, unless either party gives notice at least sixty days prior to the date of expiration that cancellation is requested or unless revoked by SGCC for causes set forth in the document.

Upon proper execution and acceptance by SGCC the *preissued certification number bond* informs a licensee of the exact mark of an item to be certified in the future. Thus he can purchase the proper marking equipment before the item is actually certified. If the licensee marks this number upon production prior to actual certification the bond is forfeited to SGCC.

Upon proper execution and acceptance by SGCC the *test release bond* permits the continuation of certification of an item even though the 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 Certification Services Corporation, governs the relationship between SGCC and CSC, 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 Specifications
- d) inspects and approves all in-plant and test laboratory test facilities for use in this Certification Program (test laboratories are "recognized" or approved by the SGCC Certification Committee)
- e) publishes and mails the SGCC Certified Products Directory on or about each January 1 and July 1
- f) handles all routine clerical duties of SGCC with respect to certification matters
- g) acts as SGCC treasurer, invoicing licensees, maintaining a bank account and dispersing funds (fiscal reports are made to the SGCC Certification Committee)
- h) furnishes all testing except for 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.

PROCEDURAL GUIDE

This guide outlines program procedures in accordance with the provisions of the License Agreement and the Administration Service Agreement, for the guidance of those concerned with the procedural details of the Certification Program's operation. It covers the steps to be taken in any given procedural situation in the interest of equitable and uniform treatment of licensees and the preservation of the integrity of the Certification Program.

CERTIFIED PRODUCTS DIRECTORY

This directory is the one document and publication that is normally in the public's eye and contains a listing of the certified safety glazing materials of each licensee.

CERTIFICATION LABEL

This certification mark is permanently affixed to each piece of certified safety glazing material by the licensee. It contains a code that refers to the listing in the Certified Products Directory. The listing then provides a complete product description including the company 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 the industry, building officials and the public. It also bears legal corporate responsibility.

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

- a) establishes certification "guidelines"
- b) determines the applicability of the Specifications in a specific situation where a question is raised by a licensee or the Administrator
- c) approves test laboratories
- d) determines which of the 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:

SGCC Board of Directors
Mr. Robert D. Lauter
Libbey-Owens-Ford Company
811 Madison Avenue
Toledo, Ohio 43695

Telephone 419-247-3770

SGCC Certification Committee
Mr. Pieter Knorr
C-E Glass
825 Hylton Road
Pennsauken, New Jersey 08110

Telephone 609-662-0400

SGCC
Mr. Robert A. Nance, P.E.
Administrative Manager
1640 West 32 Place
Hialeah, Florida 33012

Telephone 305-558-1352

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 July 1 and July 1 to January 1 basis. Charges will be prorated to the nearest whole month based on the date of approval of certification.

G.2

Tests for initial compliance of safety glazing materials to ANSI Z97.1-1975 will be accepted from any testing laboratory approved by the SGCC certification committee.

G.3

Paragraph (1) Section 4.1.3 of ANSI Z97.1-1975 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 since the Certified Products Directory which lists the item number and pertinent data is published twice a year.

G.6

a) All test specimens, except for prototype samples, must be marked with the correct SGCC permanent label prior to testing in order to be considered a valid sample. The administrator shall construe the absence of a correct permanent label as a failure to comply with the Specifications. In such cases of noncompliance, Sections a, c, and e of G.11 shall be followed.

b) The laboratory shall verify that the label has the correct SGCC number, designation of the ANSI standard, nominal thickness, and certified size designation (U or L).

For labeling purposes, a demarcation line shall separate those standards covered by the SGCC number from any other standards the licensee wishes to reference.

c) The testing laboratory is to advise the administrator of any specimen that does not in fact bear the correct SGCC permanent label and 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.

e) As of January 1, 1978 the SGCC permanent label must contain ANSI Z97.1-1975 in order to be considered a correct permanent label for purposes of Guideline G.6.

f) For exterior plastics the SGCC permanent label must contain ANSI Z97.1a-1977. (See Guideline P.E.1.)

G.7

Safety glazing materials for which certification is requested for indoor use only shall be subjected to the provisions of section 4.1 (impact tests) and 4.5 (aging tests) of ANSI Z97.1-1975 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

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 by Table 1, ANSI Z97.1-1975 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 on 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 designated by the administrator.

Certification shall be removed if the sample and payment are not received within the allotted 30 days or if the sample submitted fails to comply with the Specifications.

b) Within 3 months the administrator shall obtain an additional random sample for evaluation (in addition to the routine evaluation sample obtained twice a year). The administrator shall be certain that this additional sample is of recent production.

c) At the option of the administrator, specimens submitted under (a) above shall be either prototype size and pattern or identical to those previously sampled and of recent production.

d) Certification shall be removed if the additional random sample obtained in (b) above fails to comply with the Specifications.

e) All costs related to G.11 are to be borne by the licensee.

G.12

If a licensee who manufactures a certified product outside the 48 contiguous States 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 administrator shall remove certification from all of any licensee's products for failure to pay any monies due to SGCC within 30 days of invoice date. (Reference License Agreement A.2, A.12 and B.6.)

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.

ANSI

42 SGCC; July 1, 1981

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

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 prior to closing date of the certified products directory.

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, 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 Z97.1-1975 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 that particular product be submitted for the retest sample required by the Guideline G.11a and also that 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 registered mail.

b) The SGCC administrator will immediately supply the licensee with test release bond forms for submission by the licensee.

c) Within 2 weeks after receipt of the bond forms, the licensee shall submit them to the SGCC administrator. A separate bond shall be submitted for each certified product affected.

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 application 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 registered 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 by 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

When a licensee specifically and voluntarily desires to use an SGCC permanent label on their product that denotes compliance with ANSI Z97.1-1966, ANSI Z97.1-1972 and ANSI Z97.1-1975 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 and ANSI Z97.1-1975 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 and 1975 versions or combination thereof of 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 16 CFR 1201 and ANSI Z97.1-1975 programs under one SGCC number provided the licensee submits four specimens to be impact tested to ANSI Z97.1-1975 and one specimen to be impact tested to 16 CFR 1201 (all architectural 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 tolerances as a failure to comply with the Specifications. In such cases of non compliance, Sections a, c, and e of G.11 shall be followed.

G.29

For the purposes of certification, the thickness requirements of Federal Specification DD-G-451D 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.

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.)

T.2
Polished plate glass and the rough plate glass blank from which it is produced will be considered to be of equal nominal thickness. Certification of tempered flat glass will therefore be interpreted as including tempered rough plate blank.

T.3
Certification of regular tempered glass will also cover tinted, heat absorbing and coated glasses of the same nominal thickness. Glasses of the same nominal thickness with a ceramic material applied as a continuous or partial coating to one or more surfaces prior to tempering are also covered.

T.4
In cases where certified tempered 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 does 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 may be performed on bent specimens or flat specimens fabricated using the same tempering furnace. 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 PATTERN GLASS

TP.1
For purposes of certification, the nominal thickness of patterned, figured, or rough rolled glass are the common fractions found in DD-G-451D. The permanent label must contain this fraction or a metric or decimal dimension within the tolerance of this thickness as published in DD-G-451D.

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

<u>Pattern depth class</u>	<u>Ratio</u>
Shallow pattern glass	0.90 or above
Medium pattern glass	0.80 to 0.89
Deep pattern glass	0.79 or below

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

In the case of 5/32 inch tempered pattern glass refer to DD-G-1403B because this thickness is not included in DD-G-451D.

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 pattern glass.

ANSI

44 SGCC; July 1, 1981

For tempered pattern glass, one specimen must be weighed and 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 pattern glass shall be 0.210 inches and thickness tolerances shall be plus 0.031 inches and minus 0.016 inches.

LAMINATED GLASS

L.1
Certification of regular laminated glass will also cover tinted, heat absorbing and coated glasses, both flat and bent of the same nominal thickness.

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 to 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 of 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. Polyurethane interlayer shall have a thickness tolerance of plus or minus 0.015 inches.

The tolerance of the polyvinylbutyral (PVB) 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.

L.8
Certification of laminated annealed glass may be extended to cover laminated heat strengthened, laminated tempered glass or a combination thereof, provided: a) the heat strengthened or tempered laminates are nominally equal to the nominal thickness of the annealed glass laminate certified; b) the plastic interlayer is equal to the nominal thickness and of the same chemical composition of the plastic interlayer certified (Guideline L.4 remains); c) after admission under the blanket certification covering the above mentioned laminates, all laminated glasses are subject to random sampling for testing by the administrator and d) certification of laminated tempered, laminated heat strengthened or combinations thereof does not extend to certification of annealed laminated glass.

WIRED GLASS

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 Z97.1-1975.

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.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 re-evaluation samples are to be selected by the administrator from any of the certified thicknesses.

P.3
The following thickness tolerances shall be used for certification purposes:

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

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

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

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

P.4
The maximum thickness shall be recorded when measuring the thickness of patterned plastics.

P.5
Certification of either smooth plastic or patterned plastic will not cover the other.

PLASTICS—EXTERIOR USE

PE.1
Sheet plastics for exterior use must comply with ANSI Z97.1a-1977.

PE.2
Certification of plastics for exterior use shall be permitted prior to completion of ANSI Z97.1-1975. Weathering Tests (paragraph 4.3) provided that a considered expert opinion states that the infrared spectrogram indicates that the plastic is an acrylic or UV inhibited polycarbonate of proven weatherability. Certification shall be removed if compliance with the weathering test is not demonstrated within six months of the certification date.

PE.3
For all plastics requiring UV weathering tests an infrared spectrogram shall be obtained of all prototype weathering specimens. An infrared spectrogram shall be obtained of all routine re-evaluation samples and shall be compared with that of the prototype in lieu of conducting weathering test. The spectral scan shall be made using a minimum film thickness of 0.002 inches or its equivalent.

PE.4
When initial Charpy unnotched specimens do not break, then notched specimens shall be used for both initial and exposed Charpy impact testing. The specimens shall be notched prior to UV exposure and the notched surface shall be exposed to the UV.

PLASTICS—INDOOR USE ONLY

PI.1
Sheet plastics used in indoor applications only, do not have to comply with paragraph 4.3 of ANSI Z97.1-1975 (UV Weathering) but must comply with paragraph 4.5.

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

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 Z97.1-1975 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 annealed glass, any such patterns available may be selected by the administrator for routine testing.

LG.2
Certification of one diamond shaped leaded patterned (annealed) glass 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 Z97.1-1975 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 annealed glass 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.

AG.2
The SGCC authorized permanent label, which complies with Guideline G.26 must be imprinted upon or applied to a surface of the plastic for all plastic coated annealed glasses.

AG.3
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 of 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.

**ANSI Z97.1-1975 Safety Performance Specifications and Methods of Test for Safety
Glazing Material Used in Buildings**

The purpose of ANSI Z97.1-1975 is to prescribe the functional properties of safety glazing materials so that they can be used in any place in buildings for which they possess the requisite characteristics. Intended to serve as a convenient reference for building officials, this new and important document is designed to provide a basis for standards that may be incorporated in federal, state, and local regulations.

Copies of ANSI Z97.1-1975 may be obtained from:

American National Standards Institute
1430 Broadway
New York, New York 10018

* * * * *

PROGRAM CONCEPT

The safety of the public is paramount. Manufacturers of safety glazing products, building code administrators and others responsible for the safety of the public, recognizing the need for a common standard for safety glazing materials, jointly established the Safety Glazing Certification Council (SGCC).

The Safety Glazing Certification Council is a non-profit organization which has established and maintains a program to administer periodic testing to the 16 CFR 1201 Standard, a recognized standard for safety glazing in buildings. This standard subjects glazing materials to a practical test to determine that if they are broken by human contact, they break in a manner that would minimize the likelihood of cutting or piercing injury. SGCC's responsibilities are threefold: to assure a periodic testing program is maintained; to approve and register the form of the manufacturer's label; and to withdraw the manufacturer's authority to use that label if its products do not meet 16 CFR 1201 standard.

Management and control of the program is vested in a board of directors, half representing industry and half representing public interest. The public interest representatives are empowered to veto any action regardless of the number present at a meeting. This insures against industry dominance of SGCC actions. The organization is operated in compliance with the American National Standard Practice for Certification Procedures Z34.1-1947 (R1959).

The program uses independent testing laboratories under the supervision of a qualified administrator, who is a professional engineer. He is unaffiliated with any manufacturer of safety glazing materials, and is hired by and responsible to the Safety Glazing Certification Council. The manufacturer of the products listed herein has certified that the labeled materials comply with the safety characteristics established by 16 CFR 1201. The compliance of the manufacturer with the requirements of that standard is being checked periodically by an independent testing laboratory under the supervision of SGCC.

Every manufacturer of safety glazing material is eligible and encouraged to apply for certification. However, his products are not accepted and certified until an independent laboratory test indicates compliance with the standard. Once certified, each product is assigned an SGCC certification number to identify it and the factory at which it is made. Then, at least twice a year SGCC independently selects samples during unannounced visits to the manufacturing plant or randomly from the market place to ensure continued adherence to the standard. Based on these re-evaluation reports SGCC authorizes continued use of the certification label and the product listing published in this directory.

The 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 products listing all manufacturers and their plants approved for each product. There is also an alphabetical listing by manufacturers illustrating a typical label of that manufacturer. The table of contents lists various procedural and administrative information, as well as information as to where officers and directors may be located.

Information from SGCC concerning a statement of procedures or copies of the minutes are available to manufacturers, public interest groups and individuals upon request.

CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 12	Virginia Glass	SGCC- 598	AFG Industries
SGCC- 14	Virginia Glass	SGCC- 638	Cal-Temp
SGCC- 24	AFG Industries	SGCC- 639	Cal-Temp
SGCC- 28	AFG Industries	SGCC- 640	Cal-Temp
SGCC- 31	AFG Industries	SGCC- 641	Cal-Temp
SGCC- 54	Hamilton Glass	SGCC- 668	Texas Tempered
SGCC- 56	Hamilton Glass	SGCC- 669	Texas Tempered
SGCC- 57	Hamilton Glass	SGCC- 675	PPG Industries
SGCC- 59	PPG Industries	SGCC- 676	PPG Industries
SGCC- 60	PPG Industries	SGCC- 680	PPG Industries
SGCC- 61	PPG Industries	SGCC- 701	Northwestern Industries
SGCC- 63	PPG Industries	SGCC- 702	Northwestern Industries
SGCC- 64	PPG Industries	SGCC- 703	Northwestern Industries
SGCC- 70	PPG Industries	SGCC- 704	Northwestern Industries
SGCC- 89	AFG Industries	SGCC- 707	Northwestern Industries
SGCC- 90	AFG Industries	SGCC- 708	Falconer Glass
SGCC- 92	Virginia Glass	SGCC- 709	Falconer Glass
SGCC- 93	Virginia Glass	SGCC- 710	Falconer Glass
SGCC- 94	Virginia Glass	SGCC- 711	Falconer Glass
SGCC- 95	Virginia Glass	SGCC- 712	Falconer Glass
SGCC- 118	Flex-O-Glass	SGCC- 723	Tempglass Western
SGCC- 137	Texas Tempered	SGCC- 724	Tempglass Western
SGCC- 141	AFG Industries	SGCC- 725	Tempglass Western
SGCC- 173	Sheffield Plastics	SGCC- 726	Tempglass Western
SGCC- 185	Ohio Plate Glass	SGCC- 727	Ford Motor Company
SGCC- 186	Ohio Plate Glass	SGCC- 728	Ford Motor Company
SGCC- 194	PPG Industries	SGCC- 729	Ford Motor Company
SGCC- 195	PPG Industries	SGCC- 730	Ford Motor Company
SGCC- 209	PPG Industries Canada	SGCC- 805	Downey Glass
SGCC- 220	AFG Industries	SGCC- 806	Downey Glass
SGCC- 245	AFG Industries	SGCC- 807	Downey Glass
SGCC- 246	AFG Industries	SGCC- 808	Downey Glass
SGCC- 249	PPG Industries	SGCC- 809	Downey Glass
SGCC- 250	PPG Industries	SGCC- 810	Downey Glass
SGCC- 251	PPG Industries Canada	SGCC- 811	Downey Glass
SGCC- 253	Tyre Brothers	SGCC- 812	Downey Glass
SGCC- 254	Tyre Brothers	SGCC- 813	Downey Glass
SGCC- 255	Tyre Brothers	SGCC- 814	Downey Glass
SGCC- 256	Tyre Brothers	SGCC- 815	Downey Glass
SGCC- 266	PPG Industries	SGCC- 817	Downey Glass
SGCC- 279	Ohio Plate Glass	SGCC- 832	Tempered Glass
SGCC- 295	PPG Industries	SGCC- 833	Tempered Glass
SGCC- 316	Rotuba Extruders	SGCC- 834	Tempered Glass
SGCC- 345	AFG Industries	SGCC- 835	Tempered Glass
SGCC- 346	AFG Industries	SGCC- 844	LOF Glass
SGCC- 400	PPG Industries	SGCC- 845	LOF Glass
SGCC- 402	PPG Industries	SGCC- 846	LOF Glass
SGCC- 454	PPG Industries	SGCC- 847	LOF Glass
SGCC- 455	PPG Industries	SGCC- 848	LOF Glass
SGCC- 489	AFG Industries	SGCC- 849	LOF Glass
SGCC- 583	Artistic Glass	SGCC- 850	LOF Glass
SGCC- 584	Artistic Glass	SGCC- 854	LOF Glass
SGCC- 585	Artistic Glass	SGCC- 855	LOF Glass
SGCC- 586	Feather-lite	SGCC- 856	LOF Glass
SGCC- 587	AFG Industries	SGCC- 857	LOF Glass
SGCC- 588	AFG Industries	SGCC- 858	LOF Glass
SGCC- 592	Tempglass	SGCC- 859	LOF Glass
SGCC- 593	Tempglass	SGCC- 860	LOF Glass
SGCC- 594	Tempglass	SGCC- 861	LOF Glass
SGCC- 595	Tempglass	SGCC- 862	Tuf-flex Glass
SGCC- 597	Tempglass	SGCC- 863	Tuf-flex Glass

CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 865	Tuf-flex Glass	SGCC-1068	Tempglass Southern
SGCC- 866	Tuf-flex Glass	SGCC-1071	Shaw Glass
SGCC- 867	Tuf-flex Glass	SGCC-1080	LOF Glass
SGCC- 868	Tuf-flex Glass	SGCC-1081	LOF Glass
SGCC- 869	Tuf-flex Glass	SGCC-1082	LOF Glass
SGCC- 870	Tuf-flex Glass	SGCC-1083	LOF Glass
SGCC- 872	Tuf-flex Glass	SGCC-1084	LOF Glass
SGCC- 873	Tuf-flex Glass	SGCC-1086	LOF Glass
SGCC- 874	Tuf-flex Glass	SGCC-1087	AFG Industries
SGCC- 875	Tuf-flex Glass	SGCC-1088	Ohio Plate Glass
SGCC- 876	Tuf-flex Glass	SGCC-1089	Tempglass, Ltd.
SGCC- 877	Tuf-flex Glass	SGCC-1090	Tempglass, Ltd.
SGCC- 878	Tuf-flex Glass	SGCC-1094	Tempglass, Ltd.
SGCC- 879	Tuf-flex Glass	SGCC-1095	Tempglass, Ltd.
SGCC- 880	Tuf-flex Glass	SGCC-1099	Milgard
SGCC- 881	Tuf-flex Glass	SGCC-1100	Milgard
SGCC- 882	Tuf-flex Glass	SGCC-1101	Milgard
SGCC- 891	Tempglass Western	SGCC-1102	Milgard
SGCC- 898	Tuf-flex Glass	SGCC-1103	Milgard
SGCC- 911	Vidrierias De Llodio	SGCC-1104	Milgard
SGCC- 912	Vidrierias De Llodio	SGCC-1105	Milgard
SGCC- 913	Vidrierias De Llodio	SGCC-1110	PPG Industries
SGCC- 920	Northwestern Industries	SGCC-1111	PPG Industries
SGCC- 927	PPG Industries	SGCC-1112	PPG Industries
SGCC- 940	AFG Industries	SGCC-1114	Downey Glass
SGCC- 948	Tempglass Western	SGCC-1115	Tempglass Eastern
SGCC- 949	AFG Industries	SGCC-1120	PPG Industries Canada
SGCC- 955	AFG Industries	SGCC-1131	Fulton Glass
SGCC- 958	Gateway Industries	SGCC-1132	Fulton Glass
SGCC- 960	Gateway Industries	SGCC-1133	Fulton Glass
SGCC- 972	Pacific Tempering	SGCC-1134	Fulton Glass
SGCC- 974	Pacific Tempering	SGCC-1135	Fulton Glass
SGCC- 975	Pacific Tempering	SGCC-1139	AFG Industries
SGCC- 979	Tempglass Eastern	SGCC-1140	Bennett's
SGCC- 981	Tempglass Eastern	SGCC-1143	AFG Industries
SGCC- 982	Tempglass Eastern	SGCC-1145	PPG Industries
SGCC- 986	Temp-Tech	SGCC-1148	Tempered Glass
SGCC- 987	Tempglass Eastern	SGCC-1149	Tuf-flex Glass
SGCC- 988	Tempglass Eastern	SGCC-1151	Trident
SGCC- 990	Bennett's	SGCC-1152	Trident
SGCC- 991	Bennett's	SGCC-1157	Cal-Temp
SGCC- 992	Bennett's	SGCC-1159	Texas Tempered
SGCC- 993	Bennett's	SGCC-1162	Pacific Tempering
SGCC- 994	Bennett's	SGCC-1163	Gateway Industries
SGCC-1003	Downey Glass	SGCC-1164	Colonial
SGCC-1010	Tuf-flex Glass	SGCC-1165	Colonial
SGCC-1034	Shaw Glass	SGCC-1166	Colonial
SGCC-1035	Shaw Glass	SGCC-1167	Colonial
SGCC-1036	Shaw Glass	SGCC-1168	Templex
SGCC-1037	Shaw Glass	SGCC-1169	Templex
SGCC-1039	Tempglass	SGCC-1170	Templex
SGCC-1043	Tempglass Southern	SGCC-1171	Templex
SGCC-1044	Tempglass Southern	SGCC-1174	Safelite Industries
SGCC-1045	Tempglass Southern	SGCC-1175	Hehr International
SGCC-1046	Tempglass Southern	SGCC-1176	Cal-Temp
SGCC-1047	Tempglass Southern	SGCC-1179	Hamilton Glass
SGCC-1050	Ohio Plate Glass	SGCC-1187	Tyre Brothers
SGCC-1055	Pacific Tempering	SGCC-1188	Societa Italiana Vetro
SGCC-1058	Tempglass Eastern	SGCC-1189	AFG Industries
SGCC-1059	Tempglass Eastern	SGCC-1191	AFG Industries
SGCC-1062	Hehr International	SGCC-1192	Texas Tempered

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

AFG Industries, Inc.; Cinnaminson, New Jersey

SGCC- 489	1/8	inch tempered transparent glass	Unlimited size
SGCC- 940	5/32	inch tempered transparent glass	Unlimited size
SGCC- 245	3/16	inch tempered transparent glass	Unlimited size
SGCC-1191	1/4	inch tempered transparent glass	Unlimited size

AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4

SGCC-1189	3/16	inch tempered transparent glass	Unlimited size
SGCC- 246	1/4	inch tempered transparent glass	Unlimited size
SGCC- 345	3/8	inch tempered transparent glass	Unlimited size
SGCC- 346	1/2	inch tempered transparent glass	Unlimited size
SGCC-1087	7/32	inch tempered pattern glass (m)	Unlimited size

AFG Industries, Inc.; Greenland, Tennessee

SGCC- 598	1/8	inch tempered transparent glass	Unlimited size
SGCC- 955	5/32	inch tempered transparent glass	Unlimited size
SGCC- 220	3/16	inch tempered transparent glass	Unlimited size
SGCC- 89	1/4	inch tempered transparent glass	Unlimited size
SGCC- 90	3/8	inch tempered transparent glass	Unlimited size
SGCC- 587	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1139	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 588	7/32	inch tempered pattern glass (s)	Unlimited size

AFG Industries, Inc.; Kingsport, Tennessee

SGCC- 949	5/32	inch tempered transparent glass	Unlimited size
SGCC- 28	3/16	inch tempered transparent glass	Unlimited size
SGCC- 24	1/4	inch tempered transparent glass	Unlimited size
SGCC- 141	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1143	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 31	7/32	inch tempered pattern glass (s)	Unlimited size

Artistic Glass Products Company; Trumbauersville, Pennsylvania

SGCC- 583	1/8	inch tempered transparent glass	13" by 19"
SGCC- 584	3/16	inch tempered transparent glass	15" by 24"
SGCC- 585	1/4	inch tempered transparent glass	15" by 24"

Bennett's; Salt Lake City, Utah

SGCC-1140	3/16	inch tempered transparent glass	Unlimited size
SGCC- 990	1/4	inch tempered transparent glass	Unlimited size
SGCC- 991	3/8	inch tempered transparent glass	Unlimited size
SGCC- 992	1/2	inch tempered transparent glass	Unlimited size
SGCC- 994	210	inch tempered pattern glass (m)	Unlimited size
SGCC- 993	7/32	inch tempered pattern glass (s)	Unlimited size

Cal-Temp; Santa Fe Springs, California

SGCC-1176	5/32	inch tempered transparent glass	Unlimited size
SGCC-1157	3/16	inch tempered transparent glass	Unlimited size
SGCC- 638	1/4	inch tempered transparent glass	Unlimited size
SGCC- 639	3/8	inch tempered transparent glass	Unlimited size
SGCC- 640	1/2	inch tempered transparent glass	Unlimited size
SGCC- 641	7/32	inch tempered pattern glass (s)	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Colonial Mirror and Glass Corporation; Brooklyn, New York

SGCC-1164	3/16	inch tempered transparent glass	Unlimited size
SGCC-1165	1/4	inch tempered transparent glass	Unlimited size
SGCC-1166	3/8	inch tempered transparent glass	Unlimited size
SGCC-1167	1/2	inch tempered transparent glass	Unlimited size

Downey Glass Company, Inc.; Downey, California

SGCC- 805	1/8	inch tempered transparent glass	Unlimited size
SGCC-1003	5/32	inch tempered transparent glass	Unlimited size
SGCC- 806	3/16	inch tempered transparent glass	Unlimited size
SGCC- 807	1/4	inch tempered transparent glass	Unlimited size
SGCC- 808	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC- 809	1/8	inch tempered pattern glass (m)	Unlimited size
SGCC- 810	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 811	7/32	inch tempered pattern glass (s)	Unlimited size

Downey Glass Company, Inc.; Los Angeles, California

SGCC- 812	3/16	inch tempered transparent glass	Unlimited size
SGCC- 813	1/4	inch tempered transparent glass	Unlimited size
SGCC- 814	3/8	inch tempered transparent glass	Unlimited size
SGCC- 815	1/2	inch tempered transparent glass	Unlimited size
SGCC-1114	3/16	inch tempered pattern glass (s)	Unlimited size
SGCC- 817	7/32	inch tempered pattern glass (s)	Unlimited size

Falconer Glass Industries, Inc.; Falconer, New York

SGCC- 708	3/16	inch tempered transparent glass	Unlimited size
SGCC- 709	1/4	inch tempered transparent glass	Unlimited size
SGCC- 710	3/8	inch tempered transparent glass	Unlimited size
SGCC- 711	1/2	inch tempered transparent glass	Unlimited size
SGCC- 712	3/4	inch tempered transparent glass	Unlimited size

Feather-lite Manufacturing Company; Malvern, Arkansas

SGCC- 586	1/8	inch tempered transparent glass	Unlimited size
-----------	-----	---------------------------------	----------------

Flex-O-Glass, Inc.; Dixon, Illinois

SGCC- 118	0.080	inch through 0.125 inch smooth extruded acrylic	Unlimited size
-----------	-------	---	----------------

Ford Motor Company; Dearborn, Michigan

SGCC- 727	1/8	inch tempered transparent glass	Unlimited size
SGCC- 728	5/32	inch tempered transparent glass	Unlimited size
SGCC- 729	3/16	inch tempered transparent glass	Unlimited size
SGCC- 730	1/4	inch tempered transparent glass	Unlimited size

Fulton Glass Industries, Inc.; Red Oak, Georgia

SGCC-1131	3/16	inch tempered transparent glass	Unlimited size
SGCC-1132	1/4	inch tempered transparent glass	Unlimited size
SGCC-1133	3/8	inch tempered transparent glass	Unlimited size
SGCC-1134	1/2	inch tempered transparent glass	Unlimited size
SGCC-1135	7/32	inch tempered pattern glass (s)	Unlimited size

Gateway Industries; Rogers, Arkansas

SGCC- 958	1/8	inch tempered transparent glass	Unlimited size
SGCC-1163	3/16	inch tempered transparent glass	Unlimited size
SGCC- 960	3/16	inch tempered pattern glass (d)	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Hamilton Glass Products, Inc.; Vincennes, Indiana

SGCC- 54 1/8 inch tempered transparent glass
 SGCC- 56 3/16 inch tempered transparent glass
 SGCC- 57 1/4 inch tempered transparent glass
 SGCC-1179 210 inch tempered pattern glass (s)

Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size

Hehr International, Inc.; Chesaning, Michigan

SGCC-1062 1/8 inch tempered transparent glass
 SGCC-1175 1/8 inch tempered pattern glass (s)

32" by 60"
 32" by 60"

LOF Glass; Clinton, North Carolina

SGCC-1080 3/16 inch tempered transparent glass
 SGCC-1081 1/4 inch tempered transparent glass
 SGCC-1082 5/16 inch tempered transparent glass
 SGCC-1083 3/8 inch tempered transparent glass
 SGCC-1084 1/2 inch tempered transparent glass
 SGCC-1086 3/4 inch tempered transparent glass

Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size

LOF Glass; Laurinburg, North Carolina

SGCC- 844 1/8 inch tempered transparent glass
 SGCC- 845 5/32 inch tempered transparent glass
 SGCC- 846 3/16 inch tempered transparent glass
 SGCC- 847 1/4 inch tempered transparent glass
 SGCC- 848 5/16 inch tempered transparent glass
 SGCC- 849 3/8 inch tempered transparent glass
 SGCC- 850 1/2 inch tempered transparent glass

Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size

LOF Glass; Rossford, Ohio

SGCC- 854 3/16 inch tempered transparent glass
 SGCC- 855 1/4 inch tempered transparent glass
 SGCC- 856 5/16 inch tempered transparent glass
 SGCC- 857 3/8 inch tempered transparent glass
 SGCC- 858 1/2 inch tempered transparent glass
 SGCC- 859 5/8 inch tempered transparent glass
 SGCC- 860 3/4 inch tempered transparent glass
 SGCC- 861 7/8 inch tempered transparent glass

Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size

Milgard Manufacturing, Inc.; Tacoma, Washington

SGCC-1099 1/8 inch tempered transparent glass
 SGCC-1100 5/32 inch tempered transparent glass
 SGCC-1101 3/16 inch tempered transparent glass
 SGCC-1102 1/4 inch tempered transparent glass
 SGCC-1103 3/8 inch tempered transparent glass
 SGCC-1104 1/2 inch tempered transparent glass
 SGCC-1105 5/32 inch tempered pattern glass (s)

Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size

Northwestern Industries, Inc.; Seattle, Washington

SGCC- 701 1/8 inch tempered transparent glass
 SGCC- 702 5/32 inch tempered transparent glass
 SGCC- 703 3/16 inch tempered transparent glass
 SGCC- 704 1/4 inch tempered transparent glass
 SGCC- 920 5/32 inch tempered pattern glass (m)
 SGCC- 707 7/32 inch tempered pattern glass (s)

Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size
 Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Ohio Plate Glass Company; Lewisburg, Ohio

SGCC-1050 1/8 inch tempered transparent glass
SGCC-1088 5/32 inch tempered transparent glass
SGCC- 185 3/16 inch tempered transparent glass
SGCC- 279 7/32 inch tempered transparent glass
SGCC- 186 1/4 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

PPG Industries, Inc.; Baltimore, Maryland

SGCC- 454 3/16 inch tempered transparent glass
SGCC- 455 1/4 inch tempered transparent glass

Unlimited size
Unlimited size

PPG Industries, Inc.; Carlisle, Pennsylvania

SGCC- 250 1/8 inch tempered transparent glass
SGCC- 675 5/32 inch tempered transparent glass
SGCC- 249 3/16 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size

PPG Industries, Inc.; Chicago, Illinois

SGCC- 266 3/16 inch tempered transparent glass
SGCC-1145 1/4 inch tempered transparent glass

Unlimited size
Unlimited size

PPG Industries, Inc.; Crestline, Ohio

SGCC- 60 1/8 inch tempered transparent glass
SGCC- 927 3/16 inch tempered transparent glass

Unlimited size
Unlimited size

PPG Industries, Inc.; Dallas, Texas

SGCC- 400 3/16 inch tempered transparent glass
SGCC- 402 1/4 inch tempered transparent glass

Unlimited size
Unlimited size

PPG Industries, Inc.; Ford City, Pennsylvania

SGCC- 61 3/16 inch tempered transparent glass
SGCC- 70 1/4 inch tempered transparent glass

Unlimited size
Unlimited size

PPG Industries, Inc.; Fresno, California

SGCC- 295 1/8 inch tempered transparent glass
SGCC- 676 5/32 inch tempered transparent glass
SGCC- 64 3/16 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size

PPG Industries, Inc.; Miami, Florida

SGCC- 195 3/16 inch tempered transparent glass
SGCC- 194 1/4 inch tempered transparent glass

Unlimited size
Unlimited size

PPG Industries, Inc.; Mt. Zion, Illinois

SGCC- 59 1/8 inch tempered transparent glass
SGCC- 680 5/32 inch tempered transparent glass
SGCC- 63 3/16 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size

PPG Industries, Inc.; Wichita Falls, Texas

SGCC-1110 1/8 inch tempered transparent glass
SGCC-1111 5/32 inch tempered transparent glass
SGCC-1112 3/16 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size

PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada

SGCC- 251 1/8 inch tempered transparent glass
SGCC-1120 5/32 inch tempered transparent glass
SGCC- 209 3/16 inch tempered transparent glass

Unlimited size
Unlimited size
Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Pacific Tempering Company, Inc.; Long Beach, California

SGCC- 972	3/16	inch tempered transparent glass	Unlimited size
SGCC- 974	1/4	inch tempered transparent glass	Unlimited size
SGCC- 975	3/8	inch tempered transparent glass	Unlimited size
SGCC-1055	1/2	inch tempered transparent glass	Unlimited size
SGCC-1162	7/32	inch tempered pattern glass (s)	Unlimited size

Rotuba Extruders, Inc.; Linden, New Jersey

SGCC- 316	0.080	inch and greater thicknesses smooth extruded acrylic	Unlimited size
-----------	-------	--	----------------

Safelite Industries; Wichita, Kansas

SGCC-1174	7/32	inch laminated transparent glass (0.030)	Unlimited size
-----------	------	--	----------------

Shaw Glass Company, Inc.; Stoughton, Massachusetts

SGCC-1034	3/16	inch tempered transparent glass	Unlimited size
SGCC-1035	1/4	inch tempered transparent glass	Unlimited size
SGCC-1036	3/8	inch tempered transparent glass	Unlimited size
SGCC-1037	1/2	inch tempered transparent glass	Unlimited size
SGCC-1071	7/32	inch tempered pattern glass (s)	Unlimited size

Sheffield Plastics, Inc.; Sheffield, Massachusetts

SGCC- 173	0.080	inch through 0.125 inch smooth extruded acrylic	Unlimited size
-----------	-------	---	----------------

Societa Italiana Vetro S.p.A.; San Salvo, Italy

SGCC-1188	1/4	inch laminated transparent glass (0.030)	Unlimited size
-----------	-----	--	----------------

Temp-Tech Industries, Inc.; Chicago, Illinois

SGCC- 986	1/4	inch tempered transparent glass	Unlimited size
-----------	-----	---------------------------------	----------------

Tempered Glass Corporation; Tampa, Florida

SGCC-1148	3/16	inch tempered transparent glass	Unlimited size
SGCC- 832	1/4	inch tempered transparent glass	Unlimited size
SGCC- 833	3/8	inch tempered transparent glass	Unlimited size
SGCC- 834	1/2	inch tempered transparent glass	Unlimited size
SGCC- 835	7/32	inch tempered pattern glass (s)	Unlimited size

Tempglass, Inc.; Perrysburg, Ohio

SGCC-1039	1/8	inch tempered transparent glass	Unlimited size
SGCC- 592	3/16	inch tempered transparent glass	Unlimited size
SGCC- 593	1/4	inch tempered transparent glass	Unlimited size
SGCC- 594	3/8	inch tempered transparent glass	Unlimited size
SGCC- 595	1/2	inch tempered transparent glass	Unlimited size
SGCC- 597	7/32	inch tempered pattern glass (s)	Unlimited size

Tempglass, Ltd.; Weston, Ontario, Canada

SGCC-1094	3/16	inch tempered transparent glass	Unlimited size
SGCC-1095	1/4	inch tempered transparent glass	Unlimited size
SGCC-1089	3/8	inch tempered transparent glass	Unlimited size
SGCC-1090	1/2	inch tempered transparent glass	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Tempglass Eastern, Inc.; Norcross, Georgia

SGCC- 979	1/8	inch tempered transparent glass	Unlimited size
SGCC-1115	5/32	inch tempered transparent glass	Unlimited size
SGCC- 981	3/16	inch tempered transparent glass	Unlimited size
SGCC- 982	1/4	inch tempered transparent glass	Unlimited size
SGCC-1058	3/8	inch tempered transparent glass	Unlimited size
SGCC-1059	1/2	inch tempered transparent glass	Unlimited size
SGCC- 987	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC- 988	7/32	inch tempered pattern glass (s)	Unlimited size

Tempglass Southern, Inc.; Grand Prairie, Texas

SGCC-1043	3/16	inch tempered transparent glass	Unlimited size
SGCC-1044	1/4	inch tempered transparent glass	Unlimited size
SGCC-1045	3/8	inch tempered transparent glass	Unlimited size
SGCC-1046	1/2	inch tempered transparent glass	Unlimited size
SGCC-1047	3/4	inch tempered transparent glass	Unlimited size
SGCC-1068	7/32	inch tempered pattern glass (s)	Unlimited size

Tempglass Western, Inc.; Fremont, California

SGCC- 723	3/16	inch tempered transparent glass	Unlimited size
SGCC- 724	1/4	inch tempered transparent glass	Unlimited size
SGCC- 725	3/8	inch tempered transparent glass	Unlimited size
SGCC- 726	1/2	inch tempered transparent glass	Unlimited size
SGCC- 948	3/4	inch tempered transparent glass	Unlimited size
SGCC- 891	7/32	inch tempered pattern glass (s)	Unlimited size

Templex, C. A.; Caracas, Venezuela

SGCC-1168	1/4	inch tempered transparent glass	Unlimited size
SGCC-1169	5/16	inch tempered transparent glass	Unlimited size
SGCC-1170	3/8	inch tempered transparent glass	Unlimited size
SGCC-1171	1/2	inch tempered transparent glass	Unlimited size

Texas Tempered Glass Company; Houston, Texas

SGCC-1192	3/16	inch tempered transparent glass	Unlimited size
SGCC- 137	1/4	inch tempered transparent glass	Unlimited size
SGCC- 668	3/8	inch tempered transparent glass	Unlimited size
SGCC- 669	1/2	inch tempered transparent glass	Unlimited size
SGCC-1159	7/32	inch laminated transparent glass (0.030)	Unlimited size

Trident Consolidated Industries, Inc.; City of Industry, California

SGCC-1151	3/16	inch tempered transparent glass	Unlimited size
SGCC-1152	1/4	inch tempered transparent glass	Unlimited size

Tuf-flex Glass; Atlanta, Georgia

SGCC- 862	3/16	inch tempered transparent glass	Unlimited size
SGCC- 863	1/4	inch tempered transparent glass	Unlimited size
SGCC- 865	3/8	inch tempered transparent glass	Unlimited size
SGCC- 866	1/2	inch tempered transparent glass	Unlimited size

Tuf-flex Glass; Elmhurst, Illinois

SGCC- 867	3/16	inch tempered transparent glass	Unlimited size
SGCC- 868	1/4	inch tempered transparent glass	Unlimited size
SGCC- 869	3/8	inch tempered transparent glass	Unlimited size
SGCC- 870	1/2	inch tempered transparent glass	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED SIZE

Tuf-flex Glass; Irving, Texas

SGCC-1010	3/16	inch tempered transparent glass	Unlimited size
SGCC- 872	1/4	inch tempered transparent glass	Unlimited size
SGCC- 873	3/8	inch tempered transparent glass	Unlimited size
SGCC- 874	1/2	inch tempered transparent glass	Unlimited size
SGCC- 898	7/32	inch tempered pattern glass (s)	Unlimited size

Tuf-flex Glass; Saddle Brook, New Jersey

SGCC- 875	3/16	inch tempered transparent glass	Unlimited size
SGCC- 876	1/4	inch tempered transparent glass	Unlimited size
SGCC- 877	3/8	inch tempered transparent glass	Unlimited size
SGCC- 878	1/2	inch tempered transparent glass	Unlimited size

Tuf-flex Glass; Union City, California

SGCC- 879	3/16	inch tempered transparent glass	Unlimited size
SGCC- 880	1/4	inch tempered transparent glass	Unlimited size
SGCC- 881	3/8	inch tempered transparent glass	Unlimited size
SGCC- 882	1/2	inch tempered transparent glass	Unlimited size
SGCC-1149	7/32	inch tempered pattern glass (s)	Unlimited size

Tyre Brothers Glass Company; Los Angeles, California

SGCC-1187	3/16	inch tempered transparent glass	Unlimited size
SGCC- 253	1/4	inch tempered transparent glass	Unlimited size
SGCC- 254	3/8	inch tempered transparent glass	Unlimited size
SGCC- 255	1/2	inch tempered transparent glass	Unlimited size
SGCC- 256	7/32	inch tempered pattern glass (s)	Unlimited size

Vidrierias De Llodio, S. A.; Alava, Spain

SGCC- 911	1/8	inch tempered transparent glass	Unlimited size
SGCC- 912	3/16	inch tempered transparent glass	Unlimited size
SGCC- 913	7/32	inch tempered transparent glass	Unlimited size

Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 12	3/16	inch tempered transparent glass	Unlimited size
SGCC- 14	1/4	inch tempered transparent glass	Unlimited size
SGCC- 93	3/8	inch tempered transparent glass	Unlimited size
SGCC- 94	1/2	inch tempered transparent glass	Unlimited size
SGCC- 95	3/4	inch tempered transparent glass	Unlimited size
SGCC- 92	7/32	inch tempered pattern glass (s)	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

TEMPERED TRANSPARENT GLASS

1/8 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey	SGCC- 489	Unlimited size
AFG Industries, Inc.; Greenland, Tennessee	SGCC- 598	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC- 583	13" by 19"
Downey Glass Company, Inc.; Downey, California	SGCC- 805	Unlimited size
Feather-lite Manufacturing Company; Malvern, Arkansas	SGCC- 586	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 727	Unlimited size
Gateway Industries; Rogers, Arkansas	SGCC- 958	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC- 54	Unlimited size
Hehr International, Inc.; Chesaning, Michigan	SGCC-1062	32" by 60"
LOF Glass; Laurinburg, North Carolina	SGCC- 844	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1099	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC- 701	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-1050	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC- 250	Unlimited size
PPG Industries, Inc.; Crestline, Ohio	SGCC- 60	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC- 295	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois	SGCC- 59	Unlimited size
PPG Industries, Inc.; Wichita Falls, Texas	SGCC-1110	Unlimited size
PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada	SGCC- 251	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC-1039	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 979	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC- 911	Unlimited size

5/32 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey	SGCC- 940	Unlimited size
AFG Industries, Inc.; Greenland, Tennessee	SGCC- 955	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 949	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC-1176	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC-1003	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 728	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 845	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1100	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC- 702	Unlimited size
Ohio Plate Glass Company; Lewisburg, Ohio	SGCC-1088	Unlimited size
PPG Industries, Inc.; Carlisle, Pennsylvania	SGCC- 675	Unlimited size
PPG Industries, Inc.; Fresno, California	SGCC- 676	Unlimited size
PPG Industries, Inc.; Mt. Zion, Illinois	SGCC- 680	Unlimited size
PPG Industries, Inc.; Wichita Falls, Texas	SGCC-1111	Unlimited size
PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada	SGCC-1120	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC-1115	Unlimited size

3/16 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey	SGCC- 245	Unlimited size
AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4	SGCC-1189	Unlimited size
AFG Industries, Inc.; Greenland, Tennessee	SGCC- 220	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 28	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC- 584	15" by 24"
Bennett's; Salt Lake City, Utah	SGCC-1140	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC-1157	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1164	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 806	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 812	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 708	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 729	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1131	Unlimited size
Gateway Industries; Rogers, Arkansas	SGCC-1163	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC- 56	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1080	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM CERTIFIED SIZE

3/16 inch tempered transparent glass—continued

LOF Glass; Laurinburg, North Carolina
 LOF Glass; Rossford, Ohio
 Milgard Manufacturing, Inc.; Tacoma, Washington
 Northwestern Industries, Inc.; Seattle, Washington
 Ohio Plate Glass Company; Lewisburg, Ohio
 PPG Industries, Inc.; Baltimore, Maryland
 PPG Industries, Inc.; Carlisle, Pennsylvania
 PPG Industries, Inc.; Chicago, Illinois
 PPG Industries, Inc.; Crestline, Ohio
 PPG Industries, Inc.; Dallas, Texas
 PPG Industries, Inc.; Ford City, Pennsylvania
 PPG Industries, Inc.; Fresno, California
 PPG Industries, Inc.; Miami, Florida
 PPG Industries, Inc.; Mt. Zion, Illinois
 PPG Industries, Inc.; Wichita Falls, Texas
 PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada
 Pacific Tempering Company, Inc.; Long Beach, California
 Shaw Glass Company, Inc.; Stoughton, Massachusetts
 Tempered Glass Corporation; Tampa, Florida
 Tempglass, Inc.; Perrysburg, Ohio
 Tempglass, Ltd.; Weston, Ontario, Canada
 Tempglass Eastern, Inc.; Norcross, Georgia
 Tempglass Southern, Inc.; Grand Prairie, Texas
 Tempglass Western, Inc.; Fremont, California
 Texas Tempered Glass Company; Houston, Texas
 Trident Consolidated Industries, Inc.; City of Industry, California
 Tuf-flex Glass; Atlanta, Georgia
 Tuf-flex Glass; Elmhurst, Illinois
 Tuf-flex Glass; Irving, Texas
 Tuf-flex Glass; Saddle Brook, New Jersey
 Tuf-flex Glass; Union City, California
 Tyre Brothers Glass Company; Los Angeles, California
 Vidrierias De Llodio, S. A.; Alava, Spain
 Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 846 Unlimited size
 SGCC- 854 Unlimited size
 SGCC-1101 Unlimited size
 SGCC- 703 Unlimited size
 SGCC- 185 Unlimited size
 SGCC- 454 Unlimited size
 SGCC- 249 Unlimited size
 SGCC- 266 Unlimited size
 SGCC- 927 Unlimited size
 SGCC- 400 Unlimited size
 SGCC- 61 Unlimited size
 SGCC- 64 Unlimited size
 SGCC- 195 Unlimited size
 SGCC- 63 Unlimited size
 SGCC-1112 Unlimited size
 SGCC- 209 Unlimited size
 SGCC- 972 Unlimited size
 SGCC-1034 Unlimited size
 SGCC-1148 Unlimited size
 SGCC- 592 Unlimited size
 SGCC-1094 Unlimited size
 SGCC- 981 Unlimited size
 SGCC-1043 Unlimited size
 SGCC- 723 Unlimited size
 SGCC-1192 Unlimited size
 SGCC-1151 Unlimited size
 SGCC- 862 Unlimited size
 SGCC- 867 Unlimited size
 SGCC-1010 Unlimited size
 SGCC- 875 Unlimited size
 SGCC- 879 Unlimited size
 SGCC-1187 Unlimited size
 SGCC- 912 Unlimited size
 SGCC- 12 Unlimited size

7/32 inch tempered transparent glass

Ohio Plate Glass Company; Lewisburg, Ohio
 Vidrierias De Llodio, S. A.; Alava, Spain

SGCC- 279 Unlimited size
 SGCC- 913 Unlimited size

1/4 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey
 AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4
 AFG Industries, Inc.; Greenland, Tennessee
 AFG Industries, Inc.; Kingsport, Tennessee
 Artistic Glass Products Company; Trumbauersville, Pennsylvania
 Bennett's; Salt Lake City, Utah
 Cal-Temp; Santa Fe Springs, California
 Colonial Mirror and Glass Corporation; Brooklyn, New York
 Downey Glass Company, Inc.; Downey, California
 Downey Glass Company, Inc.; Los Angeles, California
 Falconer Glass Industries, Inc.; Falconer, New York
 Ford Motor Company; Dearborn, Michigan
 Fulton Glass Industries, Inc.; Red Oak, Georgia
 Hamilton Glass Products, Inc.; Vincennes, Indiana
 LOF Glass; Clinton, North Carolina
 LOF Glass; Laurinburg, North Carolina
 LOF Glass; Rossford, Ohio
 Milgard Manufacturing, Inc.; Tacoma, Washington
 Northwestern Industries, Inc.; Seattle, Washington

SGCC-1191 Unlimited size
 SGCC- 246 Unlimited size
 SGCC- 89 Unlimited size
 SGCC- 24 Unlimited size
 SGCC- 585 15" by 24"
 SGCC- 990 Unlimited size
 SGCC- 638 Unlimited size
 SGCC-1165 Unlimited size
 SGCC- 807 Unlimited size
 SGCC- 813 Unlimited size
 SGCC- 709 Unlimited size
 SGCC- 730 Unlimited size
 SGCC-1132 Unlimited size
 SGCC- 57 Unlimited size
 SGCC-1081 Unlimited size
 SGCC- 847 Unlimited size
 SGCC- 855 Unlimited size
 SGCC-1102 Unlimited size
 SGCC- 704 Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

**MAXIMUM
CERTIFIED SIZE**

1/4 inch tempered transparent glass—continued

Ohio Plate Glass Company; Lewisburg, Ohio	SGCC- 186	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 455	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC-1145	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC- 402	Unlimited size
PPG Industries, Inc.; Ford City, Pennsylvania	SGCC- 70	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC- 194	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC- 974	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1035	Unlimited size
Temp-Tech Industries, Inc.; Chicago, Illinois	SGCC- 986	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC- 832	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 593	Unlimited size
Tempglass, Ltd.; Weston, Ontario, Canada	SGCC-1095	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 982	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1044	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 724	Unlimited size
Templex, C. A.; Caracas, Venezuela	SGCC-1168	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC- 137	Unlimited size
Trident Consolidated Industries, Inc.; City of Industry, California	SGCC-1152	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 863	Unlimited size
Tuf-flex Glass; Elmhurst, Illinois	SGCC- 868	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 872	Unlimited size
Tuf-flex Glass; Saddle Brook, New Jersey	SGCC- 876	Unlimited size
Tuf-flex Glass; Union City, California	SGCC- 880	Unlimited size
Tyre Brothers Glass Company; Los Angeles, California	SGCC- 253	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 14	Unlimited size

5/16 inch tempered transparent glass

LOF Glass; Clinton, North Carolina	SGCC-1082	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 848	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 856	Unlimited size
Templex, C. A.; Caracas, Venezuela	SGCC-1169	Unlimited size

3/8 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4	SGCC- 345	Unlimited size
AFG Industries, Inc.; Greenland, Tennessee	SGCC- 90	Unlimited size
Bennett's; Salt Lake City, Utah	SGCC- 991	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC- 639	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1166	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 814	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 710	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1133	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1083	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 849	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 857	Unlimited size
Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1103	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC- 975	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1036	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC- 833	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 594	Unlimited size
Tempglass, Ltd.; Weston, Ontario, Canada	SGCC-1089	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC-1058	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1045	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 725	Unlimited size
Templex, C. A.; Caracas, Venezuela	SGCC-1170	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC- 668	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 865	Unlimited size
Tuf-flex Glass; Elmhurst, Illinois	SGCC- 869	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 873	Unlimited size
Tuf-flex Glass; Saddle Brook, New Jersey	SGCC- 877	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM CERTIFIED SIZE

3/8 inch tempered transparent glass—continued

Tuf-flex Glass; Union City, California
Tyre Brothers Glass Company; Los Angeles, California
Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 881 Unlimited size
SGCC- 254 Unlimited size
SGCC- 93 Unlimited size

1/2 inch tempered transparent glass

AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4
Bennett's; Salt Lake City, Utah
Cal-Temp; Santa Fe Springs, California
Colonial Mirror and Glass Corporation; Brooklyn, New York
Downey Glass Company, Inc.; Los Angeles, California
Falconer Glass Industries, Inc.; Falconer, New York
Fulton Glass Industries, Inc.; Red Oak, Georgia
LOF Glass; Clinton, North Carolina
LOF Glass; Laurinburg, North Carolina
LOF Glass; Rossford, Ohio
Milgard Manufacturing, Inc.; Tacoma, Washington
Pacific Tempering Company, Inc.; Long Beach, California
Shaw Glass Company, Inc.; Stoughton, Massachusetts
Tempered Glass Corporation; Tampa, Florida
Tempglass, Inc.; Perrysburg, Ohio
Tempglass, Ltd.; Weston, Ontario, Canada
Tempglass Eastern, Inc.; Norcross, Georgia
Tempglass Southern, Inc.; Grand Prairie, Texas
Tempglass Western, Inc.; Fremont, California
Templex, C. A.; Caracas, Venezuela
Texas Tempered Glass Company; Houston, Texas
Tuf-flex Glass; Atlanta, Georgia
Tuf-flex Glass; Elmhurst, Illinois
Tuf-flex Glass; Irving, Texas
Tuf-flex Glass; Saddle Brook, New Jersey
Tuf-flex Glass; Union City, California
Tyre Brothers Glass Company; Los Angeles, California
Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 346 Unlimited size
SGCC- 992 Unlimited size
SGCC- 640 Unlimited size
SGCC-1167 Unlimited size
SGCC- 815 Unlimited size
SGCC- 711 Unlimited size
SGCC-1134 Unlimited size
SGCC-1084 Unlimited size
SGCC- 850 Unlimited size
SGCC- 858 Unlimited size
SGCC-1104 Unlimited size
SGCC-1055 Unlimited size
SGCC-1037 Unlimited size
SGCC- 834 Unlimited size
SGCC- 595 Unlimited size
SGCC-1090 Unlimited size
SGCC-1059 Unlimited size
SGCC-1046 Unlimited size
SGCC- 726 Unlimited size
SGCC-1171 Unlimited size
SGCC- 669 Unlimited size
SGCC- 866 Unlimited size
SGCC- 870 Unlimited size
SGCC- 874 Unlimited size
SGCC- 878 Unlimited size
SGCC- 882 Unlimited size
SGCC- 255 Unlimited size
SGCC- 94 Unlimited size

5/8 inch tempered transparent glass

LOF Glass; Rossford, Ohio

SGCC- 859 Unlimited size

3/4 inch tempered transparent glass

Falconer Glass Industries, Inc.; Falconer, New York
LOF Glass; Clinton, North Carolina
LOF Glass; Rossford, Ohio
Tempglass Southern, Inc.; Grand Prairie, Texas
Tempglass Western, Inc.; Fremont, California
Virginia Glass Products Corporation; Martinsville, Virginia

SGCC- 712 Unlimited size
SGCC-1086 Unlimited size
SGCC- 860 Unlimited size
SGCC-1047 Unlimited size
SGCC- 948 Unlimited size
SGCC- 95 Unlimited size

7/8 inch tempered transparent glass

LOF Glass; Rossford, Ohio

SGCC- 861 Unlimited size

TEMPERED PATTERN GLASS

1/8 inch tempered pattern glass (shallow patterns)

AFG Industries, Inc.; Greenland, Tennessee
AFG Industries, Inc.; Kingsport, Tennessee
Downey Glass Company, Inc.; Downey, California
Hehr International, Inc.; Chesaning, Michigan
Tempglass Eastern, Inc.; Norcross, Georgia

SGCC- 587 Unlimited size
SGCC- 141 Unlimited size
SGCC- 808 Unlimited size
SGCC-1175 32" by 60"
SGCC- 987 Unlimited size

1/8 inch tempered pattern glass (medium patterns)

Downey Glass Company, Inc.; Downey, California

SGCC- 809 Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

		MAXIMUM CERTIFIED SIZE
5/32 inch tempered pattern glass (shallow patterns) Milgard Manufacturing, Inc.; Tacoma, Washington	SGCC-1105	Unlimited size
5/32 inch tempered pattern glass (medium patterns) Northwestern Industries, Inc.; Seattle, Washington	SGCC- 920	Unlimited size
3/16 inch tempered pattern glass (shallow patterns) AFG Industries, Inc.; Greenland, Tennessee AFG Industries, Inc.; Kingsport, Tennessee Downey Glass Company, Inc.; Downey, California Downey Glass Company, Inc.; Los Angeles, California	SGCC-1139 SGCC-1143 SGCC- 810 SGCC-1114	Unlimited size Unlimited size Unlimited size Unlimited size
3/16 inch tempered pattern glass (deep patterns) Gateway Industries; Rogers, Arkansas	SGCC- 960	Unlimited size
210 inch tempered pattern glass (shallow patterns) Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC-1179	Unlimited size
210 inch tempered pattern glass (medium patterns) Bennett's; Salt Lake City, Utah	SGCC- 994	Unlimited size
7/32 inch tempered pattern glass (shallow patterns) AFG Industries, Inc.; Greenland, Tennessee AFG Industries, Inc.; Kingsport, Tennessee Bennett's; Salt Lake City, Utah Cal-Temp; Santa Fe Springs, California Downey Glass Company, Inc.; Downey, California Downey Glass Company, Inc.; Los Angeles, California Fulton Industries, Inc.; Red Oak, Georgia Northwestern Industries, Inc.; Seattle, Washington Pacific Tempering Company, Inc.; Long Beach, California Shaw Glass Company, Inc.; Stoughton, Massachusetts Tempered Glass Corporation; Tampa, Florida Tempglass, Inc.; Perrysburg, Ohio Tempglass Eastern, Inc.; Norcross, Georgia Tempglass Southern, Inc.; Grand Prairie, Texas Tempglass Western, Inc.; Fremont, California Tuf-flex Glass; Irving, Texas Tuf-flex Glass; Union City, California Tyre Brothers Glass Company; Los Angeles, California Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 588 SGCC- 31 SGCC- 993 SGCC- 641 SGCC- 811 SGCC- 817 SGCC-1135 SGCC- 707 SGCC-1162 SGCC-1071 SGCC- 835 SGCC- 597 SGCC- 988 SGCC-1068 SGCC- 891 SGCC- 898 SGCC-1149 SGCC- 256 SGCC- 92	Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size Unlimited size
7/32 inch tempered pattern glass (medium patterns) AFG Industries, Inc.; Cinnaaminson, New Jersey; No. 4	SGCC-1087	Unlimited size
LAMINATED GLASS 7/32 inch laminated transparent glass Safelite Industries; Wichita, Kansas Texas Tempered Glass Company; Houston, Texas	SGCC-1174 SGCC-1159	Unlimited size Unlimited size
1/4 inch laminated transparent glass Societa Italiana Vetro S.p.A.; San Salvo, Italy	SGCC-1188	Unlimited size
SAFETY PLASTIC SHEET 0.080 inch and greater thicknesses acrylic Rotuba Extruders, Inc.; Linden, New Jersey	SGCC- 316	Unlimited size
0.080 though 0.125 inch acrylic Flex-O-Glass, Inc.; Dixon, Illinois Sheffield Plastics, Inc.; Sheffield, Massachusetts	SGCC- 118 SGCC- 173	Unlimited size Unlimited size

SGCC LABEL REQUIREMENTS

The SGCC certification label must be permanently marked on each piece of safety glazing material or else it is not covered by the SGCC certification program. The typical labels reproduced in this certified products directory are the same size that you will find on each piece of safety glazing material.

The label shall contain the correct SGCC number, the nominal thickness and reference to the 16 CFR 1201 standard in the following minimum form: 16 CFR 1201 and the category to which it pertains. Acceptable examples include: 16 CFR 1201 I and II, 16 CFR 1201 I or II, 16 CFR 1201 I & II, 16 CFR 1201 CAT I & II, 16 CFR 1201 C I & II, 16 CFR 1201 C I, and 16 CFR 1201 C II.

For labeling purposes, a line of demarcation shall separate those standards covered by the SGCC number from any other standards the licensee wishes 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. (See examples below.)

"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.

The permanent label must contain identification of the plant in which the product was made and the name or trade mark of the licensee. (The SGCC number does this by reference to this certified products directory.)

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 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 when certification was obtained.

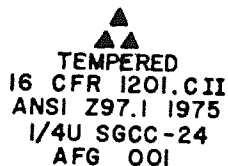
EXAMPLES:

16 CFR 1201 II
ANSI Z97.1 1975
SGCC-123/691 1/4 U

ANSI Z97.1-1975 SGCC-123 1/4 U
16 CFR 1201 II SGCC-691

EXAMPLE OF LICENSEE'S TYPICAL LABEL

AFG INDUSTRIES, INC.
P.O. Box 929
Kingsport, Tennessee 37662

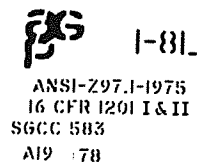


COLONIAL MIRROR AND GLASS CORPORATION
142 19 Street
Brooklyn, New York 11232

Tentative Label

16 CFR 1201 II
ANSI Z97.1-1975
SGCC-1164 3/16U

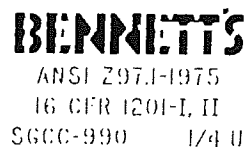
ARTISTIC GLASS PRODUCTS COMPANY
P.O. Box 785
Quakertown, Pennsylvania 18951



DOWNEY GLASS COMPANY, INC.
5631 Ferguson Drive
Los Angeles, California 90022



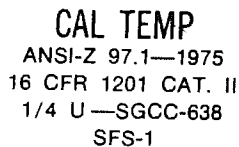
BENNETT'S
2132 South 300 West
Salt Lake City, Utah 84115



FALCONER GLASS INDUSTRIES, INC.
500 South Work Street
Falconer, New York 14733

FALCONER GLASS IND., INC.
DURASAFE 3/4" U
TEMPERED SAFETY GLASS
ANSI Z97.1-1975
16CFR 1201 II SGCC-712

CAL-TEMP; CALIFORNIA GLASS DISTRIBUTORS
9010 South Norwalk Boulevard
Santa Fe Springs, California 90670



FEATHER-LITE MANUFACTURING COMPANY
1210 East Maple Road
Troy, Michigan 48084



EXAMPLE OF LICENSEE'S TYPICAL LABEL

FLEX-O-GLASS, INC.
1100 North Cicero Avenue
Chicago, Illinois 60651



FLEX-O-GLAZE™
ACRYLIC SAFETY GLAZING
16 CFR 1201 C II
100 U
ANSI Z97.1-75 SGCC-118

HAMILTON GLASS PRODUCTS, INC.
2000 Chestnut Street
Vincennes, Indiana 47591

TEMPER TUF
HAMILTON GLASS PRODUCTS
ANSI Z97.1 - 1975
1/4 U SGCC - 57
16 CFR 1201 C II

FORD MOTOR COMPANY GLASS DIVISION
300 Renaissance Center; P.O. Box 43343
Detroit, Michigan 48243



FORD TEMPERED
SAFETY GLASS
ANSI Z97.1-1975
SGCC-342/729
16 CFR 1201, II
B6
3/16 U

HEHR INTERNATIONAL, INC.
1103 West Pearl Street
Chesaning, Michigan 48616



HEHR SAFETY
125-L
SOLID TEMPERED
ANSI Z97.1-1975
16 CFR 1201-II
SGCC 1062

FULTON GLASS INDUSTRIES, INC.
5225 Welcome All Road
Red Oak, Georgia 30272

FULTONTEMP
SGCC 1134 1/2" U
16 CFR 1201-II
SGCC 1127
ANSI Z97.1 1975



LOF GLASS
LIBBEY-OWENS-FORD COMPANY
811 Madison Avenue
Toledo, Ohio 43695



TUF-FLEX 3/16" U B
TEMPERED SAFETY GLASS
ANSI Z97.1-1975 SGCC-351
16 CFR 1201-1, II SGCC-846

GATEWAY INDUSTRIES
1414 South First Street
Rogers, Arkansas 72756

GW
TEMPERED
16 CFR 1201 II
SGCC-95B 1/8L RI
DOT 272 AS2 MI

MILGARD MANUFACTURING, INC.
1010 54 Avenue, East
Tacoma, Washington 98424



TEMPERED SAFETY
ANSI Z97.1 1975
16 CFR 1201 C II
SGCC 1102 1/4U

EXAMPLE OF LICENSEE'S TYPICAL LABEL

NORTHWESTERN INDUSTRIES, INC.
2501 West Commodore Way
Seattle, Washington 98199

TEMPERED
SAFETY GLASS



SGCC- 701 1/8 -U
ANSI Z97.1-1975
16CFR1201CII
CGSB-42-GP-I

PACIFIC TEMPERING COMPANY, INC.
2845 East Broadway
Long Beach, California 90803

LB TEMP
ANSI Z97.1 1975
16 CFR 1201.C11
1/4U SGSS-974

OHIO PLATE GLASS COMPANY
P.O. Box 671
Lewisburg, Ohio 45338

TEMPERED
SGCC 185
OHIO PLATE
3/16"-U 16CFR1201-U
ANSI Z97.1-1975



BUHL


ROTUBA EXTRUDERS, INC.
1401 Park Avenue South
Linden, New Jersey 07036

ROTUBAGLAZ® 16 CFR 1201, I/II
ACRYLIC SAFETY GLAZING
ANSI Z97.1-1975
SGCC-316 .080U

PPG INDUSTRIES, INC.
1000 RIDC Plaza
P.O. Box 2811
Pittsburgh, Pennsylvania 15230

PPG HERCULITE K
TEMPERED SAFETY GLASS
16CFR1201 CII
ANSI Z-97.1-1975 1/8"U
SGCC-295 15GH 367H

SAFELITE INDUSTRIES
P.O. Box 1879
Wichita, Kansas 67201

LAMINATED
SAFE  LITE
ANSI Z97.1-1975
7/32U 8GCC-1174
16CFR1201-CII

PPG INDUSTRIES CANADA, LTD.
1299 20th Street, East
Owen Sound, Ontario N4K 2C3
Canada

PPG HERCULITE K
TEMPERED TREMPÉ
CAN2-12.1 DOT 165
.....
16 CFR 1201 C11
ANSI Z97.1-1975
SGCC-209 5.0mm U
840181

SHAW GLASS COMPANY, INC.
P.O. Box 410
Stoughton, Massachusetts 02072

SOLAR TEMP.
16 CFR 1201 II

ANSI Z 97.1 1975
1/4 U SGCC 1035

EXAMPLE OF LICENSEE'S TYPICAL LABEL

SHEFFIELD PLASTICS, INC.

Salisbury Road
Sheffield, Massachusetts 01257

ACRY-PANE
ANSI Z97.1-1975
16 CFR 1201 II
SGCC 173
K2497 .095U

TEMPGLASS, INC.

Willis Day Industrial Park
291 M Street
Perrysburg, Ohio 43551

TEMPGLASS, INC.

16 CFR 1201 CII
ANSI Z97.1-1975
SGCC 594
3/8" U (1)

SOCIETA ITALIANA VETRO S.p.A.

c/o Inter-Glass Corporation
240-28 Bayview Avenue
Douglas Manor, New York 11363

Tentative Label

16 CFR 1201 II
ANSI Z97.1-1975
SGCC-1188 1/4U

TEMPGLASS, LTD.

131 Ormont Drive
Weston, Ontario M9L 2S3
Canada



TEMPGLASS LTD.

16 CFR 1201-11
ANSI Z97 1-1975
SGCC 1095-1/4" U

TEMP-TECH INDUSTRIES, INC.

6166 South Sayre
Chicago, Illinois 60638

TEMPERED GLASS
E 16 CFR 1201 II
M C ANSI Z97.1-1975
P H SGCC 986-1/4" U

TEMPGLASS EASTERN, INC.

Blueridge Industrial Park
P.O. Box 928
Norcross, Georgia 30071

TEMPGLASS

EASTERN

ANSI Z97.1-1975
16 CFR 1201-II
SGCC-979 1/8" U

07 79

TEMPERED GLASS CORPORATION

6900 Adamo Drive
Tampa, Florida 33619

TEMCO
SGCC-338 .500U
SGCC-834
16 CFR 1201-II
ANSI Z97.1 1975

TEMPGLASS SOUTHERN, INC.

1101 Fountain Parkway
Grand Prairie, Texas 75051

TEMPGLASS SOUTHERN
ANSI Z97.1 - 1975
SGCC 1043 3/16" U
16 CFR 1201 - 11

EXAMPLE OF LICENSEE'S TYPICAL LABEL

TEMPGLASS WESTERN, INC.
48999 Kato Road
Fremont, California 94538

TEMPGLASS WESTERN
ANSI Z97.1 - 1975
SGCC 948 3/4" - U
16 CFR 1201 - 11

TUF-FLEX GLASS
LIBBEY-OWENS-FORD COMPANY
811 Madison Avenue
Toledo, Ohio 43695

• Tuf-flex Glass 1/4" U D •
• TEMPERED SAFETY GLASS •
• ANSI Z97.1-1975 16 CFR 1201-1&11 •
• SGCC-298 SGCC-876 •

TEMPLEX, C. A.
P.O. Box 61747
Caracas, Venezuela



ANSI Z97.1-1975
16 CFR 1201 II
SGCC-II68 1/4 U

TYRE BROTHERS GLASS COMPANY
3008 South San Pedro Street
Los Angeles, California 90011



16 CFR 1201 I & II
SGCC 255 .500U

TEXAS TEMPERED GLASS COMPANY
1331 West Belt Drive North
Houston, Texas 77043

TTG ANSI Z97.1-1975 .375U
SGCC 868
16 CFR 1201-2
TEXAS TEMPERED GLASS CO.
HOUSTON, TEXAS

VIDRIERIAS DE LLODIO, S.A.
c/o Seaply Industries, Ltd.
P.O. Box 557
Greenwich, Connecticut 06830



1/8" U SGCC-911
tempered glass
16 CFR 1201-II
LLODIO - SPAIN

TRIDENT CONSOLIDATED INDUSTRIES, INC.
18751 East Railroad Street
City of Industry, California 91748



TRI-TEMP
ANSI-Z97.1-1975
16 CFR 1201 11
SGCC-1151 3/16 U

VIRGINIA GLASS PRODUCTS CORPORATION
P.O. Box 5431
Martinsville, Virginia 24112



SGCC APPROVED TESTING LABORATORIES

Bowser-Morner Testing Laboratories, Inc.
420 Davis Avenue; Box 51
Dayton, Ohio 45401
Attention: Mr. R. J. Rosencrans
Telephone 513-253-8805

Inspection and Research Laboratory, Inc.
4749 West State Street; Building H
Ontario, California 91761
Attention: Mr. W. Bradford Smith
Telephone 714-591-1789

ETL Testing Laboratories, Inc.
1960 Will Ross Court
Chamblee, Georgia 30341
Attention: Mr. Burr Bachler
Telephone 404-458-7763

Miami Testing Laboratory, Inc.
1640 West 32 Place
Hialeah, Florida 33012
Attention: Mr. James W. Bailey
Telephone 305-822-1141

ETL Testing Laboratories, Inc.
Route 11 Industrial Park
Cortland, New York 13045
Attention: Mr. Claude F. Robb
Telephone 607-753-6711

Southwestern Laboratories
2900 Cullen Street
Fort Worth, Texas 76101
Attention: Mr. Wayne Tessener
Telephone 817-332-5181

* * * * *

Copies of the Standard 16 CFR 1201 may be obtained from:

Consumer Products Safety Commission
5401 Westbard Avenue
Bethesda, Maryland 20016

PROCEDURAL GUIDE
SAFETY GLAZING CERTIFICATION COUNCIL
CERTIFICATION PROGRAM FOR
SAFETY GLAZING MATERIALS USED IN BUILDINGS

FOREWARD

Acceptance of a certified product containing safety glazing materials comes with the conviction that such certification assures a high level of safety and quality and that the integrity of the identifying mark or certification label is being reliably maintained by a competent certifying agency.

The provisions of Federal Standard 16 CFR 1201 provide a sound technical basis for the required high level of safety. With the addition of independent administration plus periodic routine sampling and product evaluation, a program of product certification is developed in accordance with the accepted American National Standards as contained in American National Standard Z34.1. The Certification Program described here is predicated upon the concept of independent and impartial administration of the certification procedures which are incorporated in the SGCC license agreement.

To insure administration of the Certification Program in a uniform and equitable manner, this Procedural Guide has been prepared for the information and guidance of the licensees.

It should be noted that the *SGCC License Agreement* is the governing document for operation of the Certification Program. This Procedural Guide, which is *not* an extension of that document, serves merely to describe the administrative procedure and routine operation of the Certification Program.

GENERAL INFORMATION

THE CERTIFICATION CONCEPT

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

To buyers, specifiers, code officials and users, the SGCC certification label offers the manufacturer's *assurance* that his safety glazing material has been *produced in conformance* to Federal Standard 16 CFR 1201 covering safety glazing materials used in buildings.

These regulations are covered in a separate Certified Products Directory.

WHO CAN PARTICIPATE?

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 this certification program. SGCC supervises the certification program under which the Administrator periodically checks and reports compliance of the manufacturers of products having the SGCC certification label with the requirements of 16 CFR 1201.

ADMINISTRATION

Certification Services Corporation (CSC), is the independent *Administrator* of the Certification Program. CSC maintains the SGCC Office of Certification and handles 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 the testing laboratory to send to SGCC one copy of a valid test report from an official SGCC recognized testing laboratory indicating full and complete compliance with the Specifications, namely 16 CFR 1201. (This is the "initial" or "prototype" testing and the sample is furnished by the manufacturer directly to any one of the SGCC recognized independent commercial testing laboratories, which the manufacturer selects.)
- c) The manufacturer sends to SGCC the six-month certification fee *for each item which is to be certified*.

After receipt of *all* of the above items, SGCC sends to the licensee a Notice of Product Certification which includes a SGCC Certification Number. This number *must* be incorporated into the permanent label to be affixed on each piece of certified safety glazing material. The certified item will then be listed in the next published Certified Products Directory.

HOW THE CERTIFICATION PROGRAM WORKS

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

ADMINISTRATOR AUTHORIZES CERTIFICATION

As sole judge of compliance with applicable standards, 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.

PRODUCTS LISTED IN CERTIFIED PRODUCTS DIRECTORY

Approved products are listed in the Certified Products Directory, which is published at least every six months. It 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 a copy of the actual label that is *permanently* marked upon each piece of certified safety glazing material.

The *Administrator samples certified glazing material* from the licensee's inventory once every six months.

An *approved testing laboratory determines compliance* of these samples with the Specifications. Tests are made either at the place of manufacture or at the laboratory selected by the Administrator from the approved list. Results of each test are mailed promptly to the licensee by the Administrator.

COMPLIANCE SAFEGUARDS

HOW IS COMPLIANCE ASSURED?

Any certified product found in the course of routine sampling and evaluation not to be in compliance with the Specifications, is subject to having certification removed. The licensee is given a 30-day grace period in which to demonstrate to the satisfaction of the Administrator that his product is in compliance. If he does not, certification is *automatically terminated* 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 the complaint in writing along with an appropriate 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 \$250 per man day *plus* the reasonable costs 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 may be voluntarily withdrawn from the Certification Program by the licensee at any time.

COSTS

WHAT DOES THE PROGRAM COST?

The licensee pays all projected fees to SGCC on a six-month basis, in advance. A licensee is invoiced for each item that is certified and listed separately in the Certified Products Directory. The invoice will include the fees for future routine evaluation testing.

Initial certification for each item will be for a period of six months. However, the next invoice to a licensee will have the fees prorated to the nearest whole month in such a manner that participation in the Certification Program will be on a January 1 to July 1 and July 1 to January 1 basis.

PROGRAM COSTS:

\$505 administrative fee plus \$30 contingency fund fee per six months plus necessary laboratory fees for the first item at a plant for the CPSC program.

\$65 administrative fee plus \$15 contingency fund fee per six months plus necessary laboratory fees for each subsequent item at the same plant for the CPSC program.

\$630 administrative fee plus \$30 contingency fund fee per six months plus necessary laboratory fees for the first item at a plant for the composite program.

\$80 administrative fee plus \$15 contingency fund fee per six months plus necessary laboratory fees for each subsequent item at the same plant for the composite program.

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 becomes effective on the date of its execution; has an initial duration of six months (adjustable to a January 1 to July 1 or a July 1 to January 1 basis), and is automatically renewed for successive, additional periods of six months, unless either party gives notice at least sixty days prior to the date of expiration that cancellation is requested or unless revoked by SGCC for causes set forth in the document.

Upon proper execution and acceptance by SGCC the *preissued certification number bond* informs a licensee of the exact mark of an item to be certified in the future. Thus he can purchase the proper marking equipment before the item is actually certified. If the licensee marks this number upon production prior to actual certification the bond is forfeited to SGCC.

Upon proper execution and acceptance by SGCC the *test release bond* permits the continuation of certification of an item even though the 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 Certification Services Corporation, governs the relationship between SGCC and CSC, 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 Specifications
- d) inspects and approves all in-plant and test laboratory test facilities for use in this Certification Program (test laboratories are "recognized" or approved by the SGCC Certification Committee)
- e) publishes and mails the SGCC Certified Products Directory on or about each January 1 and July 1
- f) handles all routine clerical duties of SGCC with respect to certification matters
- g) acts as SGCC treasurer, invoicing licensees, maintaining a bank account and dispersing funds (fiscal reports are made to the SGCC Certification Committee)
- h) furnishes all testing except for 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.

PROCEDURAL GUIDE

This guide outlines program procedures in accordance with the provisions of the License Agreement and the Administration Service Agreement, for the guidance of those concerned with the procedural details of the Certification Program's operation. It covers the steps to be taken in any given procedural situation in the interest of equitable and uniform treatment of licensees and the preservation of the integrity of the Certification Program.

CERTIFIED PRODUCTS DIRECTORY

This directory is the one document and publication that is normally in the public's eye and contains a listing of the certified safety glazing materials of each licensee.

CERTIFICATION LABEL

This certification mark is permanently affixed to each piece of certified safety glazing material by the licensee. It contains a code that refers to the listing in the Certified Products Directory. The listing then provides a complete product description including the company 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 the industry, building officials and the public. It also bears legal corporate responsibility.

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

- a) establishes certification "guidelines"
- b) determines the applicability of the Specifications in a specific situation where a question is raised by a licensee or the Administrator
- c) approves test laboratories
- d) determines which of the 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:

SGCC Board of Directors
Mr. Robert D. Lauter
Libbey-Owens-Ford Company
811 Madison Avenue
Toledo, Ohio 43695

Telephone 419-247-3770

SGCC Certification Committee
Mr. Pieter Knorr
C-E Glass
825 Hylton Road
Pennsauken, New Jersey 08110

Telephone 609-662-0400

SGCC
Mr. Robert A. Nance, P.E.
Administrative Manager
1640 West 32 Place
Hialeah, Florida 33012

Telephone 305-558-1352

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 July 1 and July 1 to January 1 basis. Charges will be prorated to the nearest whole month based on the date of approval of certification.

G.2

Tests for initial compliance for safety glazing materials to 16 CFR 1201 will be accepted from any testing laboratory approved by the SGCC certification committee.

G.3 None

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 since the Certified Products Directory which lists the item number and pertinent data is published twice a year.

G.6

a) All test specimens, except for prototype samples, must be marked with the correct SGCC permanent label prior to testing in order to be considered a valid sample. The administrator shall construe the absence of a correct permanent label as a failure to comply with the Specifications. In such cases of noncompliance, Sections a, c, and e of G.11 shall be followed.

b) The label shall contain the correct SGCC number, the nominal thickness, and reference to the 16 CFR 1201 standard in the following minimum form: 16 CFR 1201 and the category to which it pertains.

For labeling purposes, a demarcation line shall separate those standards covered by the SGCC number from any other standards the licensee wishes to reference.

c) The testing laboratory is to advise the administrator of any specimen that does not in fact bear the correct SGCC permanent label and 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.

G.7 None

G.8

After initial compliance with a sample size as stated in the standard, 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 on 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 designated by the administrator.

Certification shall be removed if the sample and payment are not received within the allotted 30 days or if the sample submitted fails to comply with the Specifications.

b) Within 3 months the administrator shall obtain an additional random sample for evaluation (in addition to the routine evaluation sample obtained twice a year). The administrator shall be certain that this additional sample is of recent production.

c) At the option of the administrator, specimens submitted under (a) above shall be either prototype size and pattern or identical to those previously sampled and of recent production.

d) Certification shall be removed if the additional random sample obtained in (b) above fails to comply with the Specifications.

e) All costs related to G.11 are to be borne by the licensee.

G.12

If a licensee who manufactures a certified product outside the 48 contiguous States 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 administrator shall remove certification from all of any licensee's products for failure to pay any monies due to SGCC within 30 days of invoice date. (Reference License Agreement A.2, A.12 and B.6.)

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, 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

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 prior to closing date of the certified products directory.

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 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 test requirements of 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 that particular product be submitted for the retest sample required by the Guideline G.11a and also that 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 registered mail.

b) The SGCC administrator will immediately supply the licensee with test release bond forms for submission by the licensee.

c) Within 2 weeks after receipt of the bond forms, the licensee shall submit them to the SGCC administrator. A separate bond shall be submitted for each certified product affected.

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 application 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 registered 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 by 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 None

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 16 CFR 1201 and ANSI Z97.1-1975 programs under one SGCC number provided the licensee submits four specimens to be impact tested to ANSI Z97.1-1975 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 tolerances 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 purposes of certification, the thickness requirements of Federal Specification DD-G-451D 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.

TEMPERED TRANSPARENT GLASS

T.1

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

T.2

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

T.3

Certification of regular tempered glass will also cover tinted, heat absorbing and coated glasses of the same nominal thickness. Glasses of the same nominal thickness with a ceramic material applied as a continuous or partial coating to one or more surfaces prior to tempering are also covered.

T.4

In cases where certified tempered 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. 16 CFR 1201 does 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.

TEMPERED PATTERN GLASS

TP.1

Four specimens shall be used for impact testing as detailed in 16 CFR 1201.4(a)(1). For purposes of certification, the nominal thicknesses of patterned, figured, or rough rolled glass are the common fractions found in DD-G-451D. The permanent label must contain this fraction or a metric or decimal dimension within the tolerance of this thickness as published in DD-G-451D.

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

<u>Pattern depth class</u>	<u>Ratio</u>
Shallow pattern glass	0.90 or above
Medium pattern glass	0.80 to 0.89
Deep pattern glass	0.79 or below

Certification will be by nominal thickness and pattern depth class. Any pattern in a certified thickness and pattern 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 pattern depth class. If the licensee has a certified product in that thickness and class, the new pattern may, at the request of the licensee, be included under the same SGCC certification number.

In the case of 5/32 inch tempered pattern glass refer to DD-G-1403B because this thickness is not included in DD-G-451D.

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 pattern glass.

TP.3

For tempered pattern 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 16 CFR 1201 test purposes.

TP.4

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

LAMINATED GLASS

L.1

Four specimens shall be used for impact testing as detailed in 16 CFR 1201.4(a)(1). Certification of regular laminated glass will also cover tinted, heat absorbing and coated glasses, both flat and bent of the same nominal thickness.

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 to 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. Polyurethane interlayer shall have a thickness tolerance of plus or minus 0.015 inches.

The tolerance of the polyvinylbutyral (PVB) 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.

L.8

Certification of laminated annealed glass may be extended to cover laminated heat strengthened, laminated tempered glass or a combination thereof, provided: a) the heat strengthened or tempered laminates are nominally equal to the nominal thickness of the annealed glass laminate certified; b) the plastic interlayer is equal to the nominal thickness and of the same chemical composition of the plastic interlayer certified (Guideline L.4 remains); c) after admission under the blanket certification covering the above mentioned laminates, all laminated glasses are subject to random sampling for testing by the administrator and d) certification of laminated tempered, laminated heat strengthened or combinations thereof does not extend to certification of annealed laminated glass.

PLASTICS—GENERAL

P.1

One piece of at least one square foot area shall be used for testing the hardness and modulus of elasticity. Certification of one tint or color of rigid plastic will also cover other tints, colors, flat configurations or bent and formed configurations.

P.2

For certifying all plastics covering a range of thicknesses, prototype 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 re-evaluation samples are to be selected by the administrator from any of the certified thicknesses.

P.3

The following thickness tolerances shall be used for certification purposes:

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

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

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

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

P.4

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

P.5

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

PLASTICS—EXTERIOR USE

PE.1

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 functional 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 23-69, 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 §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, according to the manufacturer's estimate, will provide an accumulated ultraviolet irradiation equivalent to the accumulated ultraviolet irradiation of 2,000 ± 1 hours of exposure in a twin enclosed carbon-arc Weather-Ometer. Evaluate the test results by using the test criterion set forth in the Standard at §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 §1201.4(d)(2)(ii)(A) or (B), as appropriate. The specimens shall be exposed to 375,000 ± 10,000 langley (375 ± 10 kilo-calories per square centimeter) of irradiation. Evaluate the test results by using the test criteria set forth in the Standard at §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 ± 10,000 langley (375 ± 10 kilo-calories per square

centimeter) of irradiation. Mounting of specimens and use of control specimens shall be as specified in the Standard at §1201.4(d)(2)(ii)(A) or (B), as appropriate. Evaluate the test results by using the test criteria set forth in the Standard at §1201.4(e)(2)(ii)(A) or (B), as appropriate.

PE.2 None

PE.3

For all plastics requiring UV weathering tests an infrared spectrogram shall be obtained of all prototype weathering specimens. An infrared spectrogram shall be obtained of all routine re-evaluation samples and shall be compared with that of the prototype in lieu of conducting weathering test. The spectral scan shall be made using a minimum film thickness of 0.002 inches or its equivalent.

PE.4

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

PLASTICS—INDOOR USE ONLY

PI.1

Sheet plastics used in indoor applications only, must comply with Table 1 in the Standard.

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.

ORGANIC COATED GLASS

AG.1

Four specimens shall be used for impact testing as detailed in 16 CFR 1201.4(a)(1). Thickness of the applied plastic coating shall be measured by the SGCC standard method.

AG.2

The SGCC authorized permanent label, which complies with Guideline G.26 must be imprinted upon or applied to a surface of the plastic for all plastic coated annealed glasses.

AG.3 None

July 1, 1981 Update

Additions:

April 1, 1981 through June 30, 1981

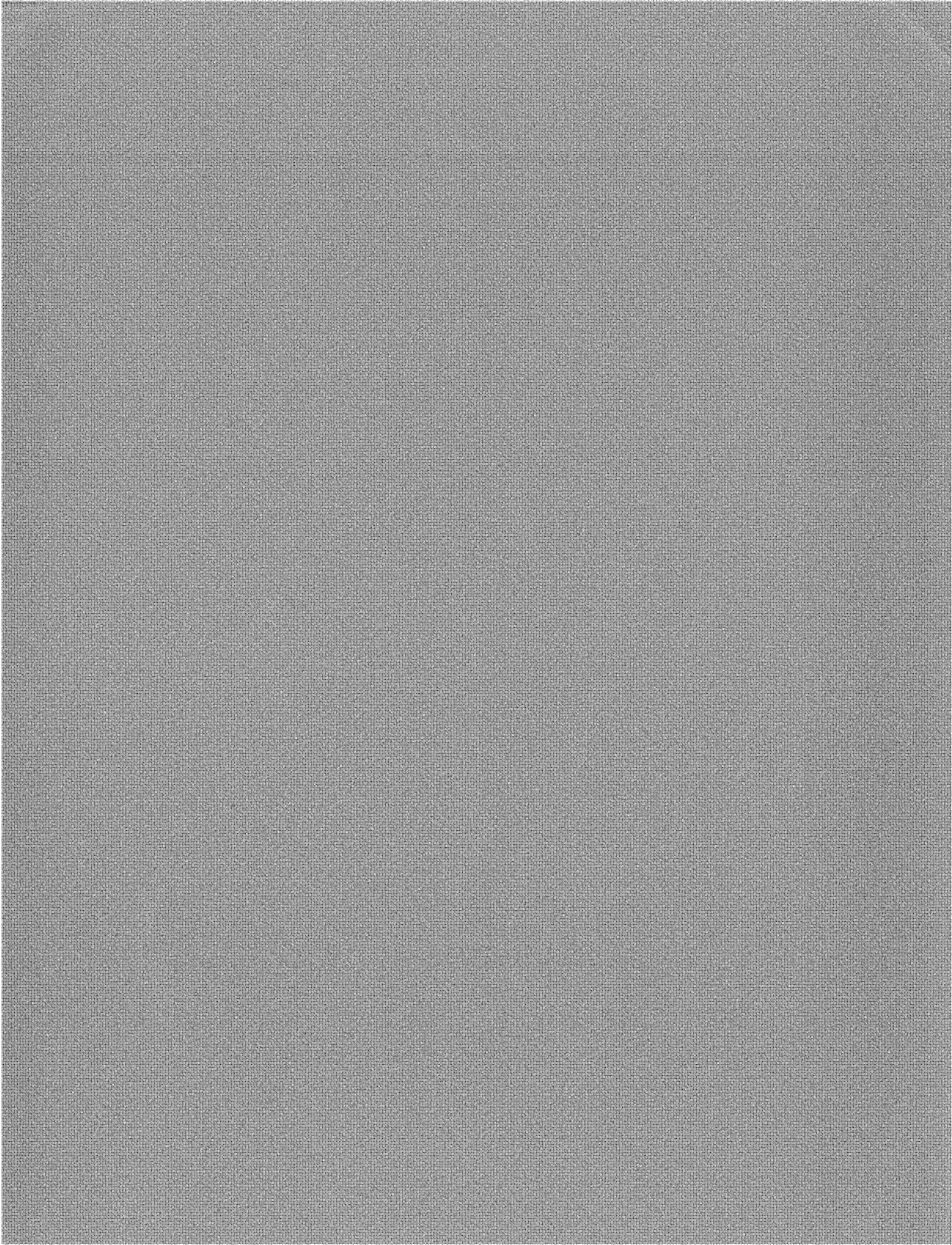
AFG Industries, Inc.; Cinnaminson, New Jersey				
SGCC- 489	1/8	inch tempered transparent glass	Unlimited	size
SGCC- 940	5/32	inch tempered transparent glass	Unlimited	size
SGCC- 245	3/16	inch tempered transparent glass	Unlimited	size
SGCC-1191	1/4	inch tempered transparent glass	Unlimited	size
AFG Industries, Inc.; Cinnaminson, New Jersey; No. 4				
SGCC-1189	3/16	inch tempered transparent glass	Unlimited	size
SGCC- 246	1/4	inch tempered transparent glass	Unlimited	size
SGCC- 345	3/8	inch tempered transparent glass	Unlimited	size
SGCC- 346	1/2	inch tempered transparent glass	Unlimited	size
SGCC-1087	7/32	inch tempered pattern glass (m)	Unlimited	size
Cal-Temp; Santa Fe Springs, California				
SGCC-1176	5/32	inch tempered transparent glass	Unlimited	size
Hamilton Glass Products, Inc.; Vincennes, Indiana				
SGCC- 56	3/16	inch tempered transparent glass	Unlimited	size
SGCC-1179	210	inch tempered pattern glass (s)	Unlimited	size
LOF Glass; Clinton, North Carolina				
SGCC-1086	3/4	inch tempered transparent glass	Unlimited	size
Milgard Manufacturing, Inc.; Tacoma, Washington				
SGCC-1100	5/32	inch tempered transparent glass	Unlimited	size
Societa Italiana Vetro S.p.A.; San Salvo, Italy				
SGCC-1188	1/4	inch laminated transparent glass (0.030)	Unlimited	size
Texas Tempered Glass Company; Houston, Texas				
SGCC-1192	3/16	inch tempered transparent glass	Unlimited	size
Tyre Brothers Glass Company; Los Angeles, California				
SGCC-1187	3/16	inch tempered transparent glass	Unlimited	size

Deletions:

AFG Industries, Inc., Cinnaminson, New Jersey				
SGCC-1137	210	inch tempered pattern glass (s)	Unlimited	size
Feather-lite Manufacturing Company; Malvern, Arkansas				
SGCC- 610	3/16	inch tempered transparent glass	Unlimited	size
Hamilton Glass Products, Inc.; Vincennes, Indiana				
SGCC- 129	7/32	inch tempered pattern glass (s)	Unlimited	size
Hehr International, Inc.; Chesaning, Michigan				
SGCC-1063	3/16	inch tempered transparent glass	32"	by 60"
PPG Industries, Inc.; Crestline, Ohio				
SGCC- 679	5/32	inch tempered transparent glass	Unlimited	size
San Diego Tempering, Inc.; San Diego, California				
SGCC-1013	3/16	inch tempered transparent glass	Unlimited	size
SGCC-1014	1/4	inch tempered transparent glass	Unlimited	size
SGCC-1015	3/8	inch tempered transparent glass	Unlimited	size
SGCC-1016	1/2	inch tempered transparent glass	Unlimited	size
Temp-Tech Industries, Inc.; Chicago, Illinois				
SGCC- 985	3/16	inch tempered transparent glass	Unlimited	size
Tempered Glass Specialists; Antwerp, Ohio				
SGCC- 928	1/8	inch tempered transparent glass	31"	by 76"
SGCC- 929	3/16	inch tempered transparent glass	31"	by 76"
SGCC- 930	1/4	inch tempered transparent glass	31"	by 76"
SGCC-1158	3/16	inch tempered pattern glass (d)	32"	by 76"
Tempglass, Ltd.; Weston, Ontario, Canada				
SGCC-1109	1/8	inch tempered transparent glass	Unlimited	size
Texas Tempered Glass Company; Houston, Texas				
SGCC- 110	3/16	inch tempered transparent glass	Unlimited	size
Trident Consolidated Industries, Inc.; City of Industry, California				
SGCC-1150	5/32	inch tempered transparent glass	Unlimited	size
SGCC-1153	3/8	inch tempered transparent glass	Unlimited	size
SGCC-1154	1/2	inch tempered transparent glass	Unlimited	size
SGCC-1155	3/4	inch tempered transparent glass	Unlimited	size
SGCC-1156	7/32	inch tempered pattern glass (s)	Unlimited	size
Tyre Brothers Glass Company; Los Angeles, California				
SGCC- 252	3/16	inch tempered transparent glass	Unlimited	size

CPSC

32 SGCC; July 1, 1981





safety glazing certification council

1640 West 32 Place
Hialeah, Florida 33012

NON-PROFIT ORGANIZATION

U.S. POSTAGE

PAID

MIAMI, FLORIDA

Permit Number 256

THIRD CLASS MAIL

to

246 219 SGCC JULY 1981
Mr. Claude F. Robb
ETL Testing Laboratories, Inc.
Route 11 Industrial Park
Cortland, New York 13045

ADDRESS CORRECTION REQUESTED

future editions of this certified products directory
will be sent to individuals making a request on their
corporate letterhead.