

JANUARY 1, 1983



safety glazing certification council

certified products directory
safety glazing material used in buildings

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MEETINGS OF THE CERTIFICATION COMMITTEE

The Certification Committee of the Safety Glazing Certification Council met on March 31 and October 19, 1982. Interested persons may obtain minutes of these meetings by writing to the Safety Glazing Certification Council.

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Certification in this directory is up-to-date as of January 1, 1983; 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:

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* * * * *

SGCC BOARD OF DIRECTORS

Representing Public Interest

Mrs. Jean Cornwell, Consumer
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 George L. Graf, Jr., Consumer
 Mrs. Sylvia Lav, Consumer
 Joseph E. Minor, Texas Tech University
 Orville L. Pierson, Consumer

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SGCC CERTIFICATION COMMITTEE

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Samuel E. Baldwin, Vice-Chairman

Licensee

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 Central Glass Company, Ltd.
 Chamberlain-Featherlite, Inc.
 Chromalloy American Corporation
 Downey Glass Company, Inc.
 Falconer Glass Industries, Inc.
 Flex-O-Glass, Inc.
 Ford Motor Company
 Fulton Glass Industries, Inc.
 General Glass Corporation
 Glass Tempering Service, Inc.
 Guardian Industries Corporation
 Hamilton Glass Products, Inc.
 Hordis Brothers, Inc.
 Lear Siegler, Inc.
 Libbey-Owens-Ford Company
 Northwestern Industries, Inc.
 Ohio Plate Glass Company
 PPG Industries, Inc.
 PPG Industries Canada, Ltd.
 Rotuba Extruders, Inc.
 Sheffield Plastics, Inc.
 Tempered Glass Corporation
 Tempglass, Inc.
 Tempglass Western, Inc.
 Temp-Safe, Inc.
 Temp-Tech Industries, Inc.
 Texas Tempered Glass Company
 Virginia Glass Products Corporation

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 National Safety Council
 Consumer
 Consumer
 Texas Tech University
 Glasstech, Inc.
 Consumer

Mrs. Jean Cornwell
 Phil Dykstra
 George L. Graf, Jr.
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 Joseph E. Minor
 Norman Nitschke
 Orville L. Pierson

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Samuel Steen, Esquire

Auditor:

McClain and Company

Administrative Manager:

Robert A. Nance, P.E.

Administrative Staff:

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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
(127) Mistron Ace	(128) Showerlite			

5/32 inch medium

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

5/32 inch deep

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

(50) Pattern 62	(51) P-516	(54) Showerlite	(116) Heliolite	(119) Solatex
(122) Sunadex	(125) Spray Lite	(131) Industrex		

3/16 inch medium

(58) Pattern 76

3/16 inch deep

(12) Oceanic	(13) Roundel	(41) Lozenge		
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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
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210 deep

(104) Lozenge	(114) Broad Lite			
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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	(129) Orange Peel			

7/32 inch medium

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

(29) Lozenge	(53) Broad Lite			
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ADDITIONS:

Amworth Industries Corporation; Renedo, Spain

SGCC-1260 5/32 inch tempered pattern glass (m) Unlimited size

Chromalloy-Safetee Glass Division; Lewistown, Pennsylvania

SGCC-1261 3/16 inch tempered transparent glass Unlimited size

SGCC-1262 1/4 inch tempered transparent glass Unlimited size

Enhanced Glass Corporation; Waco, Texas

SGCC-1242 1/8 inch tempered pattern glass (s) Unlimited size

SGCC-1243 7/32 inch tempered pattern glass (s) Unlimited size

Guardian Industries Corporation; Corsicana, Texas

SGCC-1248 1/8 inch tempered transparent glass Unlimited size

SGCC-1249 5/32 inch tempered transparent glass Unlimited size

SGCC-1250 3/16 inch tempered transparent glass Unlimited size

SGCC-1251 1/4 inch tempered transparent glass Unlimited size

SGCC-1253 3/8 inch tempered transparent glass Unlimited size

Howe-Martz Glass Company; Detroit, Michigan

SGCC-1268 1/4 inch tempered transparent glass Unlimited size

SGCC-1269 3/8 inch tempered transparent glass Unlimited size

J. E. Berkowitz, Inc.; Westville, New Jersey

SGCC-1276 1/8 inch tempered transparent glass Unlimited size

SGCC-1271 3/16 inch tempered transparent glass Unlimited size

SGCC-1272 1/4 inch tempered transparent glass Unlimited size

SGCC-1273 3/8 inch tempered transparent glass Unlimited size

SGCC-1274 1/2 inch tempered transparent glass Unlimited size

Northwestern Industries, Inc.; Seattle, Washington

SGCC-1257 3/8 inch tempered transparent glass Unlimited size

SGCC-1258 1/2 inch tempered transparent glass Unlimited size

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

SGCC-1247 1/4 inch tempered transparent glass Unlimited size

Tempglass Eastern, Inc.; Norcross, Georgia

SGCC-1259 5/32 inch tempered transparent glass Unlimited size

Virginia Glass Products Corporation; Martinsville, Virginia

SGCC-1275 3/16 inch tempered pattern glass (s) Unlimited size

DELETIONS:

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

Hehr International, Inc.; Chesaning, Michigan

SGCC-1222 5/32 inch tempered pattern glass (s) 32" by 60"

Lear Siegler, Inc.; Wichita, Kansas

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

Tempglass, Ltd.; Weston, Ontario, Canada

SGCC-1094 3/16 inch tempered transparent glass Unlimited size

Tempglass Eastern, Inc.; Norcross, Georgia

SGCC-1115 5/32 inch tempered transparent glass Unlimited size

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- 300 Guardian Industries	SGCC- 520 Anglass Industries
SGCC- 14 Virginia Glass	SGCC- 316 Rotuba Extruders	SGCC- 544 LOF Glass
SGCC- 19 LOF Glass	SGCC- 320 Tuf-flex Glass	SGCC- 545 LOF Glass
SGCC- 24 AFG Industries	SGCC- 321 Tuf-flex Glass	SGCC- 562 Ohio Plate Glass
SGCC- 28 AFG Industries	SGCC- 322 Tuf-flex Glass	SGCC- 567 Manchester Products
SGCC- 31 AFG Industries	SGCC- 323 Tuf-flex Glass	SGCC- 583 Artistic Glass
SGCC- 40 Guardian Industries	SGCC- 328 Ohio Plate Glass	SGCC- 584 Artistic Glass
SGCC- 41 Guardian Industries	SGCC- 330 Hordis Brothers	SGCC- 585 Artistic Glass
SGCC- 43 Guardian Industries	SGCC- 337 Tempered Glass	SGCC- 586 Chamberlain-Featherlite
SGCC- 54 Hamilton Glass	SGCC- 338 Tempered Glass	SGCC- 587 AFG Industries
SGCC- 57 Hamilton Glass	SGCC- 341 Ford Motor Company	SGCC- 588 AFG Industries
SGCC- 59 PPG Industries	SGCC- 342 Ford Motor Company	SGCC- 592 Tempglass
SGCC- 60 PPG Industries	SGCC- 348 Tempered Glass	SGCC- 593 Tempglass
SGCC- 61 PPG Industries	SGCC- 350 LOF Glass	SGCC- 594 Tempglass
SGCC- 63 PPG Industries	SGCC- 351 LOF Glass	SGCC- 595 Tempglass
SGCC- 64 PPG Industries	SGCC- 352 LOF Glass	SGCC- 597 Tempglass
SGCC- 70 PPG Industries	SGCC- 373 LOF Glass	SGCC- 598 AFG Industries
SGCC- 73 PPG Industries	SGCC- 374 LOF Glass	SGCC- 603 Downey Glass
SGCC- 89 AFG Industries	SGCC- 375 LOF Glass	SGCC- 604 Downey Glass
SGCC- 90 AFG Industries	SGCC- 378 Chromalloy-Safetee	SGCC- 605 Downey Glass
SGCC- 92 Virginia Glass	SGCC- 379 Chromalloy-Safetee	SGCC- 606 Downey Glass
SGCC- 93 Virginia Glass	SGCC- 380 Chromalloy-Safetee	SGCC- 607 Downey Glass
SGCC- 94 Virginia Glass	SGCC- 381 Chromalloy-Safetee	SGCC- 608 Downey Glass
SGCC- 95 Virginia Glass	SGCC- 382 PPG Industries	SGCC- 609 Downey Glass
SGCC- 97 Guardian Industries	SGCC- 386 LOF Glass	SGCC- 617 Guardian Industries
SGCC- 98 Guardian Industries	SGCC- 390 Tuf-flex Glass	SGCC- 630 Downey Glass
SGCC- 102 PPG Industries	SGCC- 391 Tuf-flex Glass	SGCC- 631 Guardian Industries
SGCC- 118 Flex-O-Glass	SGCC- 392 Tuf-flex Glass	SGCC- 633 Guardian Industries
SGCC- 131 Guardian Industries	SGCC- 396 Ford Motor Company	SGCC- 638 Cal-Temp
SGCC- 137 Texas Tempered	SGCC- 397 Ford Motor Company	SGCC- 639 Cal-Temp
SGCC- 141 AFG Industries	SGCC- 400 PPG Industries	SGCC- 640 Cal-Temp
SGCC- 150 LOF Glass	SGCC- 402 PPG Industries	SGCC- 641 Cal-Temp
SGCC- 151 LOF Glass	SGCC- 404 PPG Industries	SGCC- 647 PPG Industries
SGCC- 160 Guardian Industries	SGCC- 441 Temp-Safe	SGCC- 648 PPG Industries
SGCC- 173 Sheffield Plastics	SGCC- 444 LOF Glass	SGCC- 653 PPG Industries
SGCC- 185 Ohio Plate Glass	SGCC- 449 LOF Glass	SGCC- 654 Ohio Plate Glass
SGCC- 186 Ohio Plate Glass	SGCC- 454 PPG Industries	SGCC- 662 Guardian Industries
SGCC- 188 Ohio Plate Glass	SGCC- 455 PPG Industries	SGCC- 668 Texas Tempered
SGCC- 194 PPG Industries	SGCC- 456 PPG Industries	SGCC- 669 Texas Tempered
SGCC- 195 PPG Industries	SGCC- 458 Guardian Industries	SGCC- 675 PPG Industries
SGCC- 209 PPG Industries Canada	SGCC- 464 LOF Glass	SGCC- 676 PPG Industries
SGCC- 219 PPG Industries	SGCC- 471 Guardian Industries	SGCC- 678 Downey Glass
SGCC- 220 AFG Industries	SGCC- 474 PPG Industries	SGCC- 680 PPG Industries
SGCC- 229 Tuf-flex Glass	SGCC- 475 PPG Industries	SGCC- 701 Northwestern Industries
SGCC- 249 PPG Industries	SGCC- 482 Tuf-flex Glass	SGCC- 702 Northwestern Industries
SGCC- 250 PPG Industries	SGCC- 483 Tuf-flex Glass	SGCC- 703 Northwestern Industries
SGCC- 251 PPG Industries Canada	SGCC- 487 Guardian Industries	SGCC- 704 Northwestern Industries
SGCC- 257 Tuf-flex Glass	SGCC- 488 Temp-Safe	SGCC- 707 Northwestern Industries
SGCC- 258 Tuf-flex Glass	SGCC- 508 Central Glass	SGCC- 709 Falconer Glass
SGCC- 263 Guardian Industries	SGCC- 514 Downey Glass	SGCC- 710 Falconer Glass
SGCC- 264 Guardian Industries	SGCC- 515 Downey Glass	SGCC- 711 Falconer Glass
SGCC- 270 Tuf-flex Glass	SGCC- 516 Downey Glass	SGCC- 712 Falconer Glass
SGCC- 295 PPG Industries		

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CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 723 Tempglass Western	SGCC-1059 Tempglass Eastern	SGCC-1200 Hamilton Glass
SGCC- 724 Tempglass Western	SGCC-1062 Hehr International	SGCC-1201 Gemtron
SGCC- 725 Tempglass Western	SGCC-1067 PPG Industries	SGCC-1204 Tuf-flex Glass
SGCC- 726 Tempglass Western	SGCC-1068 Tempglass Southern	SGCC-1208 Falconer Glass
SGCC- 818 Tuf-flex Glass	SGCC-1071 Shaw Glass	SGCC-1213 Tempglass Eastern
SGCC- 920 Northwestern Industries	SGCC-1073 LOF Glass	SGCC-1214 Falconer Glass
SGCC- 921 Tuf-flex Glass	SGCC-1074 LOF Glass	SGCC-1215 Colonial
SGCC- 927 PPG Industries	SGCC-1075 LOF Glass	SGCC-1216 Guardian Industries
SGCC- 933 Guardian Industries	SGCC-1076 LOF Glass	SGCC-1218 Falconer Glass
SGCC- 934 Guardian Industries	SGCC-1077 LOF Glass	SGCC-1219 Tempglass Southern
SGCC- 935 Downey Glass	SGCC-1078 LOF Glass	SGCC-1221 PPG Industries
SGCC- 949 AFG Industries	SGCC-1079 LOF Glass	SGCC-1223 Cal-Temp
SGCC- 952 PPG Industries	SGCC-1089 Tempglass, Ltd.	SGCC-1224 Tuf-flex Glass
SGCC- 955 AFG Industries	SGCC-1090 Tempglass, Ltd.	SGCC-1226 Cal-Temp
SGCC- 964 Guardian Industries	SGCC-1095 Tempglass, Ltd.	SGCC-1227 Enhanced Glass
SGCC- 968 Guardian Industries	SGCC-1107 PPG Industries	SGCC-1228 Enhanced Glass
SGCC- 969 Guardian Industries	SGCC-1108 PPG Industries	SGCC-1229 Enhanced Glass
SGCC- 970 Guardian Industries	SGCC-1110 PPG Industries	SGCC-1230 Southern Wholesale
SGCC- 971 Guardian Industries	SGCC-1111 PPG Industries	SGCC-1231 Southern Wholesale
SGCC- 974 Pacific Tempering	SGCC-1112 PPG Industries	SGCC-1234 Tempglass Western
SGCC- 975 Pacific Tempering	SGCC-1113 PPG Industries	SGCC-1235 Guardian Industries
SGCC- 978 Hordis Brothers	SGCC-1117 Central Glass	SGCC-1236 Virginia Glass
SGCC- 979 Tempglass Eastern	SGCC-1118 Tempered Glass	SGCC-1237 Glass Tempering Service
SGCC- 981 Tempglass Eastern	SGCC-1120 PPG Industries Canada	SGCC-1238 Glass Tempering Service
SGCC- 982 Tempglass Eastern	SGCC-1123 Fulton Glass	SGCC-1239 Glass Tempering Service
SGCC- 986 Temp-Tech	SGCC-1124 Fulton Glass	SGCC-1240 Pacific Tempering
SGCC- 987 Tempglass Eastern	SGCC-1125 Fulton Glass	SGCC-1241 Tuf-flex Glass
SGCC- 988 Tempglass Eastern	SGCC-1126 Fulton Glass	SGCC-1242 Enhanced Glass
SGCC- 990 Bennett's	SGCC-1127 Fulton Glass	SGCC-1243 Enhanced Glass
SGCC- 991 Bennett's	SGCC-1128 Fulton Glass	SGCC-1244 Pacific Tempering
SGCC- 992 Bennett's	SGCC-1139 AFG Industries	SGCC-1245 Southern Plastics
SGCC- 993 Bennett's	SGCC-1140 Bennett's	SGCC-1246 PPG Industries
SGCC- 994 Bennett's	SGCC-1143 AFG Industries	SGCC-1247 PPG Industries Canada
SGCC- 999 Anglass Industries	SGCC-1145 PPG Industries	SGCC-1248 Guardian Industries
SGCC-1000 Anglass Industries	SGCC-1146 Hordis Brothers	SGCC-1249 Guardian Industries
SGCC-1002 Downey Glass	SGCC-1147 Tempered Glass	SGCC-1250 Guardian Industries
SGCC-1004 Guardian Industries	SGCC-1157 Cal-Temp	SGCC-1251 Guardian Industries
SGCC-1034 Shaw Glass	SGCC-1159 Texas Tempered	SGCC-1253 Guardian Industries
SGCC-1035 Shaw Glass	SGCC-1161 Guardian Industries	SGCC-1257 Northwestern Industries
SGCC-1036 Shaw Glass	SGCC-1165 Colonial	SGCC-1258 Northwestern Industries
SGCC-1037 Shaw Glass	SGCC-1166 Colonial	SGCC-1259 Tempglass Eastern
SGCC-1039 Tempglass	SGCC-1167 Colonial	SGCC-1260 Amworth Industries
SGCC-1041 Ardco	SGCC-1173 Lear Siegler	SGCC-1261 Chromalloy-Safetee
SGCC-1042 Ardco	SGCC-1176 Cal-Temp	SGCC-1262 Chromalloy-Safetee
SGCC-1044 Tempglass Southern	SGCC-1179 Hamilton Glass	SGCC-1268 Howe-Martz
SGCC-1045 Tempglass Southern	SGCC-1180 General Glass	SGCC-1269 Howe-Martz
SGCC-1046 Tempglass Southern	SGCC-1181 General Glass	SGCC-1271 J. E. Berkowitz
SGCC-1049 Ardco	SGCC-1182 General Glass	SGCC-1272 J. E. Berkowitz
SGCC-1050 Ohio Plate Glass	SGCC-1186 Temp-Safe	SGCC-1273 J. E. Berkowitz
SGCC-1051 Hordis Brothers	SGCC-1192 Texas Tempered	SGCC-1274 J. E. Berkowitz
SGCC-1055 Pacific Tempering	SGCC-1193 Asahi Glass	SGCC-1275 Virginia Glass
SGCC-1056 Temp-Safe	SGCC-1194 Asahi Glass	SGCC-1276 J. E. Berkowitz
SGCC-1058 Tempglass Eastern		

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED SIZE

AFG Industries, Inc.; Greenland, Tennessee

SGCC- 955	5/32	inch	tempered	transparent	glass	Unlimited size
SGCC- 598	1/8	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

Amworth Industries Corporation; Renedo, Spain

SGCC-1260	5/32	inch	tempered	pattern	glass (m)	Unlimited size
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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	24" by 48"
SGCC- 584	3/16	inch	tempered	transparent	glass	24" by 48"
SGCC- 585	1/4	inch	tempered	transparent	glass	24" by 48"

Asahi Glass Company, Ltd.; Tokyo, Japan

SGCC-1193	5/32	inch	tempered	transparent	glass	Unlimited size
SGCC-1194	5/32	inch	tempered	pattern	glass (s)	Unlimited size

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-1223	1/8	inch	tempered	transparent	glass	Unlimited size
SGCC-1176	5/32	inch	tempered	transparent	glass	Unlimited size
SGCC-1157	3/16	inch	tempered	transparent	glass	Unlimited size
SGCC- 538	1/4	inch	tempered	transparent	glass	Unlimited size
SGCC- 639	3/8	inch	tempered	transparent	glass	Unlimited size

Continued next page.

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

			MAXIMUM CERTIFIED SIZE
SGCC- 640	1/2	inch tempered transparent glass	Unlimited size
SGCC-1226	1/8	inch tempered pattern glass (s)	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
Chamberlain-Featherlite, Inc.; Malvern, Arkansas			
SGCC- 586	1/8	inch tempered transparent glass	Unlimited size
Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania			
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
Chromalloy-Safetee Glass Division; Lewistown, Pennsylvania			
SGCC-1261	3/16	inch tempered transparent glass	Unlimited size
SGCC-1262	1/4	inch tempered transparent glass	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York			
SGCC-1215	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- 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
Enhanced Glass Corporation; Waco, Texas			
SGCC-1227	1/8	inch tempered transparent glass	Unlimited size
SGCC-1228	3/16	inch tempered transparent glass	Unlimited size
SGCC-1229	1/4	inch tempered transparent glass	Unlimited size
SGCC-1242	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1243	7/32	inch tempered pattern glass (s)	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York			
SGCC-1214	5/32	inch tempered transparent glass	Unlimited size

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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

			MAXIMUM CERTIFIED SIZE
SGCC-1208	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
SGCC-1218	7/32	inch tempered pattern glass (s)	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	Unlimited size
SGCC- 396	5/32	inch tempered transparent glass	Unlimited size
SGCC- 342	3/16	inch tempered transparent glass	Unlimited size
SGCC- 397	1/4	inch tempered transparent glass	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia			
SGCC-1123	5/32	inch tempered transparent glass	Unlimited size
SGCC-1124	3/16	inch tempered transparent glass	Unlimited size
SGCC-1125	1/4	inch tempered transparent glass	Unlimited size
SGCC-1126	3/8	inch tempered transparent glass	Unlimited size
SGCC-1127	1/2	inch tempered transparent glass	Unlimited size
SGCC-1128	7/32	inch tempered pattern glass (s)	Unlimited size
Gemtron Corporation; Sweetwater, Tennessee			
SGCC-1201	3/16	inch tempered transparent glass	Unlimited size
General Glass Corporation; Denver, Colorado			
SGCC-1180	5/32	inch tempered transparent glass	Unlimited size
SGCC-1181	3/16	inch tempered transparent glass	Unlimited size
SGCC-1182	1/4	inch tempered transparent glass	Unlimited size
Glass Tempering Service, Inc.; Detroit, Michigan			
SGCC-1237	3/16	inch tempered transparent glass	Unlimited size
SGCC-1238	1/4	inch tempered transparent glass	Unlimited size
SGCC-1239	7/32	inch tempered pattern glass (s)	34" by 72"
Guardian Industries Corporation; Carleton, Michigan			
SGCC- 933	1/8	inch tempered transparent glass	Unlimited size
SGCC- 934	5/32	inch tempered transparent glass	Unlimited size
SGCC- 631	3/16	inch tempered transparent glass	Unlimited size
SGCC- 131	1/4	inch tempered transparent glass	Unlimited size
SGCC- 160	3/8	inch tempered transparent glass	Unlimited size
SGCC- 263	1/2	inch tempered transparent glass	Unlimited size
Guardian Industries Corporation; Corsicana, Texas			
SGCC-1248	1/8	inch tempered transparent glass	Unlimited size
SGCC-1249	5/32	inch tempered transparent glass	Unlimited size
SGCC-1250	3/16	inch tempered transparent glass	Unlimited size
SGCC-1251	1/4	inch tempered transparent glass	Unlimited size
SGCC-1253	3/8	inch tempered transparent glass	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida			
SGCC-1161	1/8	inch tempered transparent glass	Unlimited size

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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED SIZE

SGCC- 633	3/16	inch tempered transparent glass	Unlimited size
SGCC- 40	1/4	inch tempered transparent glass	Unlimited size
SGCC- 41	3/8	inch tempered transparent glass	Unlimited size
SGCC-1004	1/2	inch tempered transparent glass	Unlimited size
SGCC- 617	7/32	inch tempered pattern glass (s)	Unlimited size

Guardian Industries Corporation; Kingsburg, California

SGCC- 968	1/8	inch tempered transparent glass	Unlimited size
SGCC- 969	5/32	inch tempered transparent glass	Unlimited size
SGCC- 970	3/16	inch tempered transparent glass	Unlimited size
SGCC- 971	1/4	inch tempered transparent glass	Unlimited size

Guardian Industries Corporation; Torrance, California

SGCC- 964	3/16	inch tempered transparent glass	Unlimited size
SGCC- 43	1/4	inch tempered transparent glass	Unlimited size
SGCC- 97	3/8	inch tempered transparent glass	Unlimited size
SGCC- 98	1/2	inch tempered transparent glass	Unlimited size
SGCC- 264	7/32	inch tempered pattern glass (s)	Unlimited size

Guardian Industries Corporation; Upper Sandusky, Ohio

SGCC- 458	7/32	inch laminated transparent glass (0.030)	Unlimited size
SGCC- 487	1/4	inch laminated transparent glass (0.030)	Unlimited size

Guardian Industries Corporation; Webster, Massachusetts

SGCC- 300	1/8	inch tempered transparent glass	Unlimited size
SGCC-1216	3/16	inch tempered transparent glass	Unlimited size
SGCC- 662	1/4	inch tempered transparent glass	Unlimited size
SGCC- 471	3/8	inch tempered transparent glass	Unlimited size
SGCC-1235	1/2	inch tempered transparent glass	Unlimited size

Hamilton Glass Products, Inc.; Vincennes, Indiana

SGCC- 54	1/8	inch tempered transparent glass	Unlimited size
SGCC-1200	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"
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Hordis Brothers, Inc.; Lancaster, Ohio; Quarry Road

SGCC-1146	3/16	inch tempered transparent glass	Unlimited size
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Hordis Brothers, Inc.; 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"

Howe-Martz Glass Company; Detroit, Michigan

SGCC-1268	1/4	inch tempered transparent glass	Unlimited size
SGCC-1269	3/8	inch tempered transparent glass	Unlimited size

J. E. Berkowitz, Inc.; Westville, New Jersey

SGCC-1276	1/8	inch tempered transparent glass	Unlimited size
SGCC-1271	3/16	inch tempered transparent glass	Unlimited size

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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED SIZE

SGCC-1272	1/4	inch tempered transparent glass	Unlimited size
SGCC-1273	3/8	inch tempered transparent glass	Unlimited size
SGCC-1274	1/2	inch tempered transparent glass	Unlimited size

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-1078	5/8	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

Lear Siegler, Inc.; Wichita, Kansas

SGCC-1173	7/32	inch laminated transparent glass (0.015)	Unlimited size
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Manchester Products Company; Chatsworth, California

SGCC- 567	0.100	inch smooth extruded acrylic	Unlimited size
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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-1257	3/8	inch tempered transparent glass	Unlimited size
SGCC-1258	1/2	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

Ohio Plate Glass Company; Lewisburg, Ohio

SGCC-1050	1/8	inch tempered transparent glass	Unlimited size
SGCC- 185	3/16	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

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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED 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-1246 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.; 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-1221 5/16 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

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

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED 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
SGCC-1247	1/4	inch tempered transparent glass	Unlimited size

Pacific Tempering Company, Inc.; Long Beach, California

SGCC-1244	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-1240	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
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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
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Southern Plastics Company; Columbia, South Carolina

SGCC-1245	0.080	inch through 0.125 inch smooth extruded acrylic	Unlimited size
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Southern Wholesale Glass, Inc.; Marietta, Georgia

SGCC-1230	3/16	inch tempered transparent glass	Unlimited size
SGCC-1231	1/4	inch tempered transparent glass	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

Temp-Tech Industries, Inc.; Chicago, Illinois

SGCC- 986	1/4	inch tempered transparent glass	Unlimited size
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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED 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-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-1259	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-1213	3/16	inch	tempered	pattern	glass (d)	Unlimited size
SGCC- 988	7/32	inch	tempered	pattern	glass (s)	Unlimited size

Tempglass Southern, Inc.; Grand Prairie, Texas

SGCC-1219	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-1068	7/32	inch	tempered	pattern	glass (s)	Unlimited size

Tempglass Western, Inc.; Fremont, California

SGCC-1234	1/8	inch	tempered	transparent	glass	Unlimited size
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

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

Tuf-flex Glass; Atlanta, Georgia

SGCC- 320	3/16	inch	tempered	transparent	glass	Unlimited size
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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM CERTIFIED 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; Union City, California

SGCC-1241	3/16	inch tempered transparent glass	Unlimited size
SGCC-1204	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-1224	7/32	inch tempered pattern glass (s)	Unlimited size

Virginia Glass Products Corporation; Martinsville, Virginia

SGCC-1236	5/32	inch tempered transparent glass	Unlimited size
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-1275	3/16	inch tempered pattern glass (s)	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.; Greenland, Tennessee	SGCC- 598	Unlimited size
Anglass Industries, Inc.; San Fernando, California	SGCC- 520	Unlimited size
Ardco, Inc.; Chicago, Illinois	SGCC-1041	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC- 583	24" by 48"
Cal-Temp; Santa Fe Springs, California	SGCC-1223	Unlimited size
Chamberlain-Featherlite, Inc.; Malvern, Arkansas	SGCC- 586	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 603	Unlimited size
Enhanced Glass Corporation; Waco, Texas	SGCC-1227	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 341	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 933	Unlimited size
Guardian Industries Corporation; Corsicana, Texas	SGCC-1248	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC-1161	Unlimited size
Guardian Industries Corporation; Kingsburg, California	SGCC- 968	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC- 300	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC- 54	Unlimited size
Hehr International, Inc.; Chesaning, Michigan	SGCC-1062	32" by 60"
Hordis Brothers, Inc.; Lancaster, Ohio; Slocum Street	SGCC- 978	30" by 60"
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1276	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 350	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
Tempglass Western, Inc.; Fremont, California	SGCC-1234	Unlimited size

5/32 inch tempered transparent glass

AFG Industries, Inc.; Greenland, Tennessee	SGCC- 955	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 949	Unlimited size
Asahi Glass Company, Ltd.; Tokyo, Japan	SGCC-1193	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC-1176	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC-1002	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC-1214	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 396	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1123	Unlimited size
General Glass Corporation; Denver, Colorado	SGCC-1180	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 934	Unlimited size
Guardian Industries Corporation; Corsicana, Texas	SGCC-1249	Unlimited size
Guardian Industries Corporation; Kingsburg, California	SGCC- 969	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 545	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC- 702	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-1259	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC-1236	Unlimited size

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CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

3/16 inch tempered transparent glass

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	24" by 48"
Bennett's; Salt Lake City, Utah	SGCC-1140	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC-1157	Unlimited size
Chromalloy-Safetee Glass Division; Lewistown, Pennsylvania	SGCC-1261	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1215	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 606	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 630	Unlimited size
Enhanced Glass Corporation; Waco, Texas	SGCC-1228	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC-1208	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 342	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1124	Unlimited size
Gemtron Corporation; Sweetwater, Tennessee	SGCC-1201	Unlimited size
General Glass Corporation; Denver, Colorado	SGCC-1181	Unlimited size
Glass Tempering Service, Inc.; Detroit, Michigan	SGCC-1237	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 631	Unlimited size
Guardian Industries Corporation; Corsicana, Texas	SGCC-1250	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-1216	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC-1200	Unlimited size
Hordis Brothers, Inc.; Lancaster, Ohio; Quarry Road	SGCC-1146	Unlimited size
Hordis Brothers, Inc.; Lancaster, Ohio; Slocum Street	SGCC- 330	30" by 39"
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1271	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
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-1246	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-1244	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1034	Unlimited size
Southern Wholesale Glass, Inc.; Marietta, Georgia	SGCC-1230	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 Eastern, Inc.; Norcross, Georgia	SGCC- 981	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1219	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 723	Unlimited size

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CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

3/16 inch tempered transparent glass-continued

Texas Tempered Glass Company; Houston, Texas	SGCC-1192	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; Union City, California	SGCC-1241	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 12	Unlimited size

1/4 inch tempered transparent glass

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	24" by 48"
Bennett's; Salt Lake City, Utah	SGCC- 990	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC- 638	Unlimited size
Chromalloy-Safetee Glass Division; Lewistown, Pennsylvania	SGCC-1262	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1165	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 609	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 514	Unlimited size
Enhanced Glass Corporation; Waco, Texas	SGCC-1229	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
General Glass Corporation; Denver, Colorado	SGCC-1182	Unlimited size
Glass Tempering Service, Inc.; Detroit, Michigan	SGCC-1238	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 131	Unlimited size
Guardian Industries Corporation; Corsicana, Texas	SGCC-1251	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
Hordis Brothers, Inc.; Lancaster, Ohio; Slocum Street	SGCC-1051	30" by 55"
Howe-Martz Glass Company; Detroit, Michigan	SGCC-1268	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1272	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
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
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
PPG Industries Canada, Ltd.; Owen Sound, Ontario, Canada	SGCC-1247	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC- 974	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1035	Unlimited size
Southern Wholesale Glass, Inc.; Marietta, Georgia	SGCC-1231	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC- 441	Unlimited size

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CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

1/4 inch tempered transparent glass-continued

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
Texas Tempered Glass Company; Houston, Texas	SGCC- 137	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; Union City, California	SGCC-1204	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
PPG Industries, Inc.; Dallas, Texas	SGCC-1221	Unlimited size

3/8 inch tempered transparent glass

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- 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; Corsicana, Texas	SGCC-1253	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
Howe-Martz Glass Company; Detroit, Michigan	SGCC-1269	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1273	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
Northwestern Industries, Inc.; Seattle, Washington	SGCC-1257	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 474	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC- 647	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC-1107	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC-1067	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC- 975	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1036	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC-1186	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC- 348	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
Texas Tempered Glass Company; Houston, Texas	SGCC- 668	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 322	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

3/8 inch tempered transparent glass-continued

Tuf-flex Glass; Elmhurst, Illinois	SGCC- 258	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 391	Unlimited size
Tuf-flex Glass; Union City, California	SGCC- 482	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 93	Unlimited size

1/2 inch tempered transparent glass

Bennett's; Salt Lake City, Utah	SGCC- 992	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC- 640	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1167	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 516	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 711	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1127	Unlimited size
Guardian Industries Corporation; Carleton, Michigan	SGCC- 263	Unlimited size
Guardian Industries Corporation; Fort Lauderdale, Florida	SGCC-1004	Unlimited size
Guardian Industries Corporation; Torrance, California	SGCC- 98	Unlimited size
Guardian Industries Corporation; Webster, Massachusetts	SGCC-1235	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1274	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1077	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 375	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 150	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-1258	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 475	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC- 648	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC-1108	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC-1055	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1037	Unlimited size
Temp-Safe, Inc.; Edmond, Oklahoma	SGCC- 488	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC- 338	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 595	Unlimited size
Tempglass, Ltd.; Weston, Ontario, Canada	SGCC-1090	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC-1059	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1046	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 726	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC- 669	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 323	Unlimited size
Tuf-flex Glass; Elmhurst, Illinois	SGCC- 270	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 392	Unlimited size
Tuf-flex Glass; Union City, California	SGCC- 483	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 94	Unlimited size

5/8 inch tempered transparent glass

LOF Glass; Clinton, North Carolina	SGCC-1078	Unlimited size
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
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 95	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED 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

Cal-Temp; Santa Fe Springs, California

SGCC-1226 Unlimited size

Downey Glass Company, Inc.; Downey, California

SGCC- 604 Unlimited size

Enhanced Glass Corporation; Waco, Texas

SGCC-1242 Unlimited size

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)

Asahi Glass Company, Ltd.; Tokyo, Japan

SGCC-1194 Unlimited size

5/32 inch tempered pattern glass (medium patterns)

Amworth Industries Corporation; Renedo, Spain

SGCC-1260 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

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

Virginia Glass Products Corporation; Martinsville, Virginia

SGCC-1275 Unlimited size

3/16 inch tempered pattern glass (deep patterns)

Ohio Plate Glass Company; Lewisburg, Ohio

SGCC- 328 Unlimited size

Tempglass Eastern, Inc.; Norcross, Georgia

SGCC-1213 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

SGCC- 588 Unlimited size

AFG Industries, Inc.; Kingsport, Tennessee

SGCC- 31 Unlimited size

Bennett's; Salt Lake City, Utah

SGCC- 993 Unlimited size

Cal-Temp; Santa Fe Springs, California

SGCC- 641 Unlimited size

Downey Glass Company, Inc.; Downey, California

SGCC- 608 Unlimited size

Downey Glass Company, Inc.; Los Angeles, California

SGCC- 678 Unlimited size

Enhanced Glass Corporation; Waco, Texas

SGCC-1243 Unlimited size

Falconer Glass Industries, Inc.; Falconer, New York

SGCC-1218 Unlimited size

Fulton Glass Industries, Inc.; Red Oak, Georgia

SGCC-1128 Unlimited size

Glass Tempering Service, Inc.; Detroit, Michigan

SGCC-1239 34" by 72"

Guardian Industries Corporation; Fort Lauderdale, Florida

SGCC- 617 Unlimited size

Guardian Industries Corporation; Torrance, California

SGCC- 264 Unlimited size

Northwestern Industries, Inc.; Seattle, Washington

SGCC- 707 Unlimited size

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CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

7/32 inch tempered pattern glass (shallow patterns)-continued

Ohio Plate Glass Company; Lewisburg, Ohio	SGCC- 562	Unlimited size
PPG Industries, Inc.; Baltimore, Maryland	SGCC- 456	Unlimited size
PPG Industries, Inc.; Chicago, Illinois	SGCC- 653	Unlimited size
PPG Industries, Inc.; Dallas, Texas	SGCC- 404	Unlimited size
PPG Industries, Inc.; Miami, Florida	SGCC- 219	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC-1240	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1071	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-1118	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 597	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 988	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1068	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 818	Unlimited size
Tuf-flex Glass; Union City, California	SGCC-1224	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 92	Unlimited size

LAMINATED GLASS

7/32 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC- 378	Unlimited size
Guardian Industries Corporation; Upper Sandusky, Ohio	SGCC- 458	Unlimited size
Lear Siegler, Inc.; Wichita, Kansas	SGCC-1173	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC-1159	Unlimited size

1/4 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC- 379	Unlimited size
Guardian Industries Corporation; Upper Sandusky, Ohio	SGCC- 487	Unlimited size

3/8 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC- 380	Unlimited size
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1/2 inch laminated transparent glass

Chromalloy-Safetee Glass Division; King of Prussia, Pennsylvania	SGCC- 381	Unlimited size
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TRANSPARENT WIRED GLASS

1/4 inch polished wired glass

Central Glass Company, Ltd.; Tokyo, Japan	SGCC- 508	Unlimited size
Central Glass Company, Ltd.; Tokyo, Japan	SGCC-1117	Unlimited size

SAFETY PLASTIC SHEET

0.080 inch and greater thicknesses acrylic

Rotuba Extruders, Inc.; Linden, New Jersey	SGCC- 316	Unlimited size
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0.080 through 0.125 inch acrylic

Flex-O-Glass, Inc.; Dixon, Illinois	SGCC- 118	Unlimited size
Sheffield Plastics, Inc.; Sheffield, Massachusetts	SGCC- 173	Unlimited size
Southern Plastics Company; Columbia, South Carolina	SGCC-1245	Unlimited size

0.100 inch acrylic

Manchester Products Company; Chatsworth, California	SGCC- 567	Unlimited size
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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.

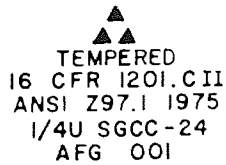
EXAMPLES:

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

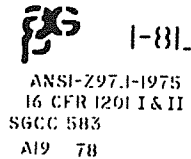
ANSI Z97.1-1975 SGCC-123 1/4 U
16 CFR 1201 II SGCC-691

EXAMPLE OF LICENSEE'S TYPICAL LABEL

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



ARTISTIC GLASS PRODUCTS COMPANY
P.O. Box C
Trumbauersville, Pennsylvania 18970

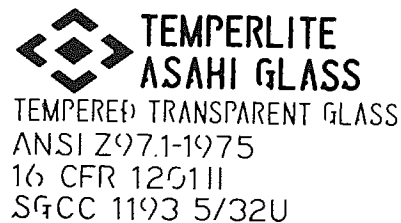


AMWORTH INDUSTRIES CORPORATION
1655 Palm Beach Lakes Boulevard
Suite 1000
West Palm Beach, Florida 33401



AIC
ANSI Z97.1-1975
SGCC - 1260
5/32 U

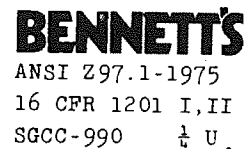
ASAHI GLASS COMPANY, LTD.
1-2 Marunouchi, 2-Chrome
Chiyoda-Ku, Tokyo 100



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



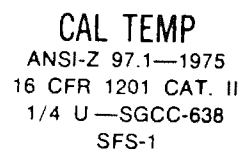
BENNETT'S
2132 South 300 West
Salt Lake City, Utah 84115



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




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



EXAMPLE OF LICENSEE'S TYPICAL LABEL

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

POLISHED WIRE) GLASS
 **CENTRAL GLASS**
MADE IN JAPAN
WIRED SAFETY GLASS
ANSI Z97.1-1975 1/4U
SGCC-1117

CHAMBERLAIN-FEATHERLITE
1215 Industrial Lane
Malvern, Arkansas 72104

SAFETY PANE
TEMPERED SAFETY GLASS
ANSI Z97.1-1975 SGCC 586 1/8U
16 CFR 1201 I & II

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

TENTATIVE LABEL

CHROMALLOY AMERICAN
Tempered Safety Glass
ANSI Z97.1-1975
SGCC-1262 1/4U

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

COLONIAL MIRROR & GLASS CORP.
SAFETY TEMPERED GLASS
GLAS STEEL 1/2" U
ANSI-Z-97-1-1975
16 CFR 1201-I, II, -SGCC-1167

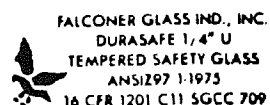
DOWNEY GLASS COMPANY, INC.
5631 Ferguson Drive
Los Angeles, California 90022




ENHANCED GLASS CORPORATION
2901 Marlin, Highway 6
Waco, Texas 76705

EBC-TEMEX
TEMPERED SAFETY GLASS
16 CFR 1201-I,II SGCC 1227
ANSI Z97.1-1975 1/8U

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



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


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

EXAMPLE OF LICENSEE'S TYPICAL LABEL

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



GLASS TEMPERING SERVICE, INC.
14285 Wyoming Street
Detroit, Michigan 48238

Tentative Label

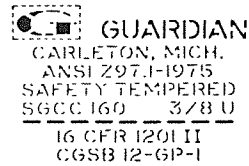
GLASS TEMPERING
Tempered Safety Glass
ANSI Z97.1-1975
16 CFR 1201 I & II
SGCC-1238 1/4 U

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



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



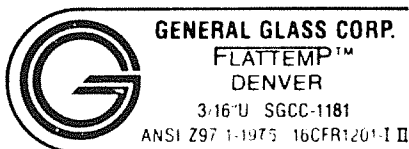
GEMTRON CORPORATION
New Highway 68; P.O. Box 416
Sweetwater, Tennessee 37874

+
TEMPERED
16CFR 1201 CII
ANSI Z97.1 1975
3/16 U - SGCC-1201/1202
GEMTRON 013 1981

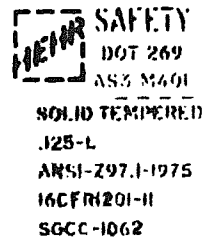
HAMILTON GLASS PRODUCTS, INC.
2000 Chestnut Street
Vincennes, Indiana 47591

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

GENERAL GLASS CORPORATION
P.O. Box 38711
Denver, Colorado 80238



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



EXAMPLE OF LICENSEE'S TYPICAL LABEL

HORDIS BROTHERS, INC.
1500 Glen Avenue - Technipark
Moorestown, New Jersey 08057

TENTATIVE LABEL

HORDIS BROTHERS
Tempered Safety Glass
ANSI Z97.1-1975
SGCC-1146 3/16U

HOWE-MARTZ GLASS COMPANY
14291 Meyers Road
Detroit, Michigan 48227


FLO & TUF
TEMPERED SAFETY GLASS
16 CFR 1201 CII
ANSI Z97.1-1975 1/4U
SGCC 1268

J. E. BERKOWITZ, INC.
Delsea Drive and Harvard Avenue
Westville, New Jersey 08093


Tentative Label

TEMPERFECT
J E BERKOWITZ, INC.
ANSI Z97.1-1975
16 CFR 1201 I & II
SGCC-1271 3/16U

LOF GLASS
LIBBEY-OWENS-FORD COMPANY
811 Madison Avenue
P.O. Box 799
Toledo, Ohio 43695

 **TUF-FLEX® FT 1/4"-U B**
TEMPERED SAFETY GLASS
ANSI Z 97.1-1975 SGCC 352
16 CFR 1201-I,II SGCC 847

LEAR SIEGLER, INC.
P.O. Box 1879
Wichita, Kansas 67201


LAMINATED
SAFE  LITE
ANSI Z97.1-1975
7/32U SGCC-1173

16CFR1201-CII


MANCHESTER PRODUCTS COMPANY
8966 Mason Avenue
Chatsworth, California 91311

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

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

TEMPERED
SAFETY GLASS

SGCC- 701 1/8 -II
ANSI Z97.1-1975
16CFR1201CII
CG5B-12-6P-I

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

TEMPERED
SGCC 185
OHIO PLATE
3/16"-II 16CFR1201-II
ANSI Z97.1-1975
 8111.

EXAMPLE OF LICENSEE'S TYPICAL LABEL

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

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

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

LB TEMP
ANSI Z97.1 1975
16 CFR 1201.C11
1/4U SG55-974

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

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

SHEFFIELD PLASTICS, INC.
Salisbury Road
Sheffield, Massachusetts 01257

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

SOUTHERN PLASTICS COMPANY
P.O. Drawer 39
Columbia, South Carolina 29202

ANSI Z97.1-1975
SGCC 1245 .110U

SOUTHERN WHOLESALE GLASS, INC.
3200 Austell Road
Marietta, Georgia 30060



SOUTHERN TEMP.
ANSI Z97.1-1975
16 CFR 1201-CII
SGCC 1239 3/16" U

EXAMPLE OF LICENSEE'S TYPICAL LABEL

TEMP-SAFE, INC.
P.O. Box 1219
Edmond, Oklahoma 73083

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

ETC TEMPERED GLASS
MIC 16 CFR 1201 C II
PIH ANSI Z97.1-1975
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 1201-11
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 1046 1/2" U
16 CFR 1201 - 11

TEMPGLASS, INC.
Ampoint
291 M Street
Perrysburg, Ohio 43551

TEMPGLASS, INC.
16 CFR 1201 C II
ANSI Z97.1-1975
SGCC 594
3 8 U (1)

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

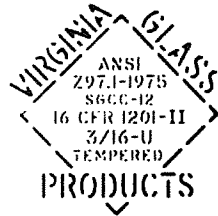
**TEMPGLASS
WESTERN**
ANSI Z97.1 - 1975
16 CFR 1201 - II
SGCC 725 3/8" U

EXAMPLE OF LICENSEE'S TYPICAL LABEL

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

VIRGINIA GLASS PRODUCTS CORPORATION
P.O. Box 5431
Martinsville, Virginia 24115

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



TUF-FLEX GLASS
LIBBEY-OWENS-FORD COMPANY
P.O. Box 799
Toledo, Ohio 43695

- Tuf-flex Glass FT 1/4" F •
- TEMPERED SAFETY GLASS •
- ANSI Z97.1-1975 16 CFR 1201-1&11 •
- SGCC-229 SGCC-868 •

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:

\$565 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.

\$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 ANSI program.

\$695 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.

\$95 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:

Mr. Leigh T. Yates, SGCC President
c/o Falconer Glass Industries, Inc.
500 South Work Street
Falconer, New York 14733

Telephone 716-665-6422

Mr. Robert A. Moss, Chairman
SGCC Certification Committee
c/o Hamilton Glass Products, Inc.
2000 Chestnut Street
P.O. Box 317
Vincennes, Indiana 47591

Telephone 812-882-2680

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.

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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 certified mail.

b) The SGCC administrator will immediately supply the licensee with test release bond forms for submission by the licensee. A separate bond shall be submitted for each certified product affected.

c) Within 2 weeks after receipt of the bond forms, the licensee shall submit them to the SGCC administrator.

d) During the period covered by the bond the licensee shall retain certification, contingent upon payment of normal certification fees and meeting all other licensee obligations. Bonds will terminate 90 days after acceptance by SGCC but may be renewed by the licensee any number of times. Renewal is an obligation of the licensee and requires all steps listed herein.

e) Within one week after re-activation of the production facility the licensee shall 1) notify the SGCC administrator by certified mail and 2) submit samples from the first weeks production to an SGCC approved laboratory for testing. In cases where more than one certified product is produced with the same equipment, samples of each must be furnished for testing within the first month. These will be considered as the routine samples for retesting for the six months period during which they are submitted.

f) Failure 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:

<i>Pattern depth class</i>	<i>Ratio</i>
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.

TP.3
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.

TP.5
When medium pattern glass is not available for routine sampling, the licensee submitted specimens must be a medium pattern (a shallow pattern is not acceptable).

TP.6
When deep pattern glass is not available for routine sampling, the licensee submitted specimens must be a deep pattern (shallow or medium patterns are not acceptable).

LAMINATED GLASS

L.1
Certification of regular laminated glass will also cover tinted, heat absorbing and coated glasses, 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
When a laminated annealed glass is certified, other laminated glasses having the same thickness or thicknesses of heat strengthened or tempered glass and the same or greater thickness of plastic interlayer of the same chemical composition will be considered to be included in the certification.

L.9
When laminated glass is not available for routine sampling, the licensee submitted specimens must contain the identical thickness plastic interlayer that was contained in the prototype specimens.

WIRED GLASS

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 Military Specification MIL-P-46144, latest issue.

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

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

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

PLASTICS—EXTERIOR USE

PE.1
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

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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- 14 Virginia Glass
SGCC- 24 AFG Industries
SGCC- 28 AFG Industries
SGCC- 31 AFG Industries

SGCC- 54 Hamilton Glass
SGCC- 57 Hamilton Glass
SGCC- 59 PPG Industries
SGCC- 60 PPG Industries
SGCC- 61 PPG Industries

SGCC- 63 PPG Industries
SGCC- 64 PPG Industries
SGCC- 70 PPG Industries
SGCC- 89 AFG Industries
SGCC- 90 AFG Industries

SGCC- 92 Virginia Glass
SGCC- 93 Virginia Glass
SGCC- 94 Virginia Glass
SGCC- 95 Virginia Glass
SGCC- 118 Flex-0-Glass

SGCC- 137 Texas Tempered
SGCC- 141 AFG Industries
SGCC- 173 Sheffield Plastics
SGCC- 185 Ohio Plate Glass
SGCC- 186 Ohio Plate Glass

SGCC- 194 PPG Industries
SGCC- 195 PPG Industries
SGCC- 209 PPG Industries Canada
SGCC- 220 AFG Industries
SGCC- 249 PPG Industries

SGCC- 250 PPG Industries
SGCC- 251 PPG Industries Canada
SGCC- 295 PPG Industries
SGCC- 316 Rotuba Extruders
SGCC- 400 PPG Industries

SGCC- 402 PPG Industries
SGCC- 454 PPG Industries
SGCC- 455 PPG Industries
SGCC- 583 Artistic Glass
SGCC- 584 Artistic Glass

SGCC- 585 Artistic Glass
SGCC- 586 Chamberlain-Featherlite
SGCC- 587 AFG Industries
SGCC- 588 AFG Industries
SGCC- 592 Tempglass

SGCC- 593 Tempglass
SGCC- 594 Tempglass
SGCC- 595 Tempglass
SGCC- 597 Tempglass
SGCC- 598 AFG Industries

SGCC- 638 Cal-Temp
SGCC- 639 Cal-Temp
SGCC- 640 Cal-Temp
SGCC- 641 Cal-Temp
SGCC- 668 Texas Tempered

SGCC- 669 Texas Tempered
SGCC- 675 PPG Industries
SGCC- 676 PPG Industries
SGCC- 680 PPG Industries
SGCC- 701 Northwestern Industries

SGCC- 702 Northwestern Industries

SGCC- 703 Northwestern Industries
SGCC- 704 Northwestern Industries
SGCC- 707 Northwestern Industries
SGCC- 709 Falconer Glass
SGCC- 710 Falconer Glass

SGCC- 711 Falconer Glass
SGCC- 712 Falconer Glass
SGCC- 723 Tempglass Western
SGCC- 724 Tempglass Western
SGCC- 725 Tempglass Western

SGCC- 726 Tempglass Western
SGCC- 727 Ford Motor Company
SGCC- 728 Ford Motor Company
SGCC- 729 Ford Motor Company
SGCC- 730 Ford Motor Company

SGCC- 805 Downey Glass
SGCC- 806 Downey Glass
SGCC- 807 Downey Glass
SGCC- 808 Downey Glass
SGCC- 809 Downey Glass

SGCC- 810 Downey Glass
SGCC- 811 Downey Glass
SGCC- 812 Downey Glass
SGCC- 813 Downey Glass
SGCC- 814 Downey Glass

SGCC- 815 Downey Glass
SGCC- 817 Downey Glass
SGCC- 832 Tempered Glass
SGCC- 833 Tempered Glass
SGCC- 834 Tempered Glass

SGCC- 844 LOF Glass
SGCC- 845 LOF Glass
SGCC- 846 LOF Glass
SGCC- 847 LOF Glass
SGCC- 848 LOF Glass

SGCC- 849 LOF Glass
SGCC- 850 LOF Glass
SGCC- 854 LOF Glass
SGCC- 855 LOF Glass
SGCC- 856 LOF Glass

SGCC- 857 LOF Glass
SGCC- 858 LOF Glass
SGCC- 859 LOF Glass
SGCC- 860 LOF Glass
SGCC- 861 LOF Glass

SGCC- 862 Tuf-flex Glass
SGCC- 863 Tuf-flex Glass
SGCC- 865 Tuf-flex Glass
SGCC- 866 Tuf-flex Glass
SGCC- 868 Tuf-flex Glass

SGCC- 869 Tuf-flex Glass
SGCC- 870 Tuf-flex Glass
SGCC- 872 Tuf-flex Glass
SGCC- 873 Tuf-flex Glass
SGCC- 874 Tuf-flex Glass

SGCC- 879 Tuf-flex Glass
SGCC- 881 Tuf-flex Glass
SGCC- 882 Tuf-flex Glass
SGCC- 898 Tuf-flex Glass
SGCC- 912 Vidrierias De Llodio

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CERTIFIED PRODUCTS — NUMERICAL SEQUENCE

SGCC- 913 Vidrierias De Llodio
SGCC- 920 Northwestern Industries
SGCC- 927 PPG Industries
SGCC- 949 AFG Industries
SGCC- 955 AFG Industries

SGCC- 958 Gateway Industries
SGCC- 960 Gateway Industries
SGCC- 974 Pacific Tempering
SGCC- 975 Pacific Tempering
SGCC- 979 Tempglass Eastern

SGCC- 981 Tempglass Eastern
SGCC- 982 Tempglass Eastern
SGCC- 986 Temp-Tech
SGCC- 987 Tempglass Eastern
SGCC- 988 Tempglass Eastern

SGCC- 990 Bennett's
SGCC- 991 Bennett's
SGCC- 992 Bennett's
SGCC- 993 Bennett's
SGCC- 994 Bennett's

SGCC-1003 Downey Glass
SGCC-1010 Tuf-flex Glass
SGCC-1034 Shaw Glass
SGCC-1035 Shaw Glass
SGCC-1036 Shaw Glass

SGCC-1037 Shaw Glass
SGCC-1039 Tempglass
SGCC-1044 Tempglass Southern
SGCC-1045 Tempglass Southern
SGCC-1046 Tempglass Southern

SGCC-1050 Ohio Plate Glass
SGCC-1055 Pacific Tempering
SGCC-1058 Tempglass Eastern
SGCC-1059 Tempglass Eastern
SGCC-1062 Hehr International

SGCC-1068 Tempglass Southern
SGCC-1071 Shaw Glass
SGCC-1080 LOF Glass
SGCC-1081 LOF Glass
SGCC-1082 LOF Glass

SGCC-1083 LOF Glass
SGCC-1084 LOF Glass
SGCC-1085 LOF Glass
SGCC-1086 LOF Glass
SGCC-1089 Tempglass, Ltd.

SGCC-1090 Tempglass, Ltd.
SGCC-1095 Tempglass, Ltd.
SGCC-1110 PPG Industries
SGCC-1111 PPG Industries
SGCC-1112 PPG Industries

SGCC-1114 Downey Glass
SGCC-1120 PPG Industries Canada
SGCC-1130 Fulton Glass
SGCC-1131 Fulton Glass
SGCC-1132 Fulton Glass

SGCC-1134 Fulton Glass
SGCC-1135 Fulton Glass
SGCC-1139 AFG Industries
SGCC-1140 Bennett's
SGCC-1143 AFG Industries

SGCC-1145 PPG Industries
SGCC-1148 Tempered Glass
SGCC-1149 Tuf-flex Glass
SGCC-1157 Cal-Temp
SGCC-1159 Texas Tempered

SGCC-1163 Gateway Industries
SGCC-1165 Colonial
SGCC-1166 Colonial
SGCC-1167 Colonial
SGCC-1176 Cal-Temp

SGCC-1179 Hamilton Glass
SGCC-1180 General Glass
SGCC-1181 General Glass
SGCC-1182 General Glass
SGCC-1192 Texas Tempered

SGCC-1193 Asahi Glass
SGCC-1194 Asahi Glass
SGCC-1200 Hamilton Glass
SGCC-1202 Gemtron
SGCC-1205 Tuf-flex Glass

SGCC-1207 Tuf-flex Glass
SGCC-1208 Falconer Glass
SGCC-1210 Tempered Glass
SGCC-1211 Vidrierias De Llodio
SGCC-1212 Fulton Glass

SGCC-1213 Tempglass Eastern
SGCC-1214 Falconer Glass
SGCC-1215 Colonial
SGCC-1218 Falconer Glass
SGCC-1219 Tempglass Southern

SGCC-1223 Cal-Temp
SGCC-1226 Cal-Temp
SGCC-1227 Enhanced Glass
SGCC-1228 Enhanced Glass
SGCC-1229 Enhanced Glass

SGCC-1230 Southern Wholesale
SGCC-1231 Southern Wholesale
SGCC-1234 Tempglass Western
SGCC-1236 Virginia Glass
SGCC-1237 Glass Tempering Service

SGCC-1238 Glass Tempering Service
SGCC-1239 Glass Tempering Service
SGCC-1240 Pacific Tempering
SGCC-1242 Enhanced Glass
SGCC-1243 Enhanced Glass

SGCC-1244 Pacific Tempering
SGCC-1246 PPG Industries
SGCC-1257 Northwestern Industries
SGCC-1258 Northwestern Industries
SGCC-1259 Tempglass Eastern

SGCC-1263 Gateway Industries
SGCC-1264 Gateway Industries
SGCC-1268 Howe-Martz
SGCC-1269 Howe-Martz
SGCC-1271 J. E. Berkowitz

SGCC-1272 J. E. Berkowitz
SGCC-1273 J. E. Berkowitz
SGCC-1274 J. E. Berkowitz
SGCC-1275 Virginia Glass
SGCC-1276 J. E. Berkowitz

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED SIZE

AFG Industries, Inc.; Greenland, Tennessee

SGCC- 955	5/32	inch tempered transparent glass	Unlimited size
SGCC- 598	1/8	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	24" by 48"
SGCC- 584	3/16	inch tempered transparent glass	24" by 48"
SGCC- 585	1/4	inch tempered transparent glass	24" by 48"

Asahi Glass Company, Ltd.; Tokyo, Japan

SGCC-1193	5/32	inch tempered transparent glass	Unlimited size
SGCC-1194	5/32	inch tempered pattern glass (s)	Unlimited size

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-1223	1/8	inch tempered transparent glass	Unlimited size
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-1226	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC- 641	7/32	inch tempered pattern glass (s)	Unlimited size

Chamberlain-Featherlite, Inc.; Malvern, Arkansas

SGCC- 586	1/8	inch tempered transparent glass	Unlimited size
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Colonial Mirror and Glass Corporation; Brooklyn, New York

SGCC-1215	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

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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED 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

Enhanced Glass Corporation; Waco, Texas

SGCC-1227	1/8	inch tempered transparent glass	Unlimited size
SGCC-1228	3/16	inch tempered transparent glass	Unlimited size
SGCC-1229	1/4	inch tempered transparent glass	Unlimited size
SGCC-1242	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1243	7/32	inch tempered pattern glass (s)	Unlimited size

Falconer Glass Industries, Inc.; Falconer, New York

SGCC-1214	5/32	inch tempered transparent glass	Unlimited size
SGCC-1208	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
SGCC-1218	7/32	inch tempered pattern glass (s)	Unlimited size

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

SGCC- 118	0.080	inch through 0.125 inch smooth extruded acrylic	Unlimited size
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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-1130	5/32	inch tempered transparent glass	Unlimited size
SGCC-1131	3/16	inch tempered transparent glass	Unlimited size
SGCC-1132	1/4	inch tempered transparent glass	Unlimited size
SGCC-1212	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

Continued next page.

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

			MAXIMUM CERTIFIED SIZE
SGCC-1263	1/4	inch tempered transparent glass	Unlimited size
SGCC-1264	5/32	inch tempered pattern glass (s)	Unlimited size
SGCC- 960	3/16	inch tempered pattern glass (d)	Unlimited size
Gemtron Corporation; Sweetwater, Tennessee			
SGCC-1202	3/16	inch tempered transparent glass	Unlimited size
General Glass Corporation; Denver, Colorado			
SGCC-1180	5/32	inch tempered transparent glass	Unlimited size
SGCC-1181	3/16	inch tempered transparent glass	Unlimited size
SGCC-1182	1/4	inch tempered transparent glass	Unlimited size
Glass Tempering Service, Inc.; Detroit, Michigan			
SGCC-1237	3/16	inch tempered transparent glass	Unlimited size
SGCC-1238	1/4	inch tempered transparent glass	Unlimited size
SGCC-1239	7/32	inch tempered pattern glass (s)	34" by 72"
Hamilton Glass Products, Inc.; Vincennes, Indiana			
SGCC- 54	1/8	inch tempered transparent glass	Unlimited size
SGCC-1200	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"
Howe-Martz Glass Company; Detroit, Michigan			
SGCC-1268	1/4	inch tempered transparent glass	Unlimited size
SGCC-1269	3/8	inch tempered transparent glass	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey			
SGCC-1276	1/8	inch tempered transparent glass	Unlimited size
SGCC-1271	3/16	inch tempered transparent glass	Unlimited size
SGCC-1272	1/4	inch tempered transparent glass	Unlimited size
SGCC-1273	3/8	inch tempered transparent glass	Unlimited size
SGCC-1274	1/2	inch tempered transparent glass	Unlimited size
LOF Glass; Clinton, North Carolina			
SGCC-1080	3/16	inch tempered transparent glass	Unlimited size
SGCC-1081	1/4	inch tempered transparent glass	Unlimited size
SGCC-1082	5/16	inch tempered transparent glass	Unlimited size
SGCC-1083	3/8	inch tempered transparent glass	Unlimited size
SGCC-1084	1/2	inch tempered transparent glass	Unlimited size
SGCC-1085	5/8	inch tempered transparent glass	Unlimited size
SGCC-1086	3/4	inch tempered transparent glass	Unlimited size
LOF Glass; Laurinburg, North Carolina			
SGCC- 844	1/8	inch tempered transparent glass	Unlimited size
SGCC- 845	5/32	inch tempered transparent glass	Unlimited size
SGCC- 846	3/16	inch tempered transparent glass	Unlimited size
SGCC- 847	1/4	inch tempered transparent glass	Unlimited size
SGCC- 848	5/16	inch tempered transparent glass	Unlimited size
SGCC- 849	3/8	inch tempered transparent glass	Unlimited size
SGCC- 850	1/2	inch tempered transparent glass	Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED SIZE

LOF Glass; Rossford, Ohio

SGCC- 854	3/16	inch tempered transparent glass	Unlimited size
SGCC- 855	1/4	inch tempered transparent glass	Unlimited size
SGCC- 856	5/16	inch tempered transparent glass	Unlimited size
SGCC- 857	3/8	inch tempered transparent glass	Unlimited size
SGCC- 858	1/2	inch tempered transparent glass	Unlimited size
SGCC- 859	5/8	inch tempered transparent glass	Unlimited size
SGCC- 860	3/4	inch tempered transparent glass	Unlimited size
SGCC- 861	7/8	inch tempered transparent glass	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-1257	3/8	inch tempered transparent glass	Unlimited size
SGCC-1258	1/2	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

Ohio Plate Glass Company; Lewisburg, Ohio

SGCC-1050	1/8	inch tempered transparent glass	Unlimited size
SGCC- 185	3/16	inch tempered transparent glass	Unlimited size
SGCC- 186	1/4	inch tempered transparent glass	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

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

PPG Industries, Inc.; Chicago, Illinois

SGCC-1246	3/16	inch tempered transparent glass	Unlimited size
SGCC-1145	1/4	inch tempered transparent glass	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

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

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

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CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED 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

Pacific Tempering Company, Inc.; Long Beach, California

SGCC-1244 3/16 inch tempered transparent glass
SGCC- 974 1/4 inch tempered transparent glass
SGCC- 975 3/8 inch tempered transparent glass
SGCC-1055 1/2 inch tempered transparent glass
SGCC-1240 7/32 inch tempered pattern glass (s)

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

Rotuba Extruders, Inc.; Linden, New Jersey

SGCC- 316 0.080 inch and greater thicknesses smooth extruded acrylic

Unlimited size

Shaw Glass Company, Inc.; Stoughton, Massachusetts

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

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

Sheffield Plastics, Inc.; Sheffield, Massachusetts

SGCC- 173 0.080 inch through 0.125 inch smooth extruded acrylic

Unlimited size

Southern Wholesale Glass, Inc.; Marietta, Georgia

SGCC-1230 3/16 inch tempered transparent glass
SGCC-1231 1/4 inch tempered transparent glass

Unlimited size
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
SGCC- 832 1/4 inch tempered transparent glass
SGCC- 833 3/8 inch tempered transparent glass
SGCC- 834 1/2 inch tempered transparent glass
SGCC-1210 7/32 inch tempered pattern glass (s)

Unlimited size
Unlimited size
Unlimited size
Unlimited size
Unlimited size

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED 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-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-1259	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-1213	3/16	inch tempered pattern glass (d)	Unlimited size
SGCC- 988	7/32	inch tempered pattern glass (s)	Unlimited size

Tempglass Southern, Inc.; Grand Prairie, Texas

SGCC-1219	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-1068	7/32	inch tempered pattern glass (s)	Unlimited size

Tempglass Western, Inc.; Fremont, California

SGCC-1234	1/8	inch tempered transparent glass	Unlimited size
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

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

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-1207	3/16	inch tempered transparent glass	Unlimited size
SGCC- 868	1/4	inch tempered transparent glass	Unlimited size

Continued next page.

CERTIFIED PRODUCTS — ALPHABETICAL BY PLANT

MAXIMUM
CERTIFIED SIZE

SGCC- 869	3/8	inch tempered transparent glass	Unlimited size
SGCC- 870	1/2	inch tempered transparent glass	Unlimited 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; Union City, California			
SGCC- 879	3/16	inch tempered transparent glass	Unlimited size
SGCC-1205	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
Vidrierias De Llodio, S. A.; Alava, Spain			
SGCC-1211	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-1236	5/32	inch tempered transparent glass	Unlimited size
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-1275	3/16	inch tempered pattern glass (s)	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.; Greenland, Tennessee	SGCC- 598	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC- 583	24" by 48"
Cal-Temp; Santa Fe Springs, California	SGCC-1223	Unlimited size
Chamberlain-Featherlite, Inc.; Malvern, Arkansas	SGCC- 586	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 805	Unlimited size
Enhanced Glass Corporation; Waco, Texas	SGCC-1227	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"
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1276	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 844	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
Tempglass Western, Inc.; Fremont, California	SGCC-1234	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC-1211	Unlimited size

5/32 inch tempered transparent glass

AFG Industries, Inc.; Greenland, Tennessee	SGCC- 955	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 949	Unlimited size
Asahi Glass Company, Ltd.; Tokyo, Japan	SGCC-1193	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC-1176	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC-1003	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC-1214	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 728	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1130	Unlimited size
General Glass Corporation; Denver, Colorado	SGCC-1180	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 845	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC- 702	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-1259	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC-1236	Unlimited size

3/16 inch tempered transparent glass

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	24" by 48"
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-1215	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 806	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 812	Unlimited size
Enhanced Glass Corporation; Waco, Texas	SGCC-1228	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC-1208	Unlimited size

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

3/16 inch tempered transparent glass-continued

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
Gemtron Corporation; Sweetwater, Tennessee	SGCC-1202	Unlimited size
General Glass Corporation; Denver, Colorado	SGCC-1181	Unlimited size
Glass Tempering Service, Inc.; Detroit, Michigan	SGCC-1237	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC-1200	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1271	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1080	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 846	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 854	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-1246	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-1244	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1034	Unlimited size
Southern Wholesale Glass, Inc.; Marietta, Georgia	SGCC-1230	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC-1148	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 592	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 981	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1219	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 723	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC-1192	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 862	Unlimited size
Tuf-flex Glass; Elmhurst, Illinois	SGCC-1207	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC-1010	Unlimited size
Tuf-flex Glass; Union City, California	SGCC- 879	Unlimited size
Vidrierias De Llodio, S. A.; Alava, Spain	SGCC- 912	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 12	Unlimited size

7/32 inch tempered transparent glass

Vidrierias De Llodio, S. A.; Alava, Spain	SGCC- 913	Unlimited size
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1/4 inch tempered transparent glass

AFG Industries, Inc.; Greenland, Tennessee	SGCC- 89	Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee	SGCC- 24	Unlimited size
Artistic Glass Products Company; Trumbauersville, Pennsylvania	SGCC- 585	24" by 48"
Bennett's; Salt Lake City, Utah	SGCC- 990	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC- 638	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1165	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 807	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 813	Unlimited size
Enhanced Glass Corporation; Waco, Texas	SGCC-1229	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 709	Unlimited size
Ford Motor Company; Dearborn, Michigan	SGCC- 730	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1132	Unlimited size
Gateway Industries; Rogers, Arkansas	SGCC-1263	Unlimited size

CPSC

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CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

1/4 inch tempered transparent glass-continued

General Glass Corporation; Denver, Colorado	SGCC-1182	Unlimited size
Glass Tempering Service, Inc.; Detroit, Michigan	SGCC-1238	Unlimited size
Hamilton Glass Products, Inc.; Vincennes, Indiana	SGCC- 57	Unlimited size
Howe-Martz Glass Company; Detroit, Michigan	SGCC-1268	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1272	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1081	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 847	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 855	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.; 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
Southern Wholesale Glass, Inc.; Marietta, Georgia	SGCC-1231	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
Texas Tempered Glass Company; Houston, Texas	SGCC- 137	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; Union City, California	SGCC-1205	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

3/8 inch tempered transparent glass

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-1212	Unlimited size
Howe-Martz Glass Company; Detroit, Michigan	SGCC-1269	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1273	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
Northwestern Industries, Inc.; Seattle, Washington	SGCC-1257	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

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

3/8 inch tempered transparent glass-continued

Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1045	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 725	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; Union City, California	SGCC- 881	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 93	Unlimited size

1/2 inch tempered transparent glass

Bennett's; Salt Lake City, Utah	SGCC- 992	Unlimited size
Cal-Temp; Santa Fe Springs, California	SGCC- 640	Unlimited size
Colonial Mirror and Glass Corporation; Brooklyn, New York	SGCC-1167	Unlimited size
Downey Glass Company, Inc.; Los Angeles, California	SGCC- 815	Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York	SGCC- 711	Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia	SGCC-1134	Unlimited size
J. E. Berkowitz, Inc.; Westville, New Jersey	SGCC-1274	Unlimited size
LOF Glass; Clinton, North Carolina	SGCC-1084	Unlimited size
LOF Glass; Laurinburg, North Carolina	SGCC- 850	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 858	Unlimited size
Northwestern Industries, Inc.; Seattle, Washington	SGCC-1258	Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California	SGCC-1055	Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts	SGCC-1037	Unlimited size
Tempered Glass Corporation; Tampa, Florida	SGCC- 834	Unlimited size
Tempglass, Inc.; Perrysburg, Ohio	SGCC- 595	Unlimited size
Tempglass, Ltd.; Weston, Ontario, Canada	SGCC-1090	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC-1059	Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas	SGCC-1046	Unlimited size
Tempglass Western, Inc.; Fremont, California	SGCC- 726	Unlimited size
Texas Tempered Glass Company; Houston, Texas	SGCC- 669	Unlimited size
Tuf-flex Glass; Atlanta, Georgia	SGCC- 866	Unlimited size
Tuf-flex Glass; Elmhurst, Illinois	SGCC- 870	Unlimited size
Tuf-flex Glass; Irving, Texas	SGCC- 874	Unlimited size
Tuf-flex Glass; Union City, California	SGCC- 882	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 94	Unlimited size

5/8 inch tempered transparent glass

LOF Glass; Clinton, North Carolina	SGCC-1085	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 859	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-1086	Unlimited size
LOF Glass; Rossford, Ohio	SGCC- 860	Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia	SGCC- 95	Unlimited size

7/8 inch tempered transparent glass

LOF Glass; Rossford, Ohio	SGCC- 861	Unlimited size
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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
Cal-Temp; Santa Fe Springs, California	SGCC-1226	Unlimited size
Downey Glass Company, Inc.; Downey, California	SGCC- 808	Unlimited size
Enhanced Glass Corporation; Waco, Texas	SGCC-1242	Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia	SGCC- 987	Unlimited size

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14 SGCC; January 1, 1983

CERTIFIED PRODUCTS — BY PRODUCT TYPE

MAXIMUM
CERTIFIED SIZE

1/8 inch tempered pattern glass (medium patterns)
Downey Glass Company, Inc.; Downey, California SGCC- 809 Unlimited size

5/32 inch tempered pattern glass (shallow patterns)
Asahi Glass Company, Ltd.; Tokyo, Japan SGCC-1194 Unlimited size
Gateway Industries; Rogers, Arkansas SGCC-1264 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 SGCC-1139 Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee SGCC-1143 Unlimited size
Downey Glass Company, Inc.; Downey, California SGCC- 810 Unlimited size
Downey Glass Company, Inc.; Los Angeles, California SGCC-1114 Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia SGCC-1275 Unlimited size

3/16 inch tempered pattern glass (deep patterns)
Gateway Industries; Rogers, Arkansas SGCC- 960 Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia SGCC-1213 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 SGCC- 588 Unlimited size
AFG Industries, Inc.; Kingsport, Tennessee SGCC- 31 Unlimited size
Bennett's; Salt Lake City, Utah SGCC- 993 Unlimited size
Cal-Temp; Santa Fe Springs, California SGCC- 641 Unlimited size
Downey Glass Company, Inc.; Downey, California SGCC- 811 Unlimited size
Downey Glass Company, Inc.; Los Angeles, California SGCC- 817 Unlimited size
Enhanced Glass Corporation; Waco, Texas SGCC-1243 Unlimited size
Falconer Glass Industries, Inc.; Falconer, New York SGCC-1218 Unlimited size
Fulton Glass Industries, Inc.; Red Oak, Georgia SGCC-1135 Unlimited size
Glass Tempering Service, Inc.; Detroit, Michigan SGCC-1239 34" by 72"
Northwestern Industries, Inc.; Seattle, Washington SGCC- 707 Unlimited size
Pacific Tempering Company, Inc.; Long Beach, California SGCC-1240 Unlimited size
Shaw Glass Company, Inc.; Stoughton, Massachusetts SGCC-1071 Unlimited size
Tempered Glass Corporation; Tampa, Florida SGCC-1210 Unlimited size
Tempglass, Inc.; Perrysburg, Ohio SGCC- 597 Unlimited size
Tempglass Eastern, Inc.; Norcross, Georgia SGCC- 988 Unlimited size
Tempglass Southern, Inc.; Grand Prairie, Texas SGCC-1068 Unlimited size
Tuf-flex Glass; Irving, Texas SGCC- 898 Unlimited size
Tuf-flex Glass; Union City, California SGCC-1149 Unlimited size
Virginia Glass Products Corporation; Martinsville, Virginia SGCC- 92 Unlimited size

LAMINATED GLASS

7/32 inch laminated transparent glass
Texas Tempered Glass Company; Houston, Texas SGCC-1159 Unlimited size

SAFETY PLASTIC SHEET

0.080 inch and greater thicknesses acrylic
Rotuba Extruders, Inc.; Linden, New Jersey SGCC- 316 Unlimited size

0.080 through 0.125 inch acrylic
Flex-O-Glass, Inc.; Dixon, Illinois SGCC- 118 Unlimited size
Sheffield Plastics, Inc.; Sheffield, Massachusetts SGCC- 173 Unlimited size

CPSC

January 1, 1983; SGCC 15

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


TEMPERED
16 CFR 1201.CII
ANSI Z97.1 1975
1/4U SGCC-24
AFG 001

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

CAL TEMP
ANSI-Z 97.1—1975
16 CFR 1201 CAT. II
1/4 U—SGCC-638
SFS-1


ARTISTIC GLASS PRODUCTS COMPANY
P.O. Box C
Trumbauersville, Pennsylvania 18970

 I-81L
ANSI-Z97.1-1975
16 CFR 1201 I & II
SGCC 583
A19 78

CHAMBERLAIN-FEATHERLITE
1215 Industrial Lane
Malvern, Arkansas 72104

SAFETY PANE
TEMPERED SAFETY GLASS
ANSI Z97.1-1975 SGCC 586 1/8U
16 CFR 1201 I & II

ASAHI GLASS COMPANY, LTD.
1-2 Marunouchi, 2-Chrome
Chiyoda-Ku, Tokyo 100

 **TEMPERLITE**
ASAHI GLASS
TEMPERED TRANSPARENT GLASS
ANSI Z97.1-1975
16 CFR 1201.111
SGCC 1193 5/32U

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

COLONIAL MIRROR & GLASS CORP.
SAFETY TEMPERED GLASS
GLAS STEEL 1/2" U
ANSI-Z-97-1-1975
16 CFR 1201-I, II, -SGCC-1167

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

BENNETT'S
ANSI Z97.1-1975
16 CFR 1201 I, II
SGCC-990 1/4 U

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

 **ful-temp**
SGCC-603 .125U
ANSI-Z97.1 1975
16 CFR 1201 II
SGCC - 805

EXAMPLE OF LICENSEE'S TYPICAL LABEL

ENHANCED GLASS CORPORATION
2901 Marlin, Highway 6
Waco, Texas 76705


EBC-TEMEX
TEMPERED SAFETY GLASS
16 CFR 1201-I,II SGCC 1227
ANSI Z97.1-1975 1/8U

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




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

 **FALCONER GLASS IND., INC.**
DURASAFE 1/4" U
TEMPERED SAFETY GLASS
ANSI Z97.1 1975
16 CFR 1201 C11 SGCC 709

GATEWAY INDUSTRIES
1414 South First Street
Rogers, Arkansas 72756

GW
TEMPERED
16 CFR 1201 II
SGCC-950 1/2BL RI
DOT 272 AS2 M


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


FLEX-O-GLAZE™
ACRYLIC SAFETY GLAZING
16 CFR 1201 C II
.100U
ANSI Z97.1-75 SGCC-119


GEMTRON CORPORATION
New Highway 68; P.O. Box 416
Sweetwater, Tennessee 37874

+
TEMPERED
16CFR 1201 C11
ANSI Z97.1 1975
3/16 U - SGCC - 1201/1202
GEMTRON 013 1981

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


FORD TEMPERED
SAFETY GLASS
ANSI Z97.1-1975
SGCC-342/129
16CFR 1201 II
86
3/16 U

GENERAL GLASS CORPORATION
P.O. Box 38711
Denver, Colorado 80238

 **GENERAL GLASS CORP.**
FLATTEMP™
DENVER
3/16"U SGCC-1181
ANSI Z97.1-1975 16CFR1201-I II

GLASS TEMPERING SERVICE, INC.

14285 Wyoming Street
Detroit, Michigan 48238

Tentative Label

GLASS TEMPERING

Tempered Safety Glass
ANSI Z97.1-1975
16 CFR 1201 I & II
SGCC-1238 1/4 U

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

HEHR INTERNATIONAL, INC.

1103 West Pearl Street
Chesaning, Michigan 48616



SOLID TEMPERED
.125-L
ANSI-Z97.1-1975
16CFR1201-II
SGCC-1062

HOWE-MARTZ GLASS COMPANY

14291 Meyers Road
Detroit, Michigan 48227

FLO H TUF

TEMPERED SAFETY GLASS
16 CFR 1201 CII
ANSI Z97.1-1975 1/4U
SGCC 1268

J. E. BERKOWITZ, INC.

Delsea Drive and Harvard Avenue
Westville, New Jersey 08093

Tentative Label

TEMPERFECT

J E BERKOWITZ, INC.
ANSI Z97.1-1975
16 CFR 1201 I & II
SGCC-1271 3/16U

LOF GLASS

LIBBEY-OWENS-FORD COMPANY

811 Madison Avenue
P.O. Box 799
Toledo, Ohio 43695



NORTHWESTERN INDUSTRIES, INC.

2501 West Commodore Way
Seattle, Washington 98199

TEMPERED SAFETY GLASS



SGCC- 701 1/8 -II
ANSIZ97.1-1975
16CFR1201CII
CGSB-12-GP-I

OHIO PLATE GLASS COMPANY

P.O. Box 671
Lewisburg, Ohio 45338

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



EXAMPLE OF LICENSEE'S TYPICAL LABEL

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

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

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

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-3:6 .080U

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

SHEFFIELD PLASTICS, INC.
Salisbury Road
Sheffield, Massachusetts 01257

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

SOUTHERN WHOLESALE GLASS, INC.
3200 Austell Road
Marietta, Georgia 30060



SOUTHERN TEMP.
ANSI Z97.1-1975
16 CFR 1201-CII
SGCC 1230 3/16" U

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

ETI TEMPERED GLASS
MTC 16 CFR 1201 C II
PH ANSI Z97.1-1975
SGCC 986-1/4" U

EXAMPLE OF LICENSEE'S TYPICAL LABEL

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 1046 1/2" U
16 CFR 1201 - 11

TEMPGLASS, INC.
Ampoint
291 M Street
Perrysburg, Ohio 43551

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

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

**TEMPGLASS
WESTERN**
ANSI Z97.1 - 1975
16 CFR 1201 - II
SGCC 724 1/4" - U

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



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

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

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

TUF-FLEX GLASS
LIBBEY-OWENS-FORD COMPANY
P.O. Box 799
Toledo, Ohio 43695

• Tuf-flex Glass FT 1/4" U F •
• TEMPERED SAFETY GLASS •
• ANSI Z97.1-1975 16 CFR 1201-1&11 •
• SGCC-229 SGCC-868 •

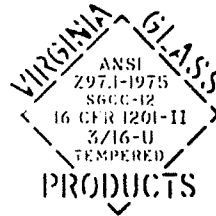
EXAMPLE OF LICENSEE'S TYPICAL LABEL

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



1.8" U SGCC-1211
tempered glass
16 CFR 1201 II
LLODIO - SPAIN

VIRGINIA GLASS PRODUCTS CORPORATION
P.O. Box 5431
Martinsville, Virginia 24115



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

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:

\$565 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.

\$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 CPSC program.

\$695 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.

\$95 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:

Mr. Leigh T. Yates, SGCC President
c/o Falconer Glass Industries, Inc.
500 South Work Street
Falconer, New York 14733

Telephone 716-665-6422

Mr. Robert A. Moss, Chairman
SGCC Certification Committee
c/o Hamilton Glass Products, Inc.
2000 Chestnut Street
P.O. Box 317
Vincennes, Indiana 47591

Telephone 812-882-2680

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 certified mail.

b) The SGCC administrator will immediately supply the licensee with test release bond forms for submission by the licensee. A separate bond shall be submitted for each certified product affected.

c) Within 2 weeks after receipt of the bond forms, the licensee shall submit them to the SGCC administrator.

d) During the period covered by the bond the licensee shall retain certification, contingent upon payment of normal certification fees and

meeting all other licensee obligations. Bonds will terminate 90 days after acceptance by SGCC but may be renewed by the licensee any number of times. Renewal is an obligation of the licensee and requires all steps listed herein.

e) Within one week after re-activation of the production facility the licensee shall 1) notify the SGCC administrator by certified mail and 2) submit samples from the first weeks production to an SGCC approved laboratory for testing. In cases where more than one certified product is produced with the same equipment, samples of each must be furnished for testing within the first month. These will be considered as the routine samples for retesting for the six months period during which they are submitted.

f) Failure 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:

<i>Pattern depth class</i>	<i>Ratio</i>
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.

TP.5

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

TP.6

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

LAMINATED GLASS

L.1

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

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

L.9

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

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.

CPSG

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

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

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

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

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

PLASTICS—EXTERIOR USE

PE.1
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 $2,000 \pm 1$ 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(d)(2)(ii)(A) or (B), as appropriate. The specimens shall be exposed to $375,000 \pm 10,000$ langley (375 \pm 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 $375,000 \pm 10,000$ langley (375 \pm 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

* * * * *

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

Consumer Products Safety Commission
5401 Westbard Avenue
Bethesda, Maryland 20016

ADDITIONS:

Enhanced Glass Corporation; Waco, Texas

SGCC-1242	1/8	inch tempered pattern glass (s)	Unlimited size
SGCC-1243	7/32	inch tempered pattern glass (s)	Unlimited size

Gateway Industries; Rogers, Arkansas

SGCC-1263	1/4	inch tempered transparent glass	Unlimited size
SGCC-1264	5/32	inch tempered pattern glass (s)	Unlimited size

Howe-Martz Glass Company; Detroit, Michigan

SGCC-1268	1/4	inch tempered transparent glass	Unlimited size
SGCC-1269	3/8	inch tempered transparent glass	Unlimited size

J. E. Berkowitz, Inc.; Westville, New Jersey

SGCC-1276	1/8	inch tempered transparent glass	Unlimited size
SGCC-1271	3/16	inch tempered transparent glass	Unlimited size
SGCC-1272	1/4	inch tempered transparent glass	Unlimited size
SGCC-1273	3/8	inch tempered transparent glass	Unlimited size
SGCC-1274	1/2	inch tempered transparent glass	Unlimited size

Northwestern Industries, Inc.; Seattle, Washington

SGCC-1257	3/8	inch tempered transparent glass	Unlimited size
SGCC-1258	1/2	inch tempered transparent glass	Unlimited size

Tempglass Eastern, Inc.; Norcross, Georgia

SGCC-1259	5/32	inch tempered transparent glass	Unlimited size
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Virginia Glass Products Corporation; Martinsville, Virginia

SGCC-1275	3/16	inch tempered pattern glass (s)	Unlimited size
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DELETIONS:

Hehr International, Inc.; Chesaning, Michigan

SGCC-1222	5/32	inch tempered pattern glass (s)	32" by 60"
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Lear Siegler, Inc.; Wichita, Kansas

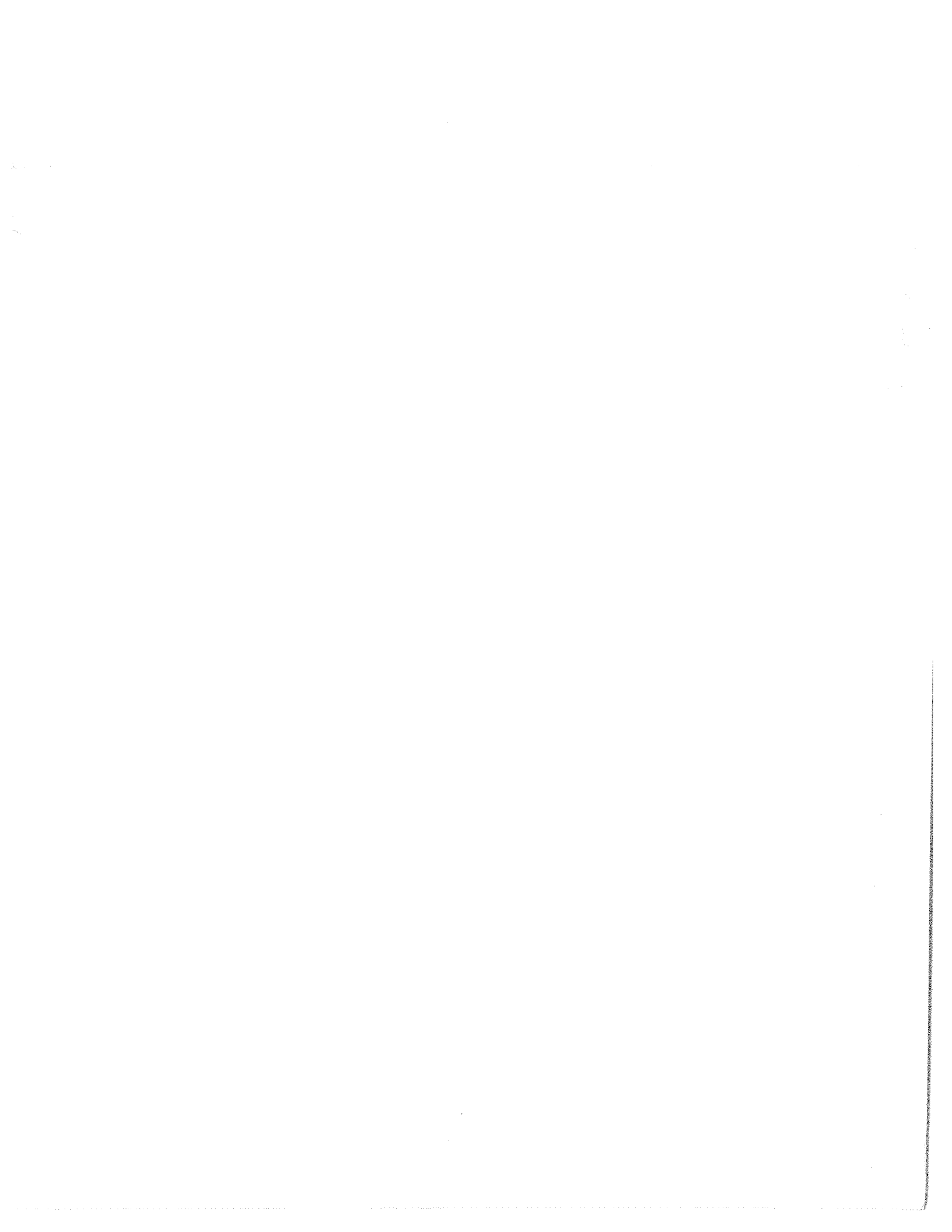
SGCC-1174	7/32	inch laminated transparent glass (0.030)	Unlimited size
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Tempglass, Ltd.; Weston, Ontario, Canada

SGCC-1094	3/16	inch tempered transparent glass	Unlimited size
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Tempglass Eastern, Inc.; Norcross, Georgia

SGCC-1115	5/32	inch tempered transparent glass	Unlimited size
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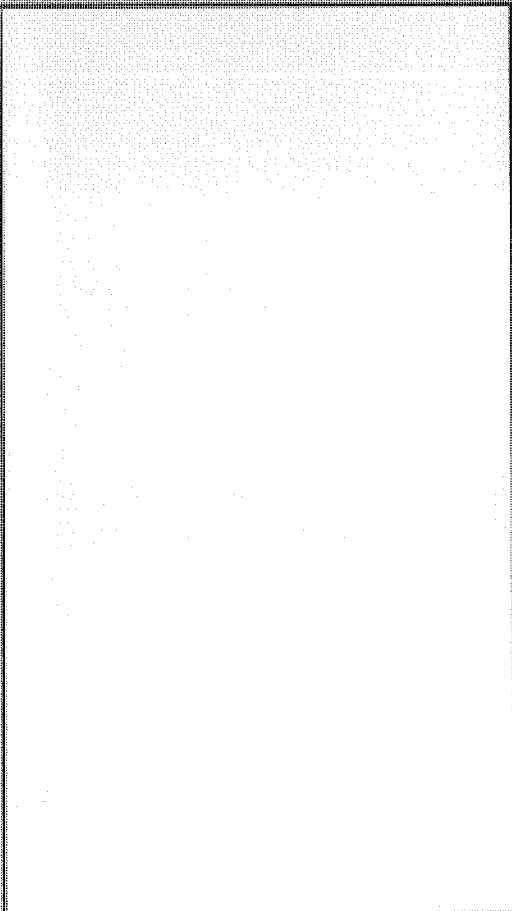
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hiialeah, florida 33012

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