



## SECTION 08 8000 GLAZING

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Glazing units.

#### 1.02 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; current edition.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test; 2015.
- C. ASTM C1036 - Standard Specification for Flat Glass; 2016.
- D. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012.
- E. ASTM C1376 - Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass; 2015.

#### 1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Basis of Design Glass Fabricator:
  - 1. GGI - General Glass International; 101 Venture Way, Secaucus, New Jersey; 800.431.2042, [sales@generalglass.com](mailto:sales@generalglass.com), [www.generalglass.com](http://www.generalglass.com)
- B. Patterned Glass Manufacturer:
  - 1. GGI - General Glass International; 101 Venture Way, Secaucus, New Jersey; 800.431.2042, [sales@generalglass.com](mailto:sales@generalglass.com), [www.generalglass.com](http://www.generalglass.com)

#### 2.02 GLASS MATERIALS

- A. Float Glass: Provide float glass based glazing unless noted otherwise.
  - 1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality-Q3.
  - 2. Heat-Strengthened and Fully Tempered Types: ASTM C1048, Kind HS and FT.
  - 3. Fully Tempered Safety Glass: Complies with ANSI Z97.1 and 16 CFR 1201 criteria.



4. Patterned Glass Type: ASTM C1036, Type II - Patterned Flat Glass, Quality-Q5, Form 3 - Patterned glass, color and performance characteristics as indicated.

## 2.03 GLAZING UNITS

- A. Type G-11 - Patterned Glazing: Rolled or textured glass; translucent, showing shadows but not form.
  1. Applications: Locations as indicated on drawings.
  2. Finish: F1 - Patterned one side; ASTM C1036.
  3. Pattern: P1 - Linear; ASTM C1036.
  4. Glass Patterns: Cast, Bubbles, Reeded, Flemish, Master Carre, Master Ray, Master Ligne, Master Shine, Monumental, Rain, Antique, Stipolite, Thin Ribbed.
  5. Style: As indicated on drawings.
  6. Tint: Clear.
  7. Glass Type: Fully tempered; annealed.
  8. Thickness: 1/4 inch, 3/8 inch, 1/2 inch, nominal.
  9. Manufacturers:
    - a. GGI - General Glass International; Patterned Glass:  
[www.generalglass.com/#sle](http://www.generalglass.com/#sle).

## PART 3 EXECUTION

### 3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
- B. Verify that the minimum required face and edge clearances are being provided.
- C. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.
- D. Verify that sealing between joints of glass framing members has been completed effectively.
- E. Proceed with glazing system installation only after unsatisfactory conditions have been corrected.

### 3.02 PREPARATION

- A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.



- A. C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

### **3.03 INSTALLATION, GENERAL**

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.
- B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.
- C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.
- F. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, etc.

### **3.04 FIELD QUALITY CONTROL**

- A. See Section 01 4000 - Quality Requirements, for additional requirements.
- B. Monitor and report installation procedures and unacceptable conditions.

### **3.05 CLEANING**

- A. See Section 01 7419 - Construction Waste Management and Disposal, for additional requirements.
- B. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.
- C. Remove non-permanent labels immediately after glazing installation is complete.
- D. Clean glass and adjacent surfaces after sealants are fully cured.
- E. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

### **3.06 PROTECTION**

- A. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

### **END OF SECTION**