

SECTION 08800

GLAZING

PART 1 - GENERAL

1.1 DESCRIPTION

A. Scope

1. Furnish and install glazing as indicated on the Drawings and required by manufacturers of door and window products

B. Additional Requirements Specified Elsewhere

1. Section 01340: Shop Drawings, Product Data and Samples
2. Section 01400: Quality Control
3. Section 01600: Materials and Equipment

C. Related Requirements Specified Elsewhere

1. Section 08100: Metal Doors and Frames
2. Section 08510: Steel Windows
3. Section 08630: Fiberglass Reinforced Plastic Windows

1.2 QUALITY ASSURANCE

A. Reference Standards

1. Comply with published standards of Flat Glass Marketing Association and all applicable manufacturer's recommendations

1.3 SUBMITTALS

A. Samples in Accordance with Section 01340

1. Submit detail of all windows including stops, glazing and glass; fully dimensioned

1.4 DELIVERY, STORAGE AND HANDLING

A. Delivery

1. Schedule delivery to coincide with glazing schedules so minimum handling of crates is required
2. Do not open crates except as required for inspection for shipping damage

B. Storage

1. Store cases according to printed instructions on case, in areas least subject to traffic or falling objects
2. Keep storage area clean and dry

C. Handling

1. Unpack cases following printed instructions on case
2. Stack individual windows on edge leaned slightly against upright supports with separators between each

1.5 JOB CONDITIONS

A. Protection

1. Glass shall be completely covered during spray painting, plastering or other construction operations that might cause damage to glass
2. Complete clean-down of masonry prior to installation

B. Breakage

1. Contractor responsible for all glass broken during shipment, storage and installation until project acceptance by Owner

PART 2 - PRODUCTS

2.1 MATERIALS

A. Design Basis - Glass

1. ASG Industries, Inc.
2. Libby-Owens-Ford Company
3. PPG Industries, Inc.
4. Equivalent products of other manufacturers may be accepted subject to compliance with design, function, materials and performance of the specified items

B. Labels

1. Every individual piece of glass shall bear a label designating type, thickness and quality
2. Do not remove label until inspected by Engineer

2.2 GLASS TYPES

A. Provide low-E glass for all doors and windows where indicated on the Drawings

1. Provide glass products conforming to the requirements of the applicable local building and energy codes

- B. ¼" nominal thickness clear wire glass

2.3 GLAZING MATERIALS

- A. Setting Blocks, Shims and Glazing Clips

- 1. Size and type as recommended by glass and door or window manufacturer

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine door and window products requiring glazing upon receipt at project site

- 1. Remove any damaged, out-of-square, or otherwise nonconforming door or window products not suitable to accept glazing as delivered
 - 2. Carefully and completely protect door and window products accepted at the site
 - a. Carefully secure or store glazing bead, stops and other components of door or window assembly prior to installation of glass

- B. Before glazing, frame plumb and square with metal stops set for proper glass-to-stop face clearance

3.2 INSTALLATION

- A. Stops

- 1. All glass is to be held in place with stops as detailed and required by door and window products accepted for installation
 - 2. Stops shall be handled carefully and properly installed without damage to same

- B. Waterproofing

- 1. Furnish and install all glazing compounds, weatherstripping, sealants and other products and accessories to provide for watertight glass installation
 - 2. Store, install and finish in accordance with product manufacturer's requirements or these specification

- C. Allowable Tolerances

- 1. Maintain glazing tolerances between glass and frame or stops as recommended by the Flat Glass Marketing Association
 - 2. For ¼" thickness glass, maintain 1/8" clearance between glass face and metal stops

3.3 CLEANING

- A. Leave all glass in a job clean condition with all glazing compound, putty and sealants carefully removed from glass and adjoining surfaces

END OF SECTION