

## SECTION 088000

### GLAZING

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Glass and glazing for Sections referencing this Section for Products and installation.

##### 1.2 SYSTEM DESCRIPTION

- A. Glass and glazing materials of this Section shall provide continuity of building enclosure vapor and air barrier.
- B. Size glass to withstand dead loads and positive and negative live loads acting normal to plane of glass.

##### 1.3 SUBMITTALS

- A. Product Data on Glass Types Specified: Provide physical and environmental characteristics, size limitations, and special installation requirements.
- B. Product Data on Glazing Compounds: Provide chemical characteristics, limitations, special application requirements. Identify available colors.

##### 1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with FGMA Glazing Manual, FGMA Sealant Manual for glazing installation methods.

##### 1.5 WARRANTY

- A. Provide five(5) year warranty under provisions of Section 010001 including coverage for sealed glass units from seal failure, interpane dusting or misting, and replacement of same.

#### PART 2 PRODUCTS

##### 2.1 FLAT GLASS MATERIALS

- A. Manufacturers:
  - 1. Libby-Owens Ford Co.
  - 2. PPG Industries, Inc.
  - 3. Guardian Industries, Inc.
- B. Float Glass: Clear, 1/4 inch thick.

- C. Safety Glass: Clear; fully tempered; conforming to ANSI Z97.1; 1/4 inch thick minimum.
- D. Fire Rated Glass: Clear, Fire Rated, Safety Rated Glass Ceramic Equal to Fire Lite Plus  
Manufactured By: Technical Glass Products. 5/16 inch thick.
- E. Mirror Glass: Clear float type with copper and silver coating, organic overcoating, beveled edges, 1/4 inch thick minimum. See Bathroom Details for mirror sizes.

## 2.2 SEALED INSULATING GLASS MATERIALS

- A. Manufacturers:
  - 1. Libby-Owens Ford Co.
  - 2. PPG Industries, Inc.
  - 3. Guardian Industries, Inc.
- B. Insulated Glass Units: Double pane with silicone sealant edge seal; outer pane of heat strengthened or tempered glass, inner pane of heat strengthened or tempered glass; total unit thickness of 5/8 to 1 inch.

## PART 3 EXECUTION

### 3.1 EXAMINATION AND PREPARATION

- A. Verify that openings for glazing are correctly sized, within tolerance, and glazing channels or recesses are clean, free of obstructions, and ready to receive glazing.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.

### 3.2 EXTERIOR - DRY METHOD (PREFORMED GLAZING)

- A. Cut glazing tape to length; install on glazing pane. Seal corners with butyl sealant.
- B. Place setting blocks at 1/4 points.
- C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure to attain full contact.
- D. Install removable stops without displacing glazing spline. Exert pressure for full continuous contact.
- E. Trim protruding tape edge.

### 3.3 INTERIOR

- A. Cut glazing tape to length and install against permanent stops, projecting 1/16 inch above sight line.
- B. Place setting blocks at 1/4 points with edge block no more than 6 inches from corners.
- C. Rest glazing on setting blocks and push against tape to ensure full contact at perimeter of pane or unit.

- D. Install removable stops, spacer shims inserted between glazing and applied stops at 24 inch intervals, 1/4 inch below sight line.
- E. Fill gaps between pane and applied stop with sealant to depth equal to bite on glazing, to uniform and level line.
- F. Trim protruding tape edge.

#### 3.4 INSTALLATION – MIRRORS

- A. Set mirrors with clips. Anchor rigidly to wall construction.
- B. Place plumb and level.

#### 3.5 INSTALLATION – FIRE RATED GLASS

- A. Install Fire Rated Safety Glass in accordance with the Manufacturer's Requirements.
- B. Place plumb and level.

#### 3.6 CLEANING

- A. Remove glazing materials from finish surfaces.
- B. Remove labels after Work is complete.
- C. Clean glass and mirrors.

#### 3.7 SCHEDULE - See Door Schedule and Interior Elevations.

END OF SECTION