

SECTION 08800 – GLAZING

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

The General Provisions of the contract, including the General Provisions for Construction Projects (2016), Special Provisions, and General Requirements of the Specifications, apply to the work specified in this Section.

1.02 WORK INCLUDED

A. Glass and glazing for windows.

B. Glass for mirrors.

1.03 RELATED WORK

A. Section 07900 – SEALANTS: Sealant and back-up materials.

1.04 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

A. ASTM C 1036 - Flat Glass

B. ASTM C 1048 - Heat Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass

C. ASTM C 920 - Elastomeric Joint Sealants

D. FGMA - Glazing Manual.

E. CPSC 16 CFR Part 1201 - Safety Standard for Architectural Glazing Materials

F. ANSI Z97.1 - Safety Performance Specifications and Methods of Test for Safety Glazing Materials Used in Buildings

1.05 QUALITY ASSURANCE

A. Conform to Flat Glass Marketing Association (FGMA) Glazing Manual for glazing installation methods.

B. In doors provide safety glazing material conforming to CPSC 16 CFR Part 1201 and the requirements of ANSI Z97.1.

1.06 SUBMITTALS

- A. Submit product data under provisions of Section 01300 – SUBMITTALS.
- B. Provide structural, physical and environmental characteristics, size limitations, special handling or installation requirements.
- C. Provide data on glazing sealant. Identify colors available.
- D. Submit samples under provisions of Section 01300 – SUBMITTALS.
- E. Submit two samples, 4 x 4 inches in size, illustrating glass coloration.

PART 2 – PRODUCTS

2.01 GLASS MATERIALS

- A. Float or Plate Glass: ASTM C 1036, Type I, clear, light reducing, Quality q4 (A), 1/4 inch thick.
- B. Safety Glass: ASTM C 1048, Kind FT fully tempered, Type I, clear, light reducing, 1/4 inch thick.

2.02 GLAZING COMPOUNDS

Provide types required for the applicable setting method specified in the FGMA Glazing Sealing Systems Manual, unless specified otherwise herein. Do not use metal sash putty, non-skinning compounds, non-resilient preformed sealers or impregnated preformed gaskets. Materials which will be exposed to view and unpainted shall be gray or neutral color.

- A. Elastomeric Sealant: ASTM C 920, Type S or M, Grade NS, Class 12.5, Use NT. Sealant shall be chemically compatible with setting blocks, edge blocks, and sealing tapes. Color of sealant shall be as selected.
- B. Sealing Tapes: Preformed, semisolid, polymeric based material of proper size and compressibility for the particular condition. Use only where glazing rabbet is designed for tape and tape is recommended by the glass or sealant manufacturer. Provide spacer shims for use with compressible tapes.
- C. Accessories: As required to provide a complete installation, including glazing points, clips, shims, angles, beads, and spacer strips. Provide noncorroding metal accessories. Provide primer-sealers and cleaners as recommended by the glass and sealant manufacturers.

PART 3 – EXECUTION

3.01 INSPECTION

- A. Verify surfaces of glazing channels or recesses are clean, free of obstructions, and ready for work of this Section.
- B. Beginning of installation means acceptance of substrate.

3.02 PREPARATION

- A. Clean contact surfaces with solvent and wipe dry.
- B. Seal porous glazing channels or recesses.
- C. GLASS SETTING: Items to be glazed shall be either shop or field glazed using glass of the quality and thickness specified or indicated. Preparation and glazing, unless otherwise specified or approved, shall conform to applicable recommendations in the FGMA Glazing Manual and Glazing Sealing Systems Manual. Aluminum doors may be glazed in conformance with one of the glazing methods described in the standards under which they are produced, except that face puttying with no bedding will not be permitted. Handle and install glazing materials in accordance with the manufacturer's instructions. Use beads or stops which are furnished with the items to be glazed to secure the glass in place.

3.03 CLEANING

- A. After installation, mark pane with an "X" by using plastic tape or removable paste.
- B. Remove glazing materials from finish surfaces.
- C. Remove labels after work is completed.

PART 4 – MEASUREMENT AND PAYMENT

4.01 BASIS OF MEASUREMENT AND PAYMENT

- A. Work under this section will not be measured nor paid for separately, but shall be considered incidental to and included in the price bid for the various items of work in this project.

END OF SECTION