

SECTION 08 8300
MIRRORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Decorative mirrors.

1.02 REFERENCE STANDARDS

- A. ASTM C1036 - Standard Specification for Flat Glass; 2016.
- B. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016.
- C. C. ASTM C1503 – Standard Specification for Silvered Flat Glass Mirror, 2008 (Reapproved 2013).
- D. GANA (TIPS) - Mirrors: Handle with Extreme Care (Tips for the Professional on the Care and Handling of Mirrors); 2011.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Decorative Mirrors:
 - 1. GGI - General Glass International; Tinted Mirror: www.generalglass.com/#sle.

2.02 MATERIALS

- A. Mirror Design Criteria: Select materials and/or provide supports as required to limit mirror material deflection to 1/200, or to the flexure limit of glass, with full recovery of glazing materials, whichever is less.
- B. Tinted Mirror Glass; Type: Tinted, annealed float glass; ASTM C1036.
 - 1. Thickness: 1/4 inch (6.4 mm).
 - 2. Color: **Grey; Bronze; Black; Gold.**
 - 3. Edges: **Chamfered arris; flat polished, pencil polished, flat ground; seamed.**
 - 4. Size: ____ inch (____ mm) wide by ____ inch (____ mm) high nominal.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that openings for mirrored glazing are correctly sized and within tolerance.
- B. Verify that surfaces of mirror frames or recesses are clean, free of obstructions, and ready for installation of mirrors.

3.02 PREPARATION

- A. Seal porous mirror frames or recesses with substrate compatible primer or sealer. Prime surfaces scheduled to receive sealant.
- B. Prepare installation in accordance with ASTM C1193 for solvent release sealants, and install sealant in accordance with manufacturer's instructions.

3.03 INSTALLATION

- A. Install mirrors in accordance with GANA (TIPS) and manufacturers recommendations.
- B. Set mirrors plumb and level, and free of optical distortion.
- C. Set mirrors with edge clearance free of surrounding construction including countertops or backsplashes.

3.04 CLEANING

- A. Remove wet glazing materials from finish surfaces.
- B. Remove labels after work is complete.

- C. Clean mirrors and adjacent surfaces.

3.05 PROTECTION

- A. Protect installed mirror from damage during construction
- B. Protect installed mirror from contact with contaminating substances resulting from construction operations.
- C. Remove and replace mirror that is broken, chipped, cracked, abraded, or damaged in other ways during construction period, including natural causes, accidents, and vandalism.

END OF SECTION