

**SECTION 088300
MIRRORS****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Tempered safety glass mirrors.

1.02 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.
- B. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2025.
- C. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2025.
- D. GANA (GM) - GANA Glazing Manual; 2022.
- E. GANA (SM) - GANA Sealant Manual; 2008.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data on Mirror Types: Submit structural, physical and environmental characteristics, size limitations, and special handling and installation requirements.
- C. Certificate: Certify mirrors meet or exceed specified requirements.
- D. Manufacturer's qualification statement.
- E. Executed warranty.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with minimum 3 years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. See Section 017419 - Construction Waste Management and Disposal for packaging waste requirements.
- B. Transport, receive, and store mirrors in accordance with manufacturer's recommendations.

1.06 FIELD CONDITIONS

- A. Do not install mirrors when ambient temperature is less than 50 degrees F (10 degrees C).

1.07 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Mirrors:
 - 1. Binswanger Glass: binswangerglass.com/#sle.
 - 2. Dreamwalls by Gardner Glass Products; Laminated Mirrors: www.dreamwalls.com/#sle.
 - 3. Lenoir Mirror Company: www.lenoirmirror.com/#sle.
 - 4. Trulite Glass & Aluminum Solutions, LLC: www.trulite.com/#sle.
 - 5. Gardner Walker Glass; Walker Glass Mirrors: www.walkerglass.com/#sle.

2.02 MIRROR MATERIALS

- A. Mirror Design Criteria: Select materials and 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. Mirror Glass: Clear, tempered safety glass; ASTM C1048, with copper and silver coatings, and protective overcoating.

1. Thickness: 1/4 inch (6 mm).
2. Edges: Pencil Polished.
3. Size: 96 inches (2438 mm) wide by 72 inches (1828.8 mm) high, nominal mounted 12" above floor.

2.03 ACCESSORIES

- A. Mirror Adhesive: Silicone pre-polymer based, chemically compatible with mirror coating and wall substrate.
 1. Application Temperature: Minus 35 to 140 degrees F (Minus 37 to 60 degrees C) at contact surfaces.
- B. Channel Frame: One piece, channel frame, stainless steel, Type 430, satin finish, 1/2 inch by 1/2 inch by 3/8 inch deep (12 mm by 12 mm by 10 mm deep) with 90-degree mitered corners.

2.04 SOURCE QUALITY CONTROL

- A. See Section 014000 - Quality Requirements for additional requirements.
- B. Fabricate mirrors in accordance with manufacturer's recommendations, GANA (GM), and GANA (SM).

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify openings for mirrored glazing are sized within tolerance of manufacturer's instructions.
- B. Verify surfaces of mirror frames or recesses are clean, free of obstructions, and ready for installation of mirrors.
- C. Notify Architect in writing of conditions detrimental to completion of work. Do not proceed with installation until detrimental conditions are corrected.

3.02 PREPARATION

- A. Clean contact surfaces with solvent and wipe dry.
- B. Seal porous mirror frames or recesses with substrate-compatible primer or sealer. Prime surfaces scheduled to receive sealant.
- C. 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 manufacturer's recommendations, GANA (GM), and GANA (SM).
- 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.
- D. Adhesive Installation of Frameless Mirrors: Set mirrors in place with adhesive, applied in accordance with adhesive manufacturer's instructions.

3.04 CLEANING

- A. See Section 017000 - Execution and Closeout Requirements for additional requirements.
- B. Remove nonpermanent labels after work is complete.

3.05 PROTECTION

- A. Protect installed mirrors from subsequent construction operations.
- B. Remove and replace mirrors damaged during construction period prior to mm-dd-yyyy.

END OF SECTION