

NOTICE: The 3-part guide specification on the following pages is designed to assist architects and specification writers. It is provided as a guideline only. Guardian Consolidated does not assume any responsibility for the suitability or applicability of this guide specification to any specific building project.

SECTION 08830 - MIRRORS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Decorative Mirrors.
- B. Door Mirrors.
- C. Vanity Mirrors.
- D. Sheet Mirrors (Custom).

1.2 RELATED SECTIONS

- A. Section 08850 - Glazing Accessories.

1.3 REFERENCES

- A. ASTM C 1036 - Standard Specification for Flat Glass.
- B. ASTM C 1503 - Standard Specification for Silvered Flat Glass Mirror.
- C. Glass Association of North America (GANA) Glazing Manual.

1.4 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including performance characteristics and installation instructions.
- C. Shop Drawings: Submit manufacturer's or fabricator's shop drawings, including plans, elevations, sections, and details, indicating glass dimensions, tolerances, types, thicknesses, and coatings.
- D. Samples: Submit manufacturer's samples of each type and thickness.

- E. Cleaning Instructions: Submit manufacturer's cleaning instructions.
- F. Warranty: Submit manufacturer's standard 10-year warranty for mirror.

1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Minimum of 5 years experience manufacturing mirror.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Delivery:
 - 1. Deliver mirror to site in accordance with manufacturer's instructions.
 - 2. Deliver mirror in manufacturer's or fabricator's original containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage:
 - 1. Store mirror in accordance with manufacturer's instructions.
 - 2. Store mirror in clean, dry area indoors.
 - 3. Protect from exposure to direct sunlight and freezing temperatures.
 - 4. Apply temporary coverings loosely to allow adequate ventilation.
 - 5. Protect from contact with corrosive chemicals.
 - 6. Avoid placement of mirror's edge on concrete, metal, and other hard objects.
 - 7. Rest mirror on clean, cushioned pads at 1/4-points.
- C. Handling:
 - 1. Handle mirror in accordance with manufacturer's instructions.
 - 2. Protect mirror from damage during handling and installation.
 - 3. Do not slide 1 lite of mirror against another.
 - 4. Do not use sharp objects near unprotected mirror.

1.7 ADHESIVES

- 1. Guardian does not endorse any specific mastic manufacturer and we cannot guarantee results with any particular product, as manufacturers sometimes reformulate their products without notice.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Guardian Consolidated, 110 Jack Guynn Drive, Galax, Virginia 24333. Toll Free (800) 822-5599. Phone (276) 236-5196. Fax (276) 236-0570. Web Site www.guardian.com.

2.2 MIRROR GLASS

- A. Decorative Mirror:
 - 1. Guardian Industries [**Mirror**] [**UltraMirror™**].

[Project Name]
[Date]

[Architect/Interior Designer]
[Project Number]

- a. Type: [Architectural] [Circular] [Octagonal] [Oval] [Rectangular].
- b. Thickness: [1/8 inch (3 mm)] [3/16 inch (5 mm)].
- c. Bevel: [1/2 inch] [1 inch].
- d. Etching: [V-Groove] [none].
- e. Edge: Pencil edge.
- f. Dimensions: [24 inch diameter] [30 inch diameter] [24 inch x 36 inch] [24 inch x 68 inch] [22 inch x 30 inch] [21 ¼ inch x 31 ¼ inch] [24 inch x 37 inch] [36 inch x 48 inch] [24 inch x 24 inch] [30 inch x 40 inch] [30 inch x 48 inch].

B. Door Mirror:

1. Guardian Industries [Mirror] [UltraMirror™].
 - a. Thickness: [1/8 inch (3 mm)] [1/4 inch (6 mm)].
 - b. Bevel: [1/2 inch] [none].
 - c. Edge: Pencil edge.
 - d. Dimensions: [16 inch x 56 inch] [18 inch x 68 inch] [20 inch x 68 inch] [22 inch x 68 inch] [24 inch x 68 inch].

C. Vanity Mirror:

1. Guardian Industries [Mirror] [UltraMirror™].
 - a. Thickness: [1/8 inch (3 mm)] [3/16 inch (5 mm)] [1/4 inch (6 mm)].
 - b. Bevel: [1/2 inch] [none].
 - c. Edge: [Pencil edge] [Flat edge].
 - d. Dimensions: [24 inch x 24 inch] [24 inch x 36 inch] [24 inch x 42 inch] [28 inch x 36 inch] [30 inch x 36 inch] [30 inch x 40 inch] [30 inch x 42 inch] [30 inch x 48 inch] [34 inch x 36 inch] [36 inch x 36 inch] [36 inch x 40 inch] [36 inch x 42 inch] [36 inch x 48 inch] [36 inch x 54 inch] [36 inch x 58 inch] [36 inch x 60 inch] [36 inch x 66 inch] [36 inch x 72 inch] [38 inch x 40 inch] [40 inch x 42 inch] [40 inch x 48 inch] [40 inch x 54 inch] [40 inch x 58 inch] [40 inch x 60 inch] [40 inch x 66 inch] [40 inch x 72 inch] [42 inch x 42 inch] [42 inch x 48 inch] [42 inch x 48 inch] [42 inch x 54 inch] [42 inch x 58 inch] [42 inch x 60 inch] [42 inch x 72 inch] [48 inch x 48 inch] [48 inch x 60 inch] [48 inch x 72 inch].

D. Sheet Mirror (Custom):

1. Guardian Industries [Mirror] [UltraMirror™].
 - a. Thickness: [1/8 inch (3 mm)] [5/32 inch (4 mm)] [3/16 inch (5 mm)] [1/4 inch (6 mm)].
 - b. Bevel: [1/2 inch] [none].
 - c. Edge: [Pencil edge] [Flat edge].
 - d. Dimensions: ___ inches x ___ inches

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive mirror. Notify Architect of conditions that would adversely affect installation. Do not proceed with installation until unsatisfactory conditions are corrected.

3.2 PREPARATION

- A. Verify areas to receive mirror are correct size and within tolerance.
- B. Verify areas to receive mirror are clean and free of obstructions.

3.3 GLAZING

- A. Install mirror in accordance with manufacturer's instructions, except where local codes or GANA Glazing Manual indicate more stringent requirements.

3.4 FIELD QUALITY CONTROL

- A. Verify mirror is free of chips, cracks, and other inclusions that could inhibit structural or aesthetic integrity.

3.5 CLEANING

- A. Clean mirror promptly after installation in accordance with manufacturer's instructions.
- B. Remove labels from mirror surface.
- C. Do not use harsh cleaning materials or methods that would damage mirror.

3.6 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