

SECTION 077213

**Gladiator** MANUFACTURED ROOF CURBS FOR CONVENTIONAL ROOFS

**PART 1 GENERAL**

**1.1 SUMMARY**

- A. Section Includes:
1. Manufactured Roof Curbs for conventional buildings.

**PART 2 PRODUCTS**

**2.1 MANUFACTURERS**

- A. Bristolite Daylighting Systems, Inc.
1. Tel: 714.450.8950
  2. Fax: 714.540.5415
  3. Email: [sales@bristolite.com](mailto:sales@bristolite.com)
  4. Web Site: <http://www.bristolite.com>

**2.2 CONSTRUCTION**

- A. Frames:
1. Material: ASTM A 653 G90 hot-dipped galvanized steel. Minimum 18 gauge or heavier gauge as engineered by manufacturer.
  2. Corners: Mitered and welded. Bolted connections are not accepted.
  3. Base Plates: Integral to frame and welded.
  4. Insulation: GLA-1, 2 and 3 styles are insulated with 1-1/2 inch thick three-pound density fiberglass insulation.
  5. Internal Reinforcement: GLA-1, 2 and 3 styles are reinforced with 1 inch by 1 inch angles on any side of curb 3 feet or more in length.
  6. Wood Nailers: Factory installed, pressure treated.
- B. Curb Height: Minimum 8 inches above finished roof or as specified.
- C. Construct curbs to match roof slope with plumb and level top surface for mounting mechanical equipment, smoke vents, roof hatches and skylights, except where sloped top surface is shown on drawings.
- D. Gasketing: 1/4 inch thick, 1 inch wide at roof top units and skylights.
- E. Manufactured Roof Curb Styles with typical applications.
1. GLA-1 (raised cant style with insulation) installs on top of metal decks.
  2. GLA-2 (canted style with insulation) installs on wood roofs.
  3. GLA-3 (non-canted style with insulation) installs either under or on top of metal decks.
  4. GLA-4 (canted style without insulation) installs on wood roofs.
  5. GLA-5 (non-canted style without insulation) installs either under or on top of metal decks.

**PART 3 EXECUTION**

**3.1 INSTALLATION**

- A. Install in accordance with Contract Document provisions and manufacturer's instructions.

**3.2 COORDINATION**

- A. Bristolite shall coordinate Manufactured Roof Curb sizes and options with the general and/or mechanical/roofing contractor prior to fabrication.
- B. Shop drawing approval is required before fabrication

**3.3 WARRANTY**

- A. The manufactured roof curbs shall be guaranteed to be free from defects in materials or workmanship for a period on not less than (5) five years.

END OF SECTION