

SPECIFICATIONS SECTION 000

METAL BUILDING ROOF CURBS - GLADIATOR

I. PART ONE - GENERAL

1.1 SUMMARY

- A. The General Contractor shall provide all labor, material, and equipment to completely install prefabricated Metal Building Roof Curbs.
- B. Metal Building Curbs shall be used at all roof penetrations including but not limited to skylights, exhaust fans, pipe penetrations, HVAC units, and duct openings.

1.2 SUBMITTALS

- A. Product Data: Provide manufacturer's product data for all materials in this specification.
- B. Shop Drawings: Show profiles, accessories, location, and dimensions.

1.3 PRODUCT HANDLING

- A. All materials shall be delivered in manufacturer's original packaging.
- B. Store materials in a dry, protected, well-vented area. The contractor shall thoroughly inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.

1.4 WARRANTY/GUARANTEE

- A. Manufacturer's standard warranty: Materials shall be free of defects in material and workmanship for a period of five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge. Electrical motors, special finishes, and other special equipment (if applicable) shall be warranted separately by the manufacturers of those products.

II. PART TWO - PRODUCTS

2.1 MANUFACTURER

- A. **GLADIATOR CURBS - Bristolite Daylighting Systems 410 E Goetz Ave. Santa Ana, CA 92707; 800-854-8618, www.bristolite.com**

III. PART THREE - CONSTRUCTION

3.1 CONSTRUCTION

- A. Curbs shall be fabricated of a minimum 18 gauge aluminized steel finish or 0.080 aluminum where a 20 year material and fabrication warranty applies, or heavier as required to support the load of the equipment, with corners mitered and welded watertight.
- B. Minimum height of curb shall be 8" above finished roof (or as specified) and provided with a 4" high integral cricket.
- C. Curbs shall be pitch corrected to provide a level top surface where mechanical equipment will be installed.
- D. Contours shall be provided to match the configuration of the specific metal building roof panel.
- E. Curb insulation shall be polyisocyanate rigid insulation of 1" thickness.
- F. Minimum upslope flange of 12". Where a 20 year material and fabrication warranty applies 19" wide upslope flange for trapezoidal standing seam or a 22" upslope flange for vertical standing seam, with side flanges that extend to next rib with a minimum of 6" clearance between the curb wall and the next rib.

IV. PART FOUR - EXECUTION

4.1 COORDINATION

- A. Submit product design drawings for review and approval to the architect or specifier prior to fabrication.
- B. Size of curbs, gauge of material, pitch of roof, contour location, and required options shall be coordinated by curb manufacturer, general contractor, and mechanical contractor prior to fabrication.
- C. The installer shall check as-built conditions and verify the manufacturer's curb submittal drawings for accuracy to fit the application prior to fabrication.
- D. The installer shall furnish mechanical fasteners and sealants consistent with the roof requirements.

4.2 INSPECTION

Verify that the substrate is dry, clean, and free of foreign matter. Report and correct defects prior to any installation.

END OF SECTION