

## SECTION – 07720 PREFABRICATED METAL BUILDING ROOF CURBS

### I. GENERAL

- 1.1 The general conditions and supplemental general conditions of the contract apply to this section as if completely written herein.
- 1.2 The General Contractor shall provide all labor, material and equipment to completely install the Prefabricated Metal Building Roof Curbs.
- 1.3 The Prefabricated Metal Building Roof Curbs shall be used on all roof penetrations, including but not limited to HVAC Units, Exhaust Fans, Skylights, Pipe & Column Penetrations, and Duct Openings.

### II. PRODUCTS

- 2.2 The Prefabricated Metal Building Roof Curbs shall be Model CPM - (specify #1, 2, 3, 4, 5, 6, 7, 8, 9, or 10) as manufactured by: **RETAIL AIR SYSTEMS / CHATTANOOGA, TN**  
**TOLL FREE 1-800-245-8104**

### III. CONSTRUCTION

- 3.1 The Prefabricated Metal Building Roof Curbs shall be constructed using, minimum 18 gauge AZ-55 prime galvalume steel, or heavier gauge (as required). Fully mitered and welded corners. Integral base plates and water cricket. All welds prime painted after fabrication. Internally reinforced with steel angle on curbs with any side longer than 3'-0". Factory insulated with 1-1/2" thick, 3# density fiberglass insulation on CPM - (1, 3, 5, 7, & 9) style curbs.
- 3.2 Minimum height of Roof Curbs shall be 8" above finished roof or (as specified).
- 3.3 The Prefabricated Metal Building Roof Curbs shall be sloped to match the roof pitch and provide a level top.
- 3.4 Flange and/or Clips shall match the roof panel configuration.
- 3.5 **OPTIONS:**
  1. Specific Rib Placement.
  2. Additional Height.
  3. Heavier Gauges of Metal.
  4. Aluminum Construction.
  5. LFQ, CQ, G-90 Prime Galvanized Steel Construction.
  6. Security Bars.
  7. Damper Trays.
  8. Ridge Mounted.
  9. Extended Base Plates.
  10. Solid Platform Covers.
  11. Temporary Covers.
  12. Pipe Penetration Boots.
  13. Pipe Curb Tops.
  14. Pipe Box Tops.
  15. Isolation Rails.
  16. Sound Baffles.
  17. Painted to Match Roof Panel Color.
  18. Engineered Calculations.

Continued

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## **SECTION – 07720 PREFABRICATED METAL BUILDING ROOF CURBS (Continued)**

### **IV. INSTALLATION**

- 4.1** The Prefabricated Metal Building Roof Curbs must be installed in accordance with instructions and as detailed on drawings.

### **V. COORDINATION**

- 5.1** The Prefabricated Metal Building Roof Curb sizes and options shall be coordinated by Retail Air Systems and the General and/or Mechanical contractor prior to fabrication.
- 5.2** Shop drawing approval is required before fabrication.

### **VI. GUARANTEE**

- 6.1** The Prefabricated Metal Building Roof Curbs shall be guaranteed to be free from defects in materials or workmanship for a period of five years.

**END**