

KCC Manufacturing

SECTION 07720- PREFABRICATED METAL BUILDING ROOF CURBS

PART 1 – GENERAL

- 1.01 The general conditions and supplemental conditions of the contract apply to this section as if completely written herein.
- 1.02 The General Contractor shall provide all labor, material and equipment to completely install prefabricated metal building roof curbs.
- 1.03 Prefabricated metal roof curbs shall be used at all roof penetrations including but not limited to HVAC units, skylights, duct openings, pipe penetrations, column penetrations and exhaust fans.
- 1.04 Section includes pre-manufactured roof curbs for pre-engineered metal buildings.
- 1.05 Related sections include division 7 section for roofing types and roofing accessories included as part of roofing work.
- 1.06 System Description
- A. Factory fabricated pre-manufactured roof curbs for pre-engineered metal roofing systems.
- 1.07 Submittals
- A. Provide detailed product data, shop drawings and installation instructions, including details of construction relative to materials, dimensions and finishes.
 - B. Shop drawings are to include remarks indicating locations of items provided under this section.
 - C. Coordinate dimensions with shop drawings of equipment to be supported.
- 1.08 Quality Assurance
- A. Substitutions: Requests for substitution shall be submitted in writing at least 10 days prior to bid date and shall be accompanied by product literature and samples. No substitution will be permitted after bid date.
- 1.09 Delivery, Storage and Handling
- A. Curbs shall be sufficiently crated to prevent damage in transit.
 - B. Store curbs in a safe, dry location.
 - C. Protect curbs from damage by other trades.

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PART 2 – PRODUCTS

2.01 Manufacturers

- A. KCC Manufacturing or an approved equal.

2.02 Materials

- A. Galvalume coated sheet steel, ASTM792 with a class AZ-55 coating.

2.03 Manufactured Units

Pre-manufactured metal roof curbs shall be model MBC- (specify 1,3,7,7-2 or SI) as manufactured by; KCC Manufacturing
2716 Grassland Drive
Louisville, KY 40299
(800) 382-2872 – (502) 491-9880 - FAX (502) 491-1739

2.04 Fabrication

- A. Curbs shall be constructed using minimum 18 gauge Galvalume steel (14 gauge on curbs with any side longer than 48” and for all HVAC unit curbs) with fully mitered and welded corners, fully enclosed cricket water diverter and factory insulated with 1 ½”, 3# density fiberglass insulation.
- B. Minimum height of curb shall be 8” above finished roof (or as specified).
- C. Curbs shall be pitched to match roof slope and provide a level top surface for mounting equipment.
- D. Curb base flange shall be fabricated to match configuration of roof panel.
- E. All welds shall be factory coated with a corrosion inhibiting coating.

PART 3 – INSTALLATION

3.01 Curbs shall be installed in accordance with the metal building manufacturers instructions and as shown on the drawings.

3.02 Curbs shall be supported by a framing system that fully supports the perimeter of the curb base. If the installation is on a standing seam roof system, the framing system shall be designed to accommodate thermal movement and allow the curb to expand and contract with the roof panels.

PART 4 – WARRANTY

4.01 Roof curbs shall be guaranteed to be free from defects in material and/or workmanship for a period of one year.