

SECTION – 07720 PREFABRICATED CONVENTIONAL EQUIPMENT SUPPORTS

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 Conventional Equipment Supports.

II. PRODUCTS

- 2.1 The Prefabricated Conventional Equipment Supports shall be Model CPES- (specify #1, 2, or 3) as manufactured by: **RETAIL AIR SYSTEMS / CHATTANOOGA, TN**
TOLL FREE 1-800-245-8104

III. CONSTRUCTION

- 3.1 The Prefabricated Conventional Equipment Supports shall be constructed using, minimum 18 gauge LFQ, CQ, G-90 galvanized steel, or heavier gauge (as required). Fully mitered and welded corners. Integral base plates. 3” cant on CPES - (1 & 2) style supports. All welds prime painted after fabrication. Full depth internal C-channel reinforcing on 12” centers, and 6” spreader channels on alternating 12” centers. 18 Ga. counterflashing factory installed with tek-screws & neoprene washers. Factory installed 2” x 4” pressure treated wood nailer.
- 3.2 Minimum height of Equipment Supports shall be 8” above finished roof or (as specified).
- 3.3 **OPTIONS:**
 1. Sloped to match roof pitch and provide a level top.
 2. Additional Height.
 3. Heavier Gauges of Metal.
 4. Aluminum Construction.
 5. Ridge Mounted.
 6. Larger Nailers (2” x 6”, 2”x 8”, 2” x 10”, or 2” x 12”).
 7. Extended Base Plates.
 8. Pipe Roller Supports.
 9. Engineered Calculations.

IV. INSTALLATION

- 4.1 The Prefabricated Conventional Equipment Supports must be installed in accordance with instructions and as detailed on drawings.
- 4.2 The Prefabricated Conventional Equipment Supports must span a minimum of two structural roof members.
- 4.3 No load shall be applied to a cantilever exceeding 1’-0” in length.

Continued

**SECTION – 07720 PREFABRICATED CONVENTIONAL EQUIPMENT SUPPORTS
(Continued)**

V. COORDINATION

- 5.1** The Prefabricated Conventional Equipment Support 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 Conventional Equipment Supports shall be guaranteed to be free from defects in materials or workmanship for a period of five years.

END