SECTION 15724CPPR – ROOFTOP AIR HANDLING UNITS

PART 1. GENERAL

1.1 Section includes requirements specific to outdoor air-handling units in addition to the requirements of Section 15721CPPR – Air Handling Units.

1.2 Show Manufacturer’s recommended service clearances and pull clearances as shaded areas on mechanical plans.

PART 2. PRODUCTS

2.1 MANUFACTURERS

A. Carrier

B. Trane

C. York

D. No substitutions

2.2 SUPPORT

A. Mount on dunnage minimum 18 inches above roof to permit maintenance, or on waterproofed, insulated roof curb minimum 14 inches high.

2.3 CASING

A. Provide double wall floor pan insulation as required.

B. Access Doors:
   1) Minimum: 14” wide by full clear height of unit side, with gasket, latch, and handle assemblies. On units over 48” high, provide minimum 18” door width.
   2) Furnish welded channel frame to set door out from casing to permit external insulation.

C. Outlets: Provide convenience outlets within 15 feet.

D. Lights: In accessible sections, provide one fixture suitable for damp locations with wire guards, factory wired to weatherproof switch. In humidifier sections, furnish lights suitable for wet locations.
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Criteria, Performance, & Proprietary Requirements

E. Weatherproof Casing: Seal fixed joints with flexible weather tight sealer. Seal removable joints with closed-cell foam gasket. Furnish cap strips over roof flanges. Furnish rain caps and gaskets on access doors.

F. Outdoor Air Intake and Relief Openings
1) Protect from rain and insects.

2.4 FANS
A. Mounting: Locate fan and motor internally. Furnish access to motor, drive, and bearings through removable casing panels or hinged access doors.

2.5 DAMPERS
A. Actuators shall be internal to unit housing.

END OF SECTION