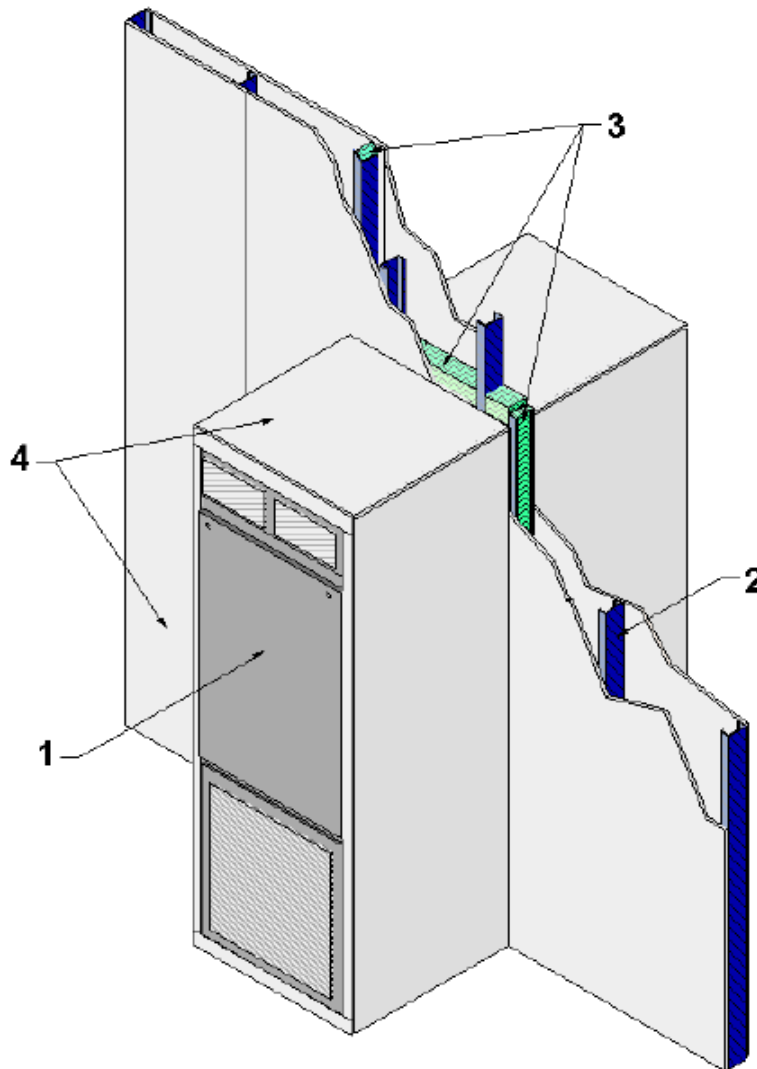

Design Number NRI/FCU 60-01
Interior Non-Load Bearing Wall System
Nailor Industries
39VH and 39L Series Vertical Hi-rise Fan Coil Units
UL 1479 (2003)
F-Rating: 1 Hour
T-Rating: 1 Hour



1. CERTIFIED COMPANY: Nailor Industries

CERTIFIED PRODUCT: Vertical Fan Coil Units

MODEL: 39VH or 39L Series Vertical Hi-rise Fan Coil Units

Date Created: February 26, 2010
Project No: 3188823SAT-005

FAN COIL UNIT: Install 39VH or 39L Series Vertical Hi-rise Fan Coil Unit prior to constructing the 1 hour rated gypsum wall assembly.

Position 39VH or 39L Series Vertical Hi-rise Fan Coil Unit at desired

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DIVISION 23 – HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

23 82 00 Convection Heating and Cooling Units

23 82 19 Fan Coil Units

Page 1 of 2

location and construct the gypsum wall assembly as follows:

2. Steel Studs: Use minimum 3-5/8 inch, 20 GA Galvanized steel studs. Maximum spacing, 24 inches on center. Cut studs $\frac{1}{2}$ to $\frac{3}{4}$ -inch less than wall assembly height and friction-fitted into floor and ceiling track (Not Shown). Secure vertical studs to 20 GA steel floor and ceiling track using one #7 X 7/16-inch pan head framing screw at each connection.
3. INSULATION: Install nominal 4-inch wide by 2-inch thick minimum 3-pcf density mineral wool insulation into steel stud (Item 2) cavity on the outward facing studs on both sides of the 39VH or 39L Series Vertical Hi-Rise Fan Coil Unit (Item 1). Install insulation the full height of the wall assembly in the cavity of the steel studs (Item 2). Horizontally install an additional 4-inch wide strip of insulation covering the top of the 39VH or 39L Series Vertical Hi-Rise Fan Coil Unit (Item 1).
4. Gypsum Board: Use minimum 5/8-inch thick Type X gypsum board installed with long dimension parallel to steel studs (Item 2). Install gypsum board with joints centered over studs and staggered one stud cavity on opposite

sides of steel studs (Item 2). Attach gypsum board to steel studs (Item 2) using #6 X 1-1/4-inch self drilling zinc coated screws installed 8-inches on center at vertical joints and 12-inches on center at the floor and ceiling runners and intermediate studs. Install gypsum board on all exterior surfaces of the 39VH or 39L Series Vertical Hi-Rise Fan Coil Unit (Item 1).

- A. Joint Tape and Compound – (Not Shown) Apply vinyl or casein, dry or premixed joint compound to face layers of gypsum board (Item 4) in two coats to all exposed fastener heads and gypsum board joints. Embed a minimum 2-inch wide paper, plastic, or fiberglass tape in first layer of compound over joints in gypsum board (Item 4).