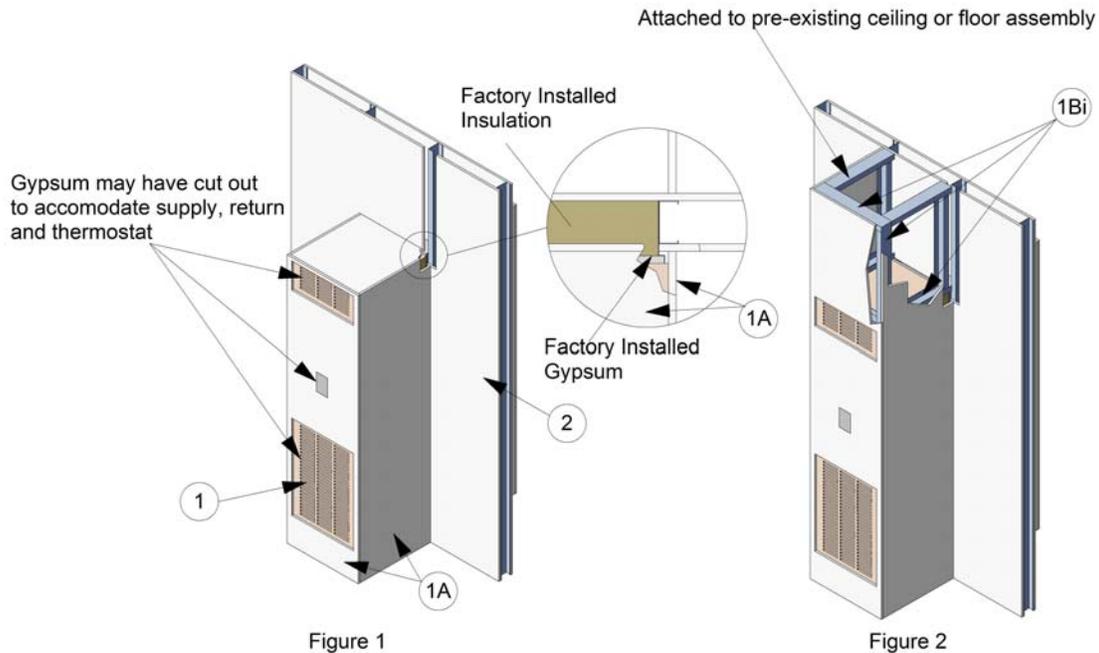


**Johnson Controls
JCI/PF 60-01
Enviro-Pac VHA/VHB
Penetration Firestop
UL 1479
F-Rating – 60 min.
T-Rating – 60 min.**



1. CERTIFIED MANUFACTURER: Johnson Controls

CERTIFIED PRODUCT: Fan Coil Unit

MODEL: Enviro-Pac VHA/VHB

Fan Coil Unit - The fan coil unit shall be installed with the cavity between the two units centered in the wall assembly per the manufacturer's instructions.

- A. Gypsum Board – The fan coil unit (Item 1) shall have all exposed sides of the unit covered with min. 5/8 in. Type X gypsum board. Attach gypsum board to unit with sheet metal screws spaced 8 in. on centers (oc) around the perimeter and 12 in. oc in the field ensuring that screws are not located where they would penetrate interior working of unit. Front face of the unit may have gypsum cut out to accommodate supply, return or controls for the unit. Gypsum board

shall be tightly butted against the wall assembly (Item 2) on all exposed sides.

- B. Gypsum Board – (Alternative Installation – refer to Figure 2) As an alternate the min. 5/8 in. Type X gypsum board can be installed to the fan coil unit utilizing the following installation technique:
- i) Unit Framing – Install min. 25 GA nominal 3-1/2 in wide steel track to the top of the fan coil unit (Item 1) on the top front and two top sides of the unit. Attach steel track to the top of the fan coil unit using sheet metal screw spaced 12 in. oc. Install identical track to the ceiling or floor assembly using appropriate anchors. Friction fit min. 25 GA nominal 3-1/2 in. steel studs into the top and bottom track and secure with pan head screws. Install one

- stud at each corner of the fan coil unit.
- ii) Gypsum Board - Install gypsum board to the front and side of the fan coil unit as described in Item 1A. Extend the gypsum board to the ceiling or floor assembly attaching to steel studs and track with Types S screws spaced max. 8 in. oc.
2. **Wall Assembly** – Install into a min. 1-hour fire rated wall assembly of gypsum and steel stud, gypsum and wood stud, concrete

or masonry construction with a min. overall thickness of 4-3/4 in. The wall assembly shall extend into the unit spacer plate. When applicable, attach studs of the wall to the unit spacer plate with sheet metal screws spaced nominal 12 in. oc. When built of gypsum construction the following min. requirements must be met.

- A. Studs – Wood or steel studs nominal 3-1/2 in thick, spaced max. 24 in. oc.
- B. Gypsum Board – Min. 5/8 in. Type X gypsum board with a min. of one layer installed on each side of the wall assembly.