

## PDAE 16" x 44" Replacement Unit – Applied Packaged Terminal Air Conditioner Hydronic Plenum and End Cover Section

### General

The hydronic heating package is designed to permit adaptation of the PDAE Applied PTAC for use with hydronic heat facilities.

### Unpacking

1. The carton contains the parts listed in Table 1.
2. Open the carton and check the contents. Report missing or damaged parts to the carrier immediately.

### ⚠ CAUTION

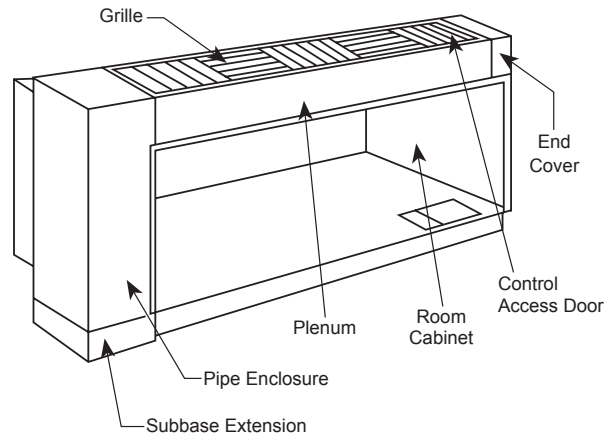
Installation and maintenance is to be performed only by qualified personnel who are familiar with, and in compliance with state, local and national codes and regulations, and experienced with this type of equipment. Sharp edges and coil surfaces are potential injury hazards. Avoid contact with them.

*Table 1. Components*

Quantity	Component
1	Door-Control Access
1	Plenum
1	Cover – end
*1	Pipe Enclosure – same end piping
*1	Subbase Extension
4	Channel
A/R	Hardware

\*Two (2) opposite end piping.

*Figure 1. Component Locations*



### Procedure

Perform the following procedures to install the plenum and end cover assembly.

1. Remove the PDAE Applied PTAC chassis from the wall sleeve.
2. Position the 5 1/8" (130 mm) channels at each end of the grille tray opening (see Figure 2).
3. Position the top plenum over the heat coil section with the access door over the unit control panel.
4. Position the 8 1/2" (216 mm) channels inside the plenum over the channels. Position the horizontal flanges up for both channels.
5. Clamp the plenum in place inserting the 8-32 x 3/4" screw up through both channels and fasten to the 8-32 hex nut recessed in the top channel (see Figure 2). The left-hand screw passes through the 1/4" clearance hole provided; the right-hand screw passes through the control door opening.

Figure 2. Plenum End View Detail

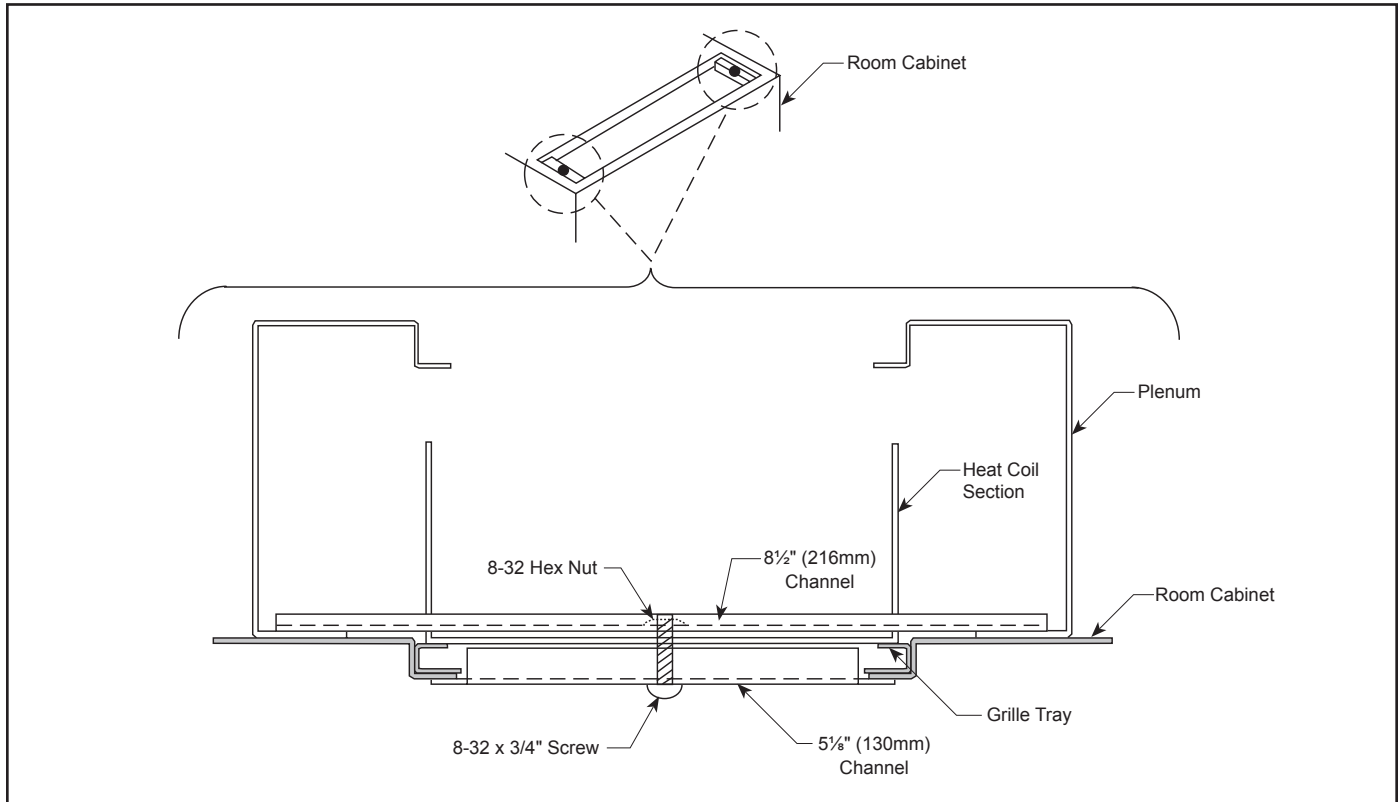
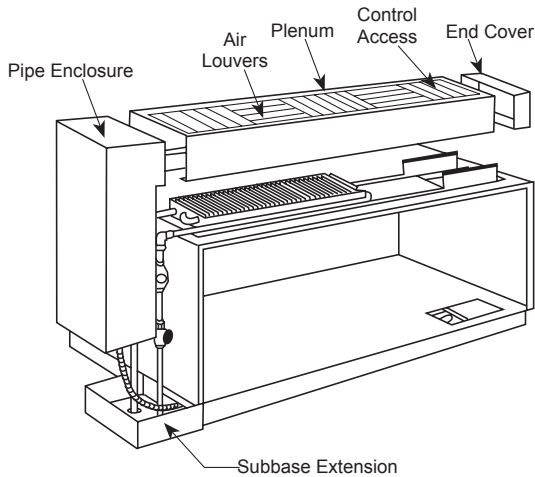


Figure 3. Hydronic Plenum and End Cover Assembly



6. When the coil has same end supply/return piping connections, snap the end cover over the end of the plenum opposite the piping connections. Snap the pipe enclosure into the piping-end subbase extension and the plenum.

7. When the coil has opposite end supply/return piping connections, snap the piping enclosures into the piping-end subbase extension and plenum on either end.

8. When supply piping comes through the wall, remove the knockout or cut the proper hole from the end cover to feed the piping to the unit.

**WARNING**

Residential and institutional cleaning compounds can cause permanent damage to the packaged terminal unit. To avoid damage to unit controls and heat transfer surfaces, do not spray cleaning compounds onto the discharge grille, the return air opening or the unit controls. Normal cleaning can be accomplished by wiping the unit surface with a damp cloth. When using cleaning compounds on carpets, floors or walls, turn the unit off to avoid drawing potentially damaging vapors into the packaged terminal unit.

This document contains the most current product information as of this printing. For the most up-to-date product information, please go to [www.mcquay.com](http://www.mcquay.com).



For replacement parts call 1-800-377-2787

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