



Installation Instructions

Part No: 30MP-900---022, 30MP70001501, 30MP70001601

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SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure). Only trained, qualified installers and service technicians should install, start-up, and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and any other safety precautions that apply:

- Follow all safety codes
- Wear safety glasses and work gloves
- Use care in handling and installing this accessory

It is important to recognize safety information. This is the safety-alert symbol: . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

WARNING

Electrical shock can cause personal injury and death. Shut off all power to this equipment during installation. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

GENERAL

The accessory sound enclosure package consists of a set of insulated sheet metal panels for mounting on 30MP units to achieve additional sound reduction where needed. After all panels are mounted, the unit will be completely enclosed with sound insulation panels.

The enclosure accessory kit for 30MPE will provide a uniform look for 30MPE in a bank of 30MP chillers with sound enclosures.

Check Package Contents

Check package for missing parts or shipping damage. If damage is found, or any part is missing, file a claim with the shipper immediately.

See Accessory Package Contents (Tables 1-3) for part number descriptions and quantities.

See Table 1 for accessory kit No. 30MP70001501 and 30MPA/W/Q unit usage without manifolds.

See Table 2 for accessory kit No. 30MP70001601 and 30MPA/W/Q unit usage with manifolds.

See Table 3 for accessory kit No. 30MP-900---022 and 30MPE unit usage.

WARNING

To avoid the possibility of personal injury, obtain assistance when installing this equipment. A minimum of 2 people are required.

INSTALLATION

Read Instructions Carefully

Before proceeding with installation, review Fig. 1-7 for proper orientation to assemble parts, except where noted below. Specific item numbers referenced for accessory kit contents and quantities are described in Tables 1-3.

30MPA, MPW, MPQ Instructions

NOTE: See Fig. 1 for item number locations.

ATTACH SUPPORT POSTS TO UNIT LOWER SECTION

Install 4 corner posts (Fig. 1, Item 3) to the unit corners. Install with the screws provided as shown in Fig. 1.

NOTE: The unit basepan has pre-drilled engagement screw holes.

ATTACH SUPPORT POSTS TO UNIT UPPER SECTION

1. Remove the 2 triangular gussets that are mounted to the control panel and discard. Each gusset is mounted with 2 screws located inside the control panel and 2 screws to the unit frame.

NOTE: Corner panels replace gussets using same screw holes. See Fig. 3 and 4 for gusset removal and screw hole locations.

2. Install right and left corner panels (Fig. 1, Items 2 and 13) to control box and frame, in same manner as the gussets removed in Step 1.
3. Install rear upper panel (Fig. 1, Item 10) to frame on evaporator end of unit.
4. Install side and front/back top channels (Fig. 1, Items 4 and 8) inside the rear panels installed in Step 3 above. See Fig. 5 and 6 for channel and post locations.
5. Insert front panel (Fig. 1, Item 11) between tabs on the front corner posts (backside of control box). See Fig. 7 for tab locations. Screw into front channel (Fig. 1, Item 4).

INSTALL INSULATED SIDE PANELS TO UNIT

1. Install compressor compartment panels to side panels to upper frame. See Fig. 1, Item 9.
2. Place top panel over top frame and secure with screws provided. See Fig. 1, Item 12.
3. Install 2 center panels to cover heat exchanger bay. See Fig. 1, Item 1.

NOTE: Some panels do not include insulation.

MODIFY CONDENSER AND EVAPORATOR EXIT

For units without water manifolds, the location of the condenser water inlet/outlet (30MPW/MPQ units) or compressor discharge/condenser liquid (30MPA units) are job site dependent; it is necessary to remove the knockouts from the end panel (Fig. 1, Item 7) on site for this purpose.

For units without manifolds, install panel assemblies on evaporator end. See Fig. 1, Items 14 and 22. Use single panel assembly on evaporator side with manifolds. See Fig. 1, Item 7.

1. Install left and right insulation assemblies (see Fig. 1, Items 5 and 6).
2. Install condenser end panel (see Fig. 1, Item 7).

WARNING LABEL

Attach warning label (Fig. 1, Item 23) to Item 5 or 6 in the most visible corner. See Fig. 1 for item locations.

CAUTION

The panels assemblies leave an open area at the bottom of the unit. This is required for refrigerant dissipation in the event of a leak. Do not cover these areas.

30MPEA, MPEW Instructions

NOTE: See Fig. 2 for item number locations.

ATTACH SUPPORT POSTS TO UNIT LOWER SECTION

Install two corner posts to the unit corners. Install with the screws provided. Two corner posts are installed under the control box end from the factory. See Fig. 2, Item 11 and Table 3 for item locations and descriptions.

NOTE: The unit basepan has pre-drilled engagement screw holes.

ATTACH SUPPORT POSTS TO UNIT UPPER SECTION

1. Remove the 2 triangular gussets that are mounted to the control panel and discard. Each gusset is mounted with 2 screws located inside the control panel and 2 screws to the unit frame. See Fig. 3 and 4 for gusset removal and screw hole locations.

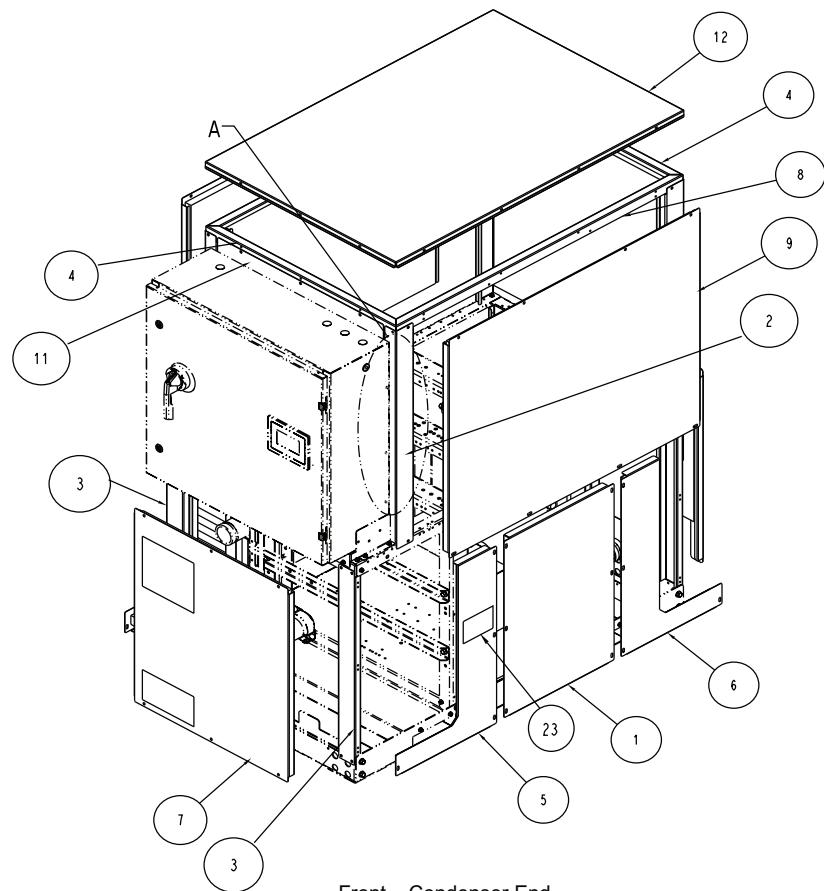
NOTE: Corner panels replace gussets using same screw holes. See Fig. 5 and 6 for channel and post locations.

2. Install right and left corner panels to control box and frame, in same manner as the gussets removed in Step 1. See Fig. 2, Items 7 and 10.
3. Install rear panel to frame on evaporator end of unit. See Fig. 2, Item 12.
4. Install side and front/back top channels (see Fig. 2, Items 2 and 9) inside the corner panels installed in Step 2. See Fig. 5-7 for channel and tab locations.

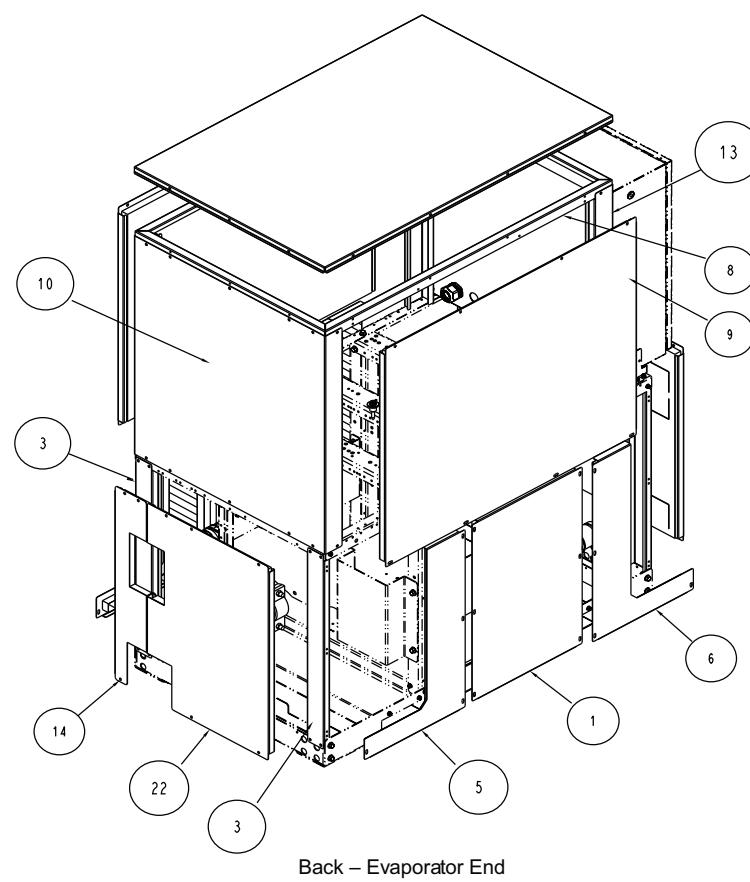
INSTALL INSULATED SIDE PANELS TO UNIT

1. Install side panels (Fig. 2, Item 3) to upper frame.
2. Place top panel (Fig. 2, Item 1) over top frame and secure with screws provided.
3. Install 2 center panels. See Fig. 2, Item 5.
4. Install end panel for the unit size. See Fig. 2, Item 8.
5. Install left and right insulation assemblies. See Fig. 2, Items 4 and 6.

NOTE: Some 30MPE panels do not include insulation.



Front - Condenser End



NOTE: See Tables 1 and 2 for call out details.

Fig. 1 — Insulation Accessory Package — 30MPA, MPW, and MPQ Units (Unit shown without water manifolds)

Table 1 — 30MP70001501 Sound Enclosure Accessory Package Contents - 30MPA/W/Q Unit without Water Manifolds

ITEM	ITEM DESCRIPTION/LOCATION		PART NO.	QTY
1	Panel, Center	Insulation HX Housing	30MP400293	2
2	Panel, Corner	30MP Unit	30MP502087	1
3	Post, Corner	Low Sound	30MP501209	4
4	Top Channel	30MPE Unit	30MP501981	2
5	Panel, Side	Insulation Assembly	30MP400555	2
6	Panel, Side	Insulation Assembly	30MP400556	2
7	Panel Assembly	30MP (17-80 Ton)	2008075455	1
8	Top Channel	Side	30MP500284	2
9	Panel Assembly	Compressor Housing	2004885492	2
10	Panel Assembly	30MP (50-75 Ton)	30MP500754	1
11	Panel, Top	Front	30MP500288	1
12	Panel, Top	Insulation Assembly	30MP400308	1
13	Panel, Corner	30MP	30MP502088	1
14	Panel Assembly	Sound Enclosure	2004944159	1
15	Fastener, Screw	—	AL56ZA003	133
19	Instructions	Sound Enclosure	30MP-7ASI	1
22	Panel Assembly	Sound Enclosure	2004944167	1
23	Label	Warning Label	2008065677	1

Table 2 — 30MP70001601 Sound Enclosure Accessory Package Contents - 30MPA/W/Q Unit with Water Manifolds

ITEM	ITEM DESCRIPTION/LOCATION		PART NO.	QTY
1	Panel, Center	Insulation HX Housing	30MP400293	2
2	Panel, Corner	30MP	30MP502087	1
3	Post, Corner	Low Sound	30MP501209	4
4	Top Channel	30MPE	30MP501981	2
5	Panel, Side	Insulation Assembly	30MP400555	2
6	Panel, Side	Insulation Assembly	30MP400556	2
7	Panel Assembly	30MP (17-80 Ton)	2008075455	2
8	Top Channel	Side	30MP500284	2
9	Panel Assembly	Compressor Housing	2004885492	2
10	Panel Assembly	30MP (50-75 Ton)	30MP500754	1
11	Panel, Top	Front	30MP500288	1
12	Panel, Top	Insulation Assembly	30MP400308	1
13	Panel, Corner	30MP	30MP502088	1
15	Fastener, Screw	—	AL56ZA003	133
19	Instructions	Sound Enclosure	30MP-7ASI	1
23	Label	Warning Label	2008065677	1

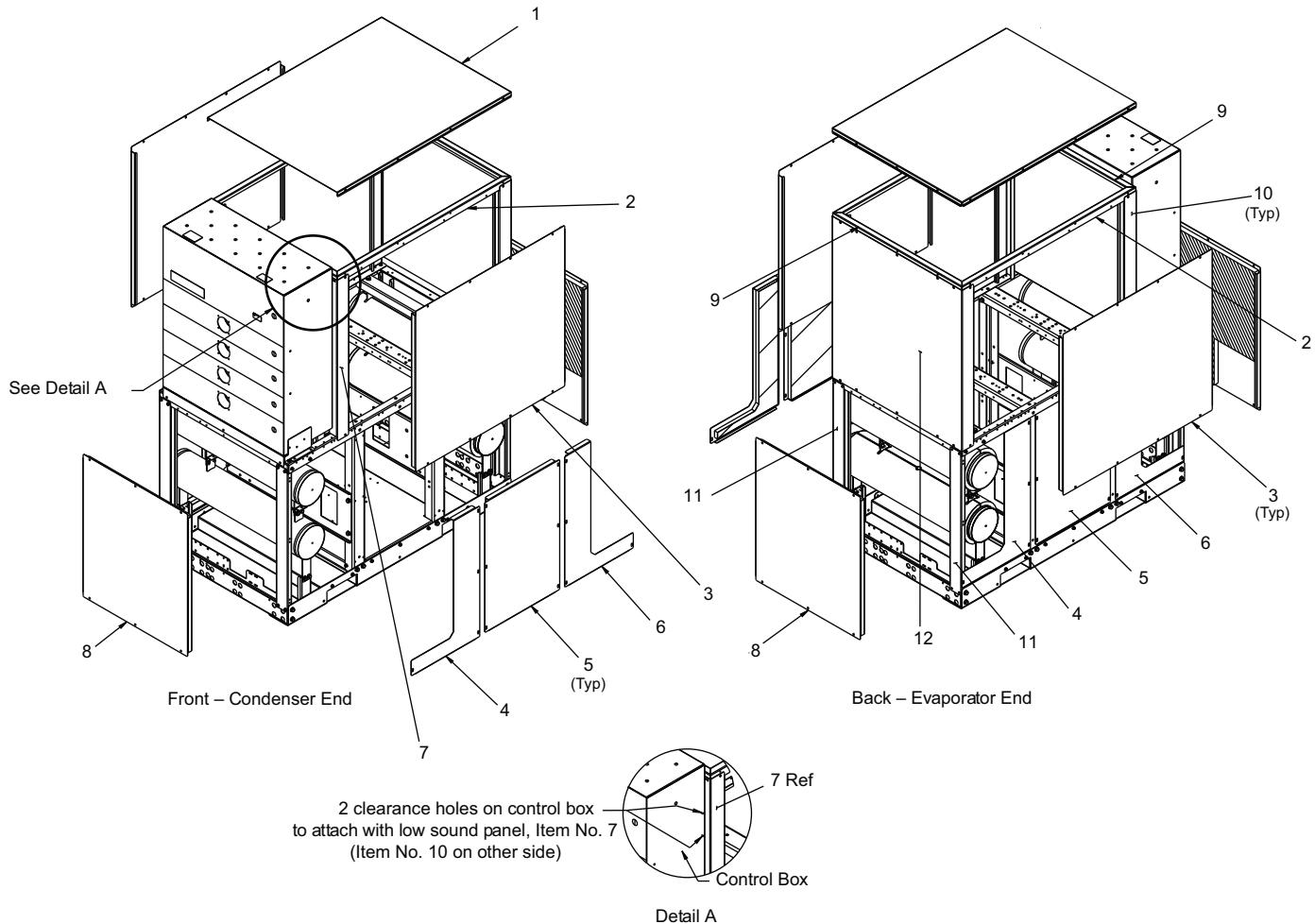


Fig. 2 — 30MPEA and MPEW Units

Table 3 — 30MP-900---022 Sound Enclosure Accessory Package Contents (30MPE Unit)

ITEM NO.	ITEM DESCRIPTION/LOCATION	PART NO.	QTY
1	Panel, Top	30MP501980	1
2	Channel, Top, Side	30MP501782	2
3	Panel, Side	30MP501784	2
4	Panel, Side, Front Right, Rear Left	30MP400556	2
5	Panel, Center, Insulation Assembly	30MP400293	2
6	Panel, Side, Front Left, Rear Right	30MP400555	2
7	Panel, Corner, Right Front	30MP501978	1
8	Panel, End, Lower	30MP401529	2
9	Channel, Top, Front, Back	30MP501981	2
10	Panel, Corner, Front Left	30MP501979	1
11	Post, Corner, Low Sound	30MP501209	4
12	Panel, End	30MP500754	1
—	Panel, Side	30MP400291 ^a	2
—	Screw, 1/4 AB - 14 X 5/8 in. (one each)	AL56ZA003	133

NOTE(S):

a. For 30MPE units used with 30MPA chillers, replace 30MP400556 (item 4) and 30MP400291 (item 6) with 30MP400291 on control panel end.

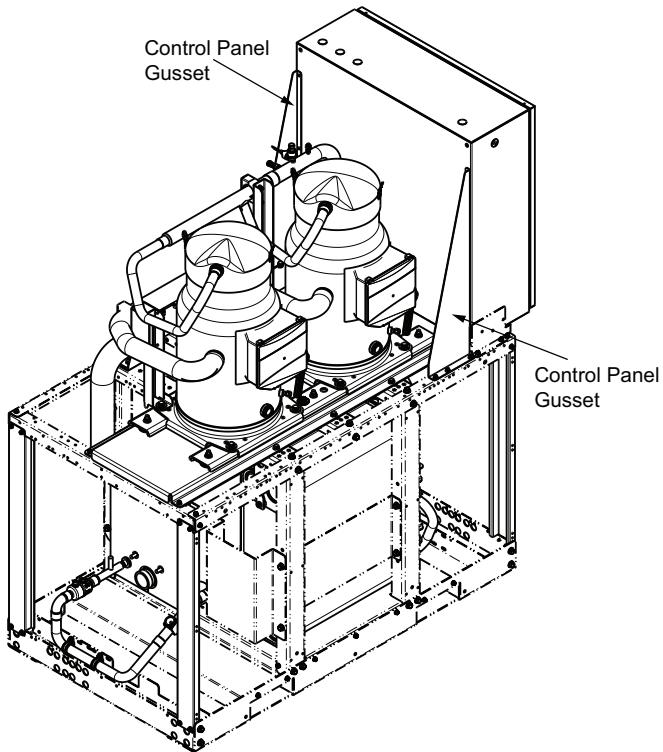


Fig. 3 — Control Box Gusset Removal

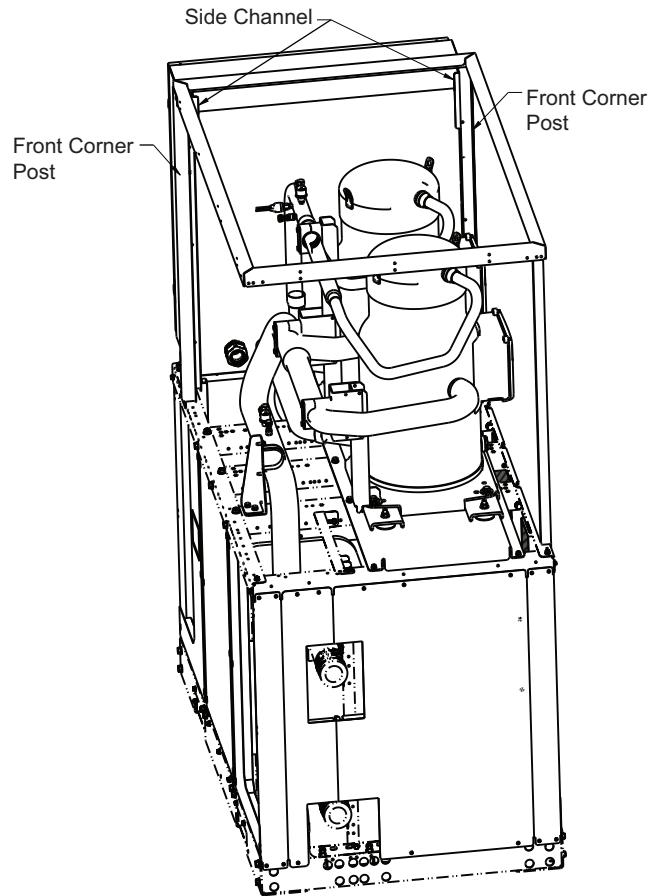


Fig. 5 — Channels and Posts (Front)

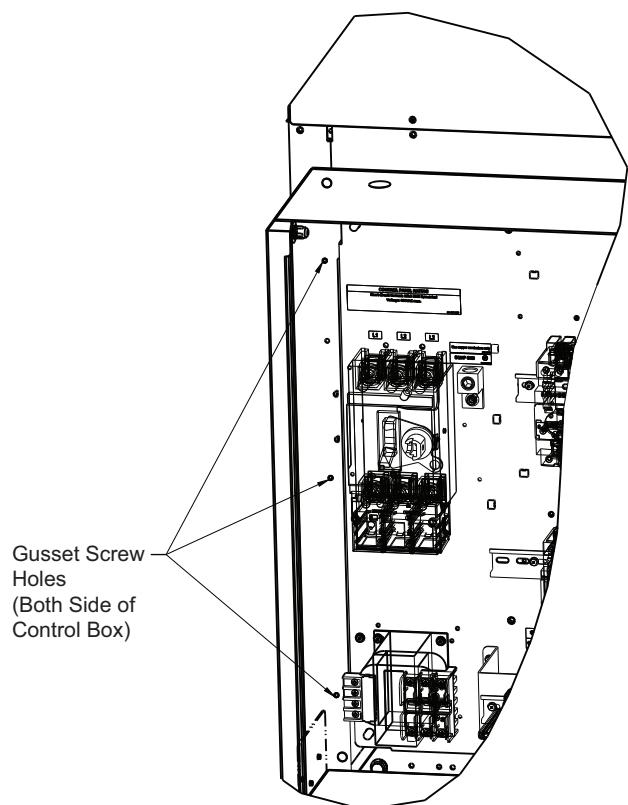


Fig. 4 — Upper Left, Gusset Screw Holes

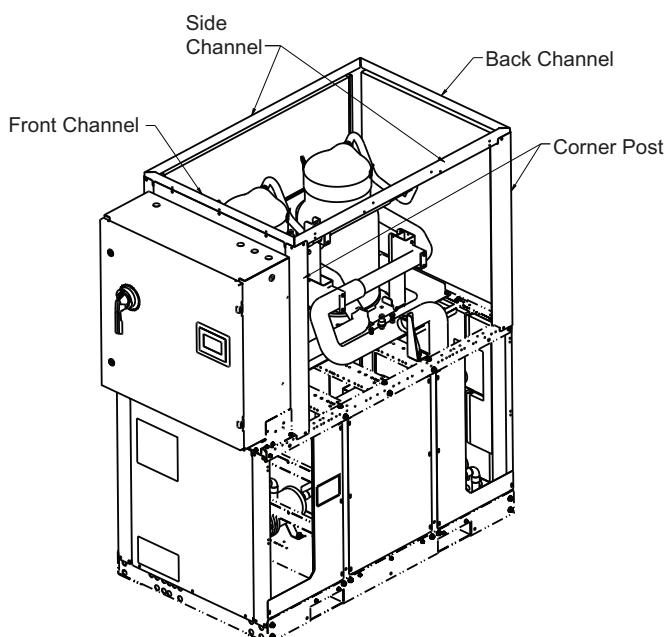


Fig. 6 — Channels and Posts (Side)

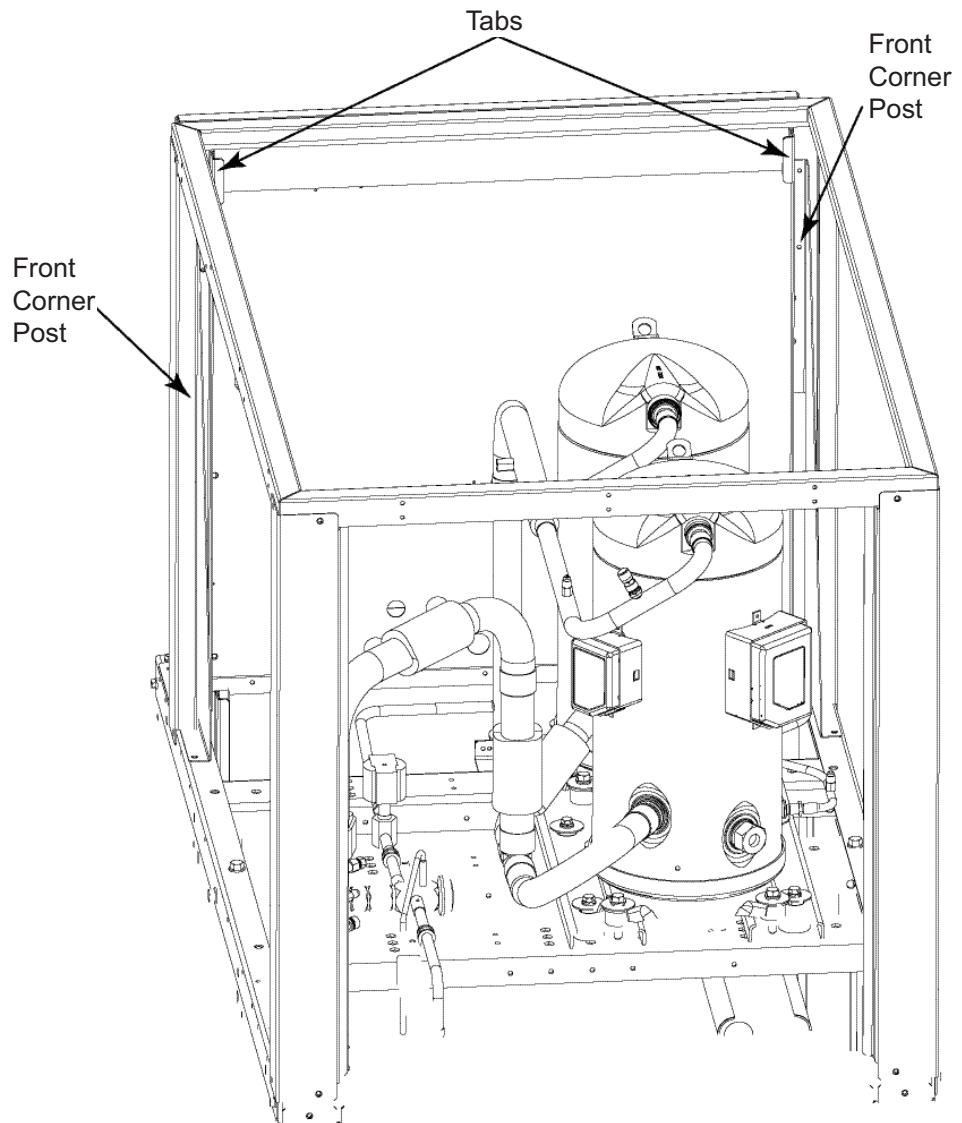


Fig. 7 — Tabs (Backside of Control Box View)

