

# INSTALLATION INSTRUCTIONS

## MANUFACTURED HOUSING INDOOR COILS FOR USE IN FED AIR HANDLERS

The intent of this document is to provide instruction to install Nortek Global HVAC indoor coils in FED model air handlers with electric heat (17" wide cabinet B and 21" wide cabinet C). For more information regarding indoor coils, please check installation instructions for C74XXX and C84XXX coils. These coils are for manufactured housing application only.

HUD Manufactured Home Construction and Safety Standard Section 3280.714, paragraph (a) and subparagraph (4) and (5) clearly specifies when a cooling or heat pump coil and air conditioner blower are installed with a furnace or heating appliance they shall be tested and listed in combination for heating and safety performance by a nationally recognized testing agency. Additionally, the HVAC equipment to be installed in Manufactured Housing shall be certified, listed, and rated based on US Department of Energy test procedures which are listed by AHRI and shall be tested and listed in combination for cooling, heating, and safety by a nationally recognized testing agency.

### C74 COIL KIT COMPONENTS

C74, 1044179, COIL SHELF KIT, 2T - 3T, FED AH			
MATERIAL	DESCRIPTION	QTY	UOM
104417701	Coil Bracket, Front/Back, 2 - 3T	2	EA
104417601	Coil Bracket, Sides, 2 - 3T	2	EA
1044181	Installation Instruction	1	EA
1040750	Indoor Coil Label	1	EA
600255	Screws For Brackets	8	EA
104418301Y	Close Off Door for C74 Coil, 2 - 3T	1	EA
1044215	Insulation For the Close Off Door	1	EA
688380	Door Gasket	1.35	FT

### C84 COIL KIT COMPONENTS

C84, 1044180, COIL SHELF KIT, 3.5T - 4T, FED AH			
MATERIAL	DESCRIPTION	QTY	UOM
104417702	Coil Bracket, Front/Back, 3.5 - 4T	2	EA
104417602	Coil Bracket, Sides, 3.5 - 4T	2	EA
1044181	Installation Instruction	1	EA
1040750	Indoor Coil Label	1	EA
600255	Screws For Brackets	8	EA
104418401Y	C84 Refrigerant Line Close Off Door, 3.5 - 4T	1	EA
1044216	Insulation For the Close Off Door	1	EA
688380	Door Gasket	1.15	FT
600389	Self-Tap Screws	3	EA

## INSTALLATION INSTRUCTION:

### Follow the next steps to install C74 and C84 indoor coils into the air handlers:

1. Screw in the side brackets from outside the air handler. Use the dimples on cabinet exterior or the existing holes to properly position the side brackets (Figure 1).

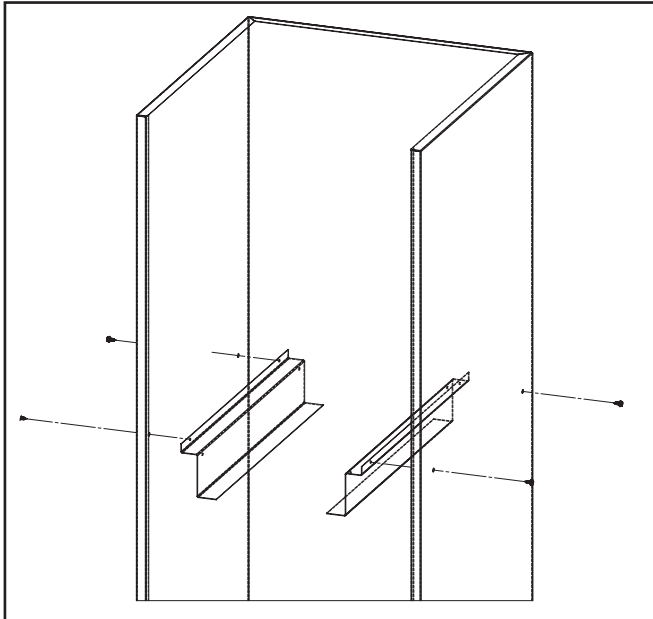


Figure 1.

2. Screw in the front and back brackets from inside the cabinet to the side brackets (Figures 2 & 3).

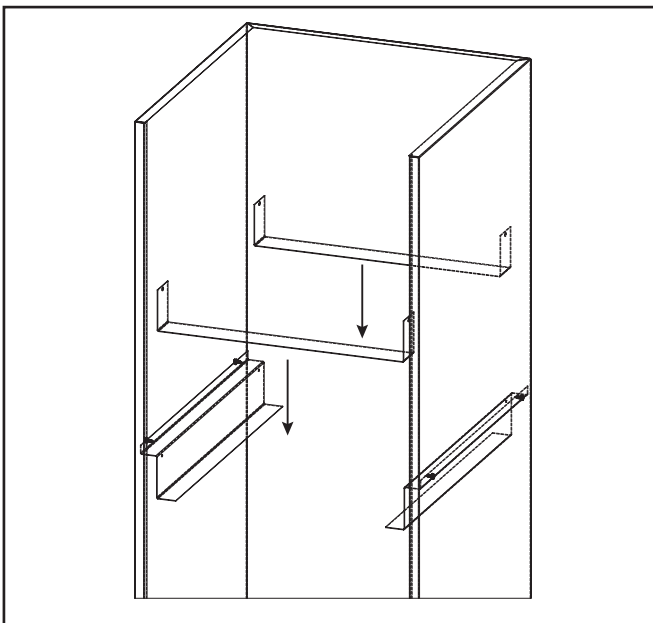


Figure 2.

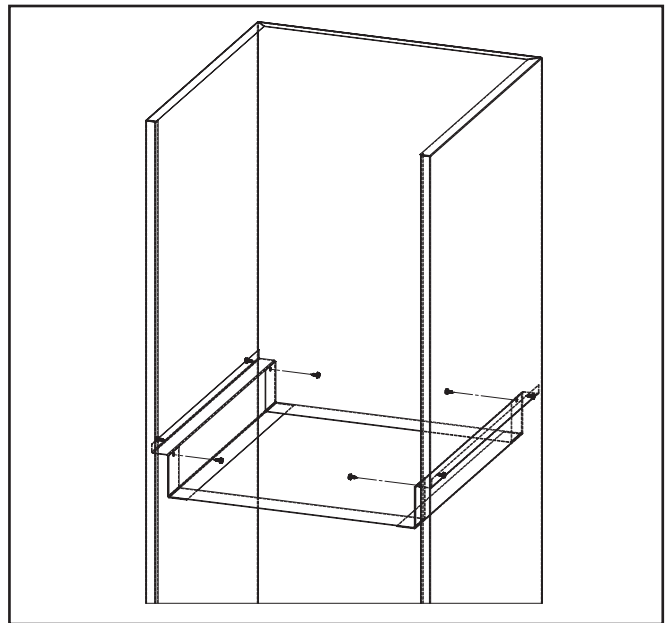


Figure 3.

3. Slide the indoor coil into the air handler, and make sure it sits on the top of brackets (Figures 4 & 5).

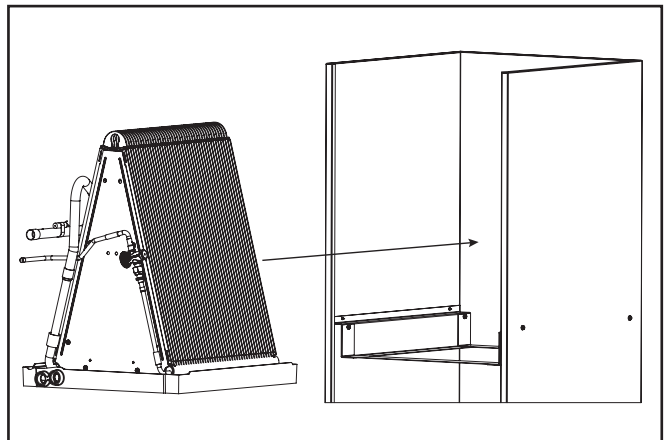


Figure 4.

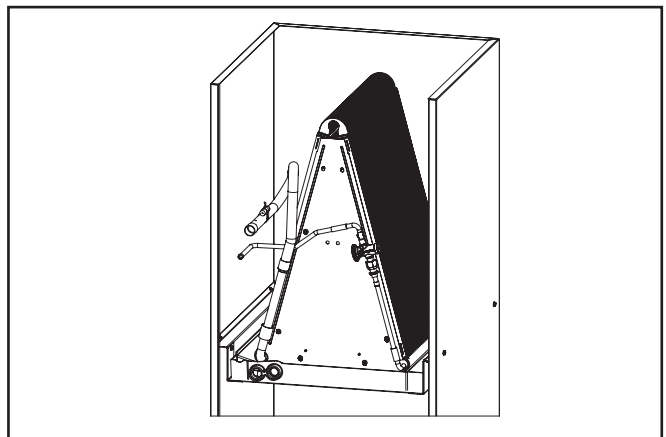
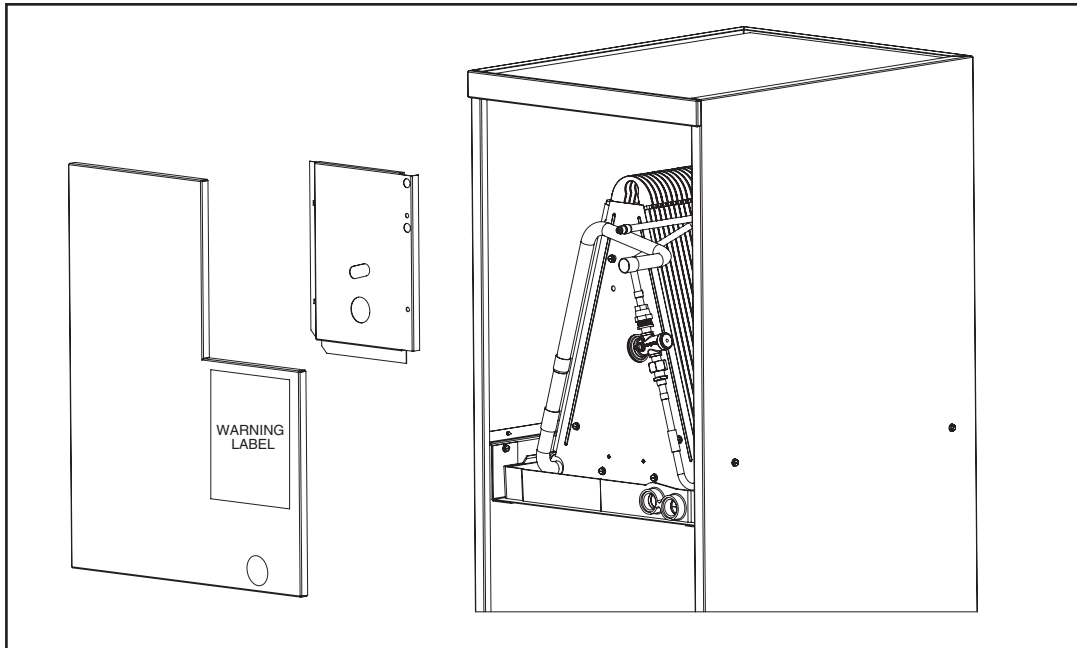


Figure 5.

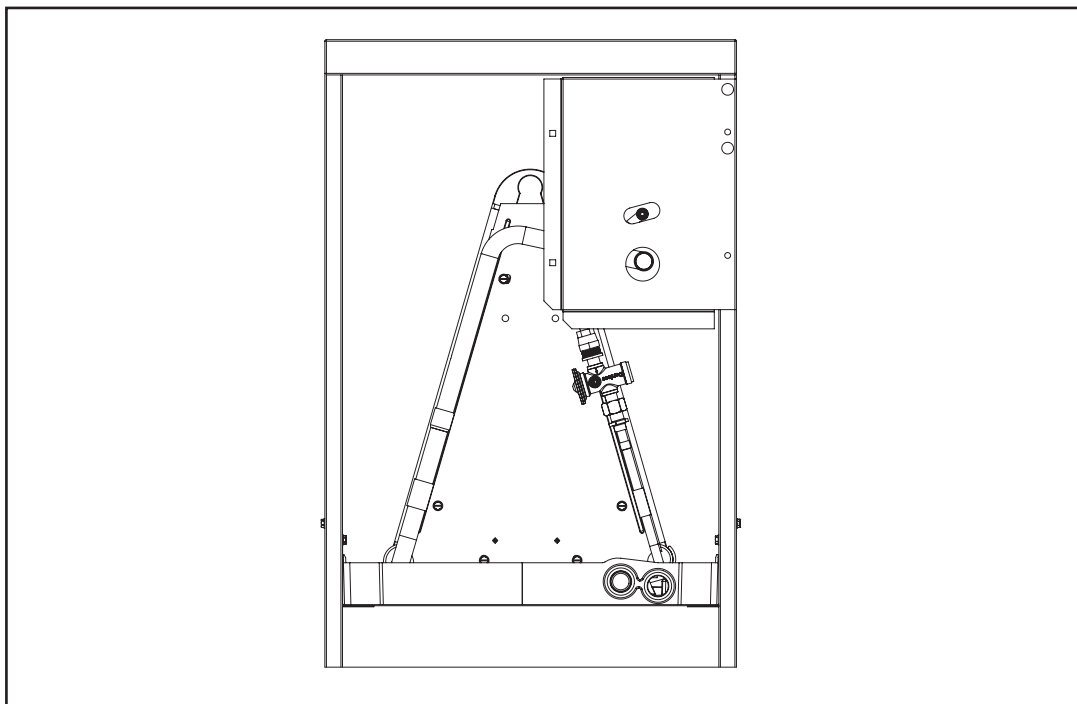
### C74 Coil

After indoor coil is installed inside the air handler cabinet, apply the insulation material provided in the kit to the inside of close off door, make holes in the insulation as needed for copper tubes before gluing it to the close off door. Pass the copper tubing through the hole of the close off door provided in the kit as shown below and secure it with screws and plastic nuts from the existing air handler close off door.

Braze the TXV, suction and liquid lines. Install the TXV bulb on the horizontal part of suction line (if needed it can be installed on the suction line outside the cabinet). At the end, wrap the bulb with insulation material. Refrigerant piping is critical on any coil installation. For proper piping design considerations, refer to the installation instruction for indoor coil and condensing unit being used. (Figures 6 & 7)

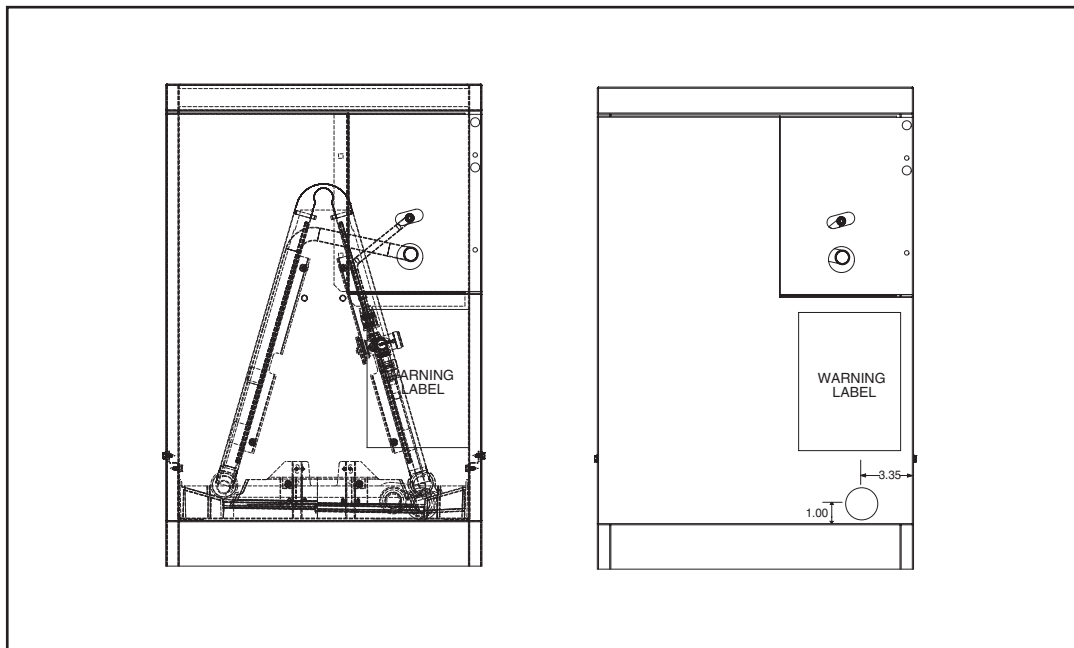


**Figure 6.**



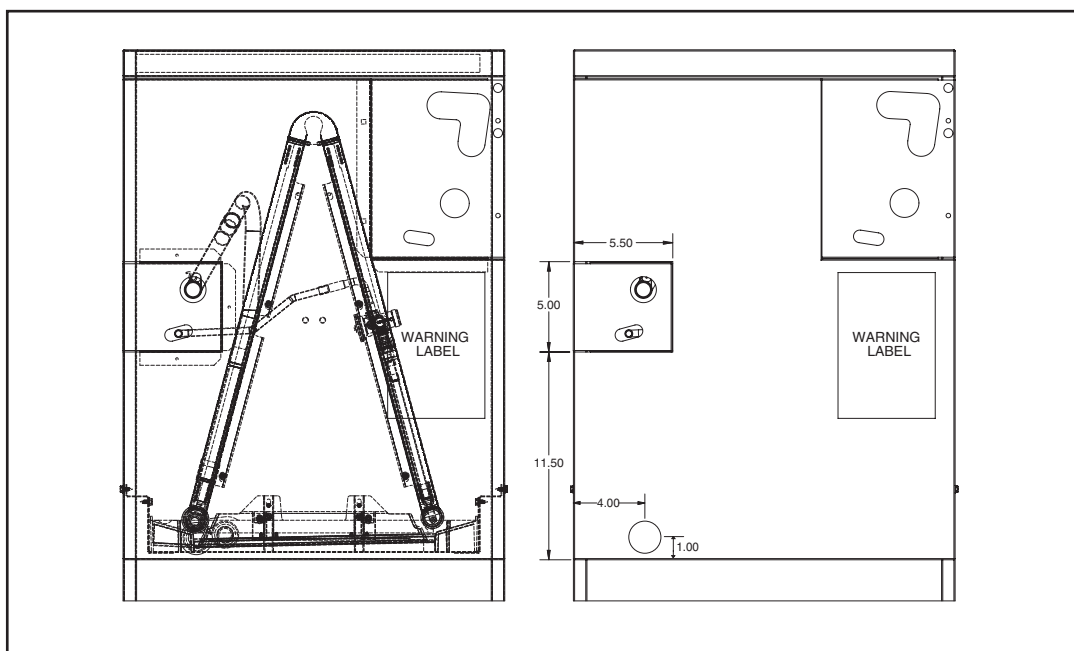
**Figure 7.**

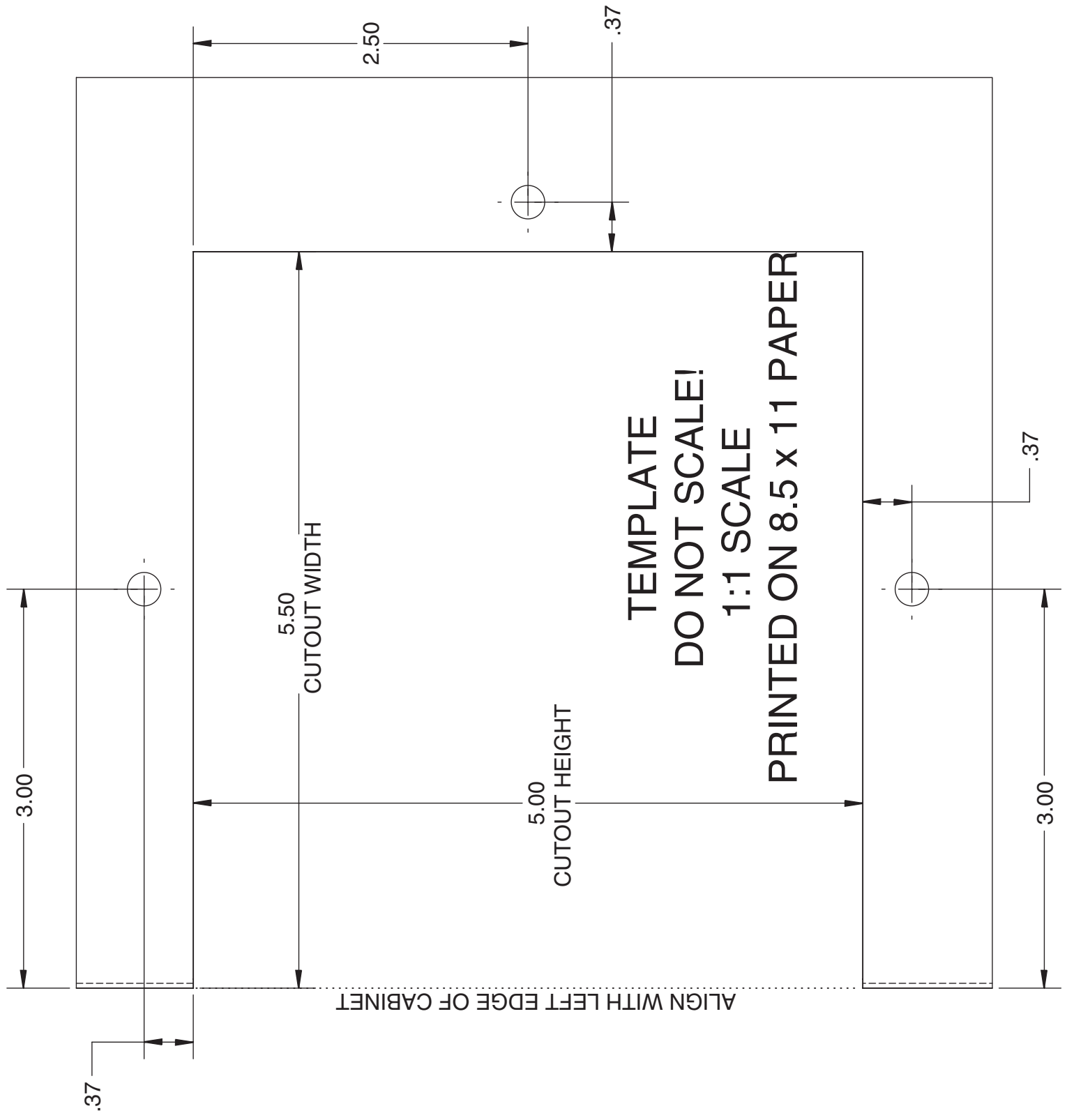
Make a hole for drain line in the air handler main door and pass the drainpipe through it. Dimensions for the estimated location of drain line hole is shown in the picture below.

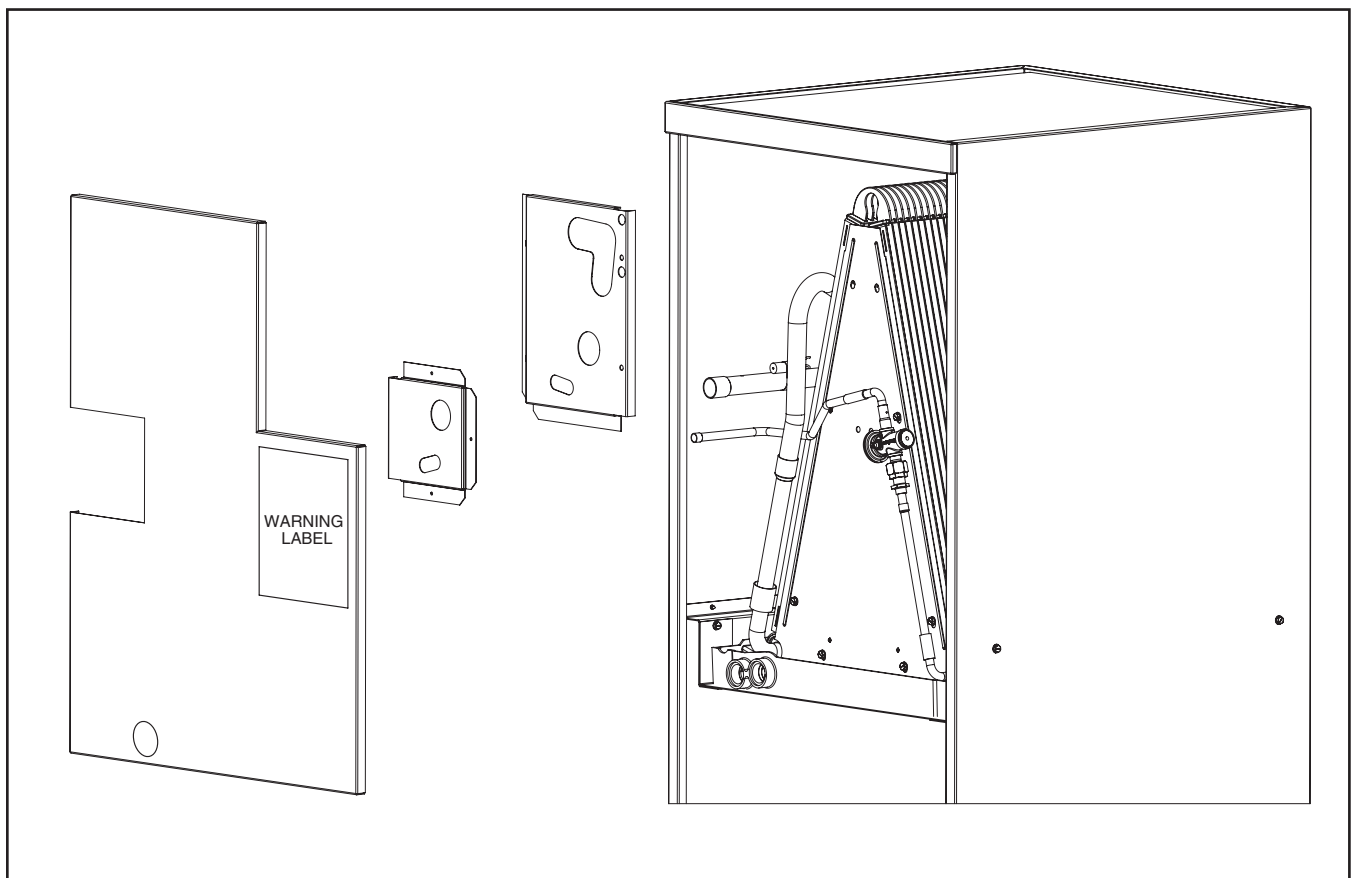


### C84 coil

After indoor coil is installed inside the air handler cabinet, rotate the whole door 180 degrees clockwise and install existing close off door on the unit. Cut a 5" x 5.5" square hole as shown below for suction and liquid lines. For size of square cut out and holes locations, please use the template provided on page 5.







Pass the copper tubing through the close off door from the kit. Apply the gasket provided to seal the close of door for any possible leaks and screw it to the main door with self-tap screws provided in the kit, use the drawing shown below for locating holes' locations. Braze the TXV, suction and liquid lines. Install the TXV bulb on the horizontal part of suction line (if needed it can be installed on the suction line outside the cabinet). At the end, wrap the bulb with insulation material. Refrigerant piping is critical on any coil installation. For proper piping design considerations, refer to the installation instruction for indoor coil and condensing unit being used.



