



Walk-In Installation & Operation Manual

Attention: Please read this manual carefully before attempting to install or operate Coldrite equipment.

Manufactured By: Coldrite Refrigeration & Manufacturing Inc.

407 W. Gardena Blvd. Gardena, CA 90248

Office: (310) 604-1111

info@coldritewalkins.com

<http://www.coldritewalkins.com>

TABLE OF CONTENTS

I.	PREPARATION (p. 3 - 5)
II.	FLOOR (p. 5 - 6)
III.	FLOOR ANCHORING (p. 6)
IV.	FLOORLESS WALK-INS (p. 6 - 7)
V.	WALL PANELS (p. 7)
VI.	DOOR (p. 7 - 8)
VII.	CEILING PANELS (p. 8 -9)
VIII.	CEILING SUPPORT (p. 9)
IX.	WIRING DIAGRAMS (p. 10 - 13)
	EVAPORATOR DRAIN LINE (p. 14)
	SUSPENDING CEILING PANEL CONNECTION (p. 15)

Installation Instructions

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION PROCESS.

INSTALLATION PERSONNEL REQUIREMENT

Two-Person Minimum Installation Requirement



All Coldrite walk-in cooler, freezer, and storage boxes must be installed by a minimum of **two (2) qualified persons** at all times. Due to the size, weight, and handling requirements of walk-in panels, doors, ceilings, and other components, a two-person installation is required to ensure proper assembly, alignment, and safe handling of the equipment.

Warranty Requirement:

Failure to comply with this two-person minimum installation requirement will **void all Coldrite manufacturer warranties** associated with the walk-in box, including coverage for panels, doors, hardware, structural components, and installation-related failures or damage.

Coldrite specifically advises against the installation of any walk-in box by a single individual. Any damage, misalignment, deformation, hardware failure, or other issue resulting from single-person installation will not be considered a manufacturing defect and will be the responsibility of the installer.

By proceeding with installation, the installer acknowledges and agrees to comply with Coldrite's minimum two-person installation requirement.

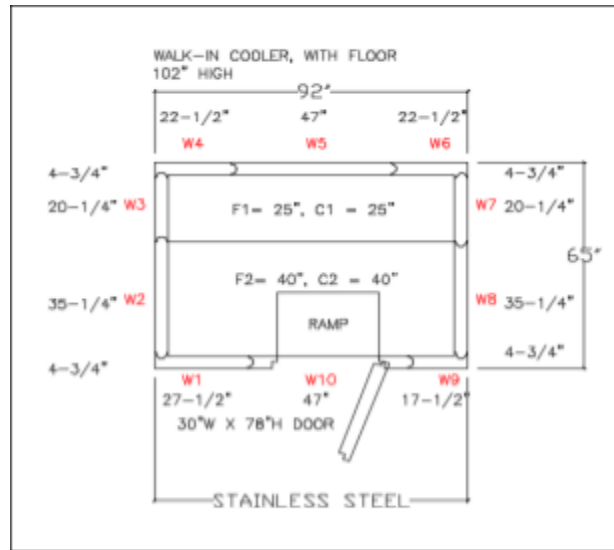
IMPORTANT: If additional personnel are required due to site conditions, panel size, access limitations, or other installation requirements, the installer is responsible for providing sufficient qualified personnel to safely complete the installation.

Failure to follow these installation requirements may result in immediate warranty denial.

I. PREPARATION:

- ▶ Locate and separate the panels by grouping them into ceilings, walls, and floors. Panels are labeled with C (ceiling), W (wall), and F (floor). **See Figure 1 below.**

Figure 1



- Locate the installation package and make sure the following is included:

- Installation drawing
- Cam plugs
- Cam-lock wrench
- NSF silicon
- NSF caulking
- Anchor
- Screws
- Cove base
- Verticals
- Wall brackets

Note: Please check the shipping list for other materials that are provided, but not listed on this sheet.

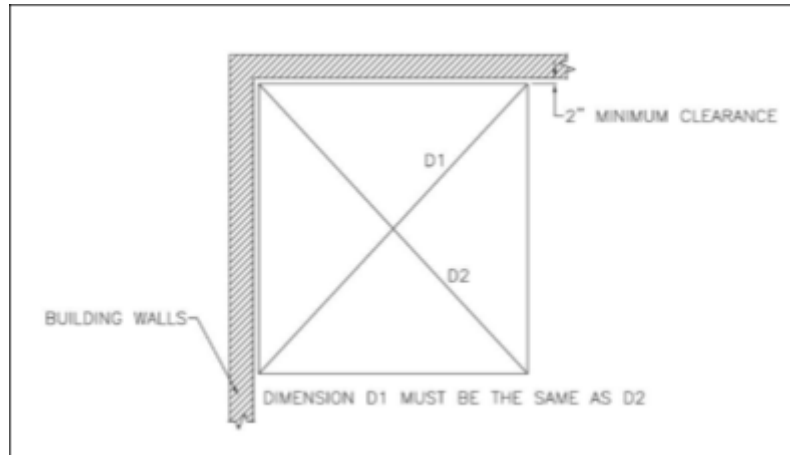
- Grab the following tools. (Not provided by Coldrite)

- Basic construction tools
- Caulk gun
- Power drill
- Carpenter level

CHECK THE FOLLOWING BEFORE PROCEEDING ANY FURTHER.

- **Clearance:** Please ensure there is proper clearance where the box will be installed. There should be a minimum of 2" clearance around the exterior of the panels and enough clearance for the door swing. This clearance is needed for air circulation to help prevent moisture condensation. See Figure 2 below.

Figure 2



- **Order:** Please follow this order when installing the designated units.
 - Floored Units: (1) Floors, (2) Walls, (3) Doors, (4) Ceilings
 - Floor-Less Units: (1) Walls, (2) Doors, (3) Ceilings
- **Caulking:** Caulking and silicone will be provided for both freezers and coolers. (Inside Seal)
 - Freezer Application: Apply caulking between panels before locking them and placing cove base.
 - Cooler Application (Optional): Apply caulking before placing cove base.

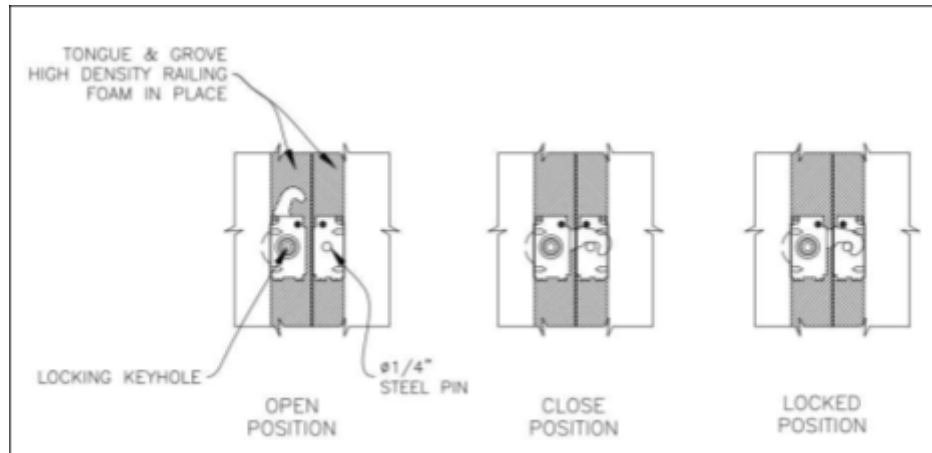
II. **FLOOR:**

Floored Units

1. Use a chalk line to measure and mark the box location on the floor.
2. Lay 4-mil polyethylene (supplied by others) in between the floor panels and the existing floor. This moisture barrier must be overlapped at least six inches at the joints.
Note: If the surface is not leveled, then the floor must be leveled using a leveling bed or install shims under the corners and across the panel joints. (Supplied by others)
3. Lay the F1 floor panel onto the designated location on the floor plan drawing provided. (Caulk as needed)
4. Lay the F2 floor panel and fit the male side of the F1 panel into the female side of the F2 panel.
5. Now that both ends are aligned, you can insert the cam wrench into the center hole of the F1 panel.
6. Turn the cam wrench clockwise until you reach a stop. **Do not** force it pass the stop.
7. Lock the remaining cams and go to the next panels until all floor panels are assembled.

See Figure 3 below.

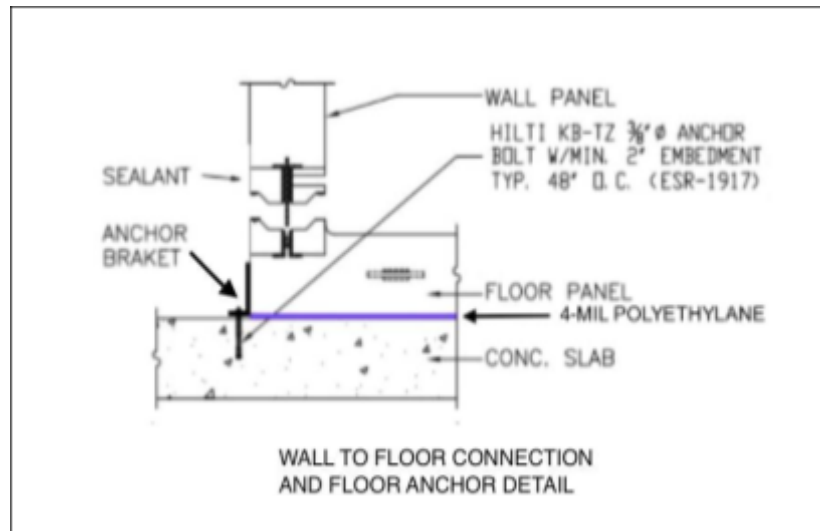
Figure 3



III. FLOOR ANCHORING:

After the floor is installed, you will need to anchor down the floors to the concrete slab.
See **Figure 4** below.

Figure 4



IV. FLOORLESS WALK-INS

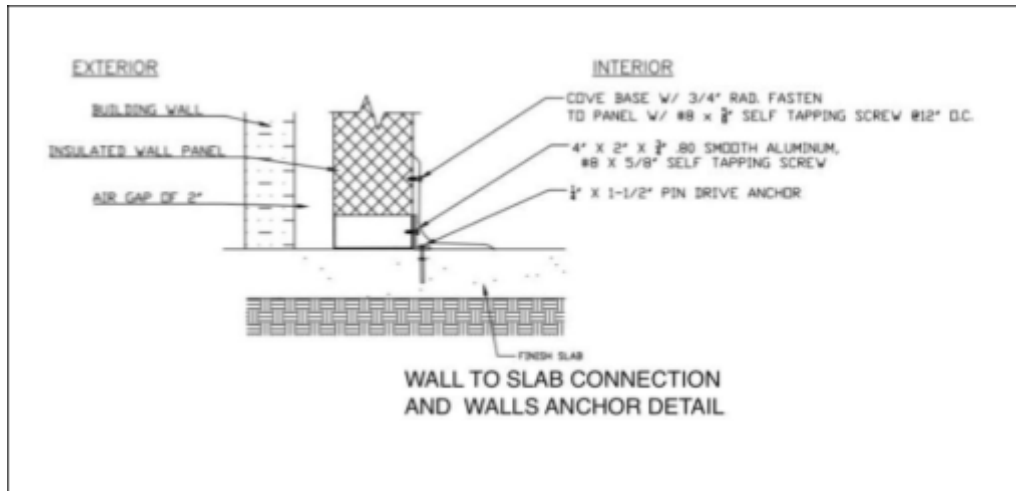
Leveling Walk-Ins Without Floors

Floorless walk-ins will be attached directly to the existing floor. If the surface is not leveled, then place shims under the panel and anchor the walls to the concrete slab.

Note: The wall bracket, anchor, and screw will be provided by Coldrite.

See **Figure 5** below.

Figure 5



V. WALL PANELS

1. Locate the corner wall and the adjacent wall panel to the corner.
2. On *Floored Units* place the male bottom of the wall panel into the female groove of the floor panel. On *Floor-Less Units*, slide the panels into the pre-installed screeding.
3. Once the panel is inserted correctly, install the adjacent wall panel with corner panel by aligning the male edge with female edge.
4. Make sure that the top edges and sides of the wall panels are flush.
5. Use the cam wrench to insert it into the center hole and turn it clockwise until you reach a stop; do not force past stop. (Turn the cam wrench counterclockwise for panels with cam locks on the left side.)
Note: Do not lock panels into the floor until all wall and ceiling panels have been locked together.
6. Keep installing wall panels by alternating from lowest wall number to highest wall number.

Note for Combination Units: First install the section with floor, making sure to install the center wall before continuing into floorless (cooler) section.

VI. DOOR

1. Locate where door(s) will be installed.
2. Install adjacent wall panel with door frame panel.
3. When both ends are aligned, insert the cam wrench into the center hole and turn the wrench clockwise.
4. Continue with the adjacent wall on the other side of the door frame.
5. Finish installing all wall panels and doors.

Note: If the door sags, make sure the floor is leveled. If not, shave under as needed to correct the door leg and line up. See **Figure 6** below.

Figure 6

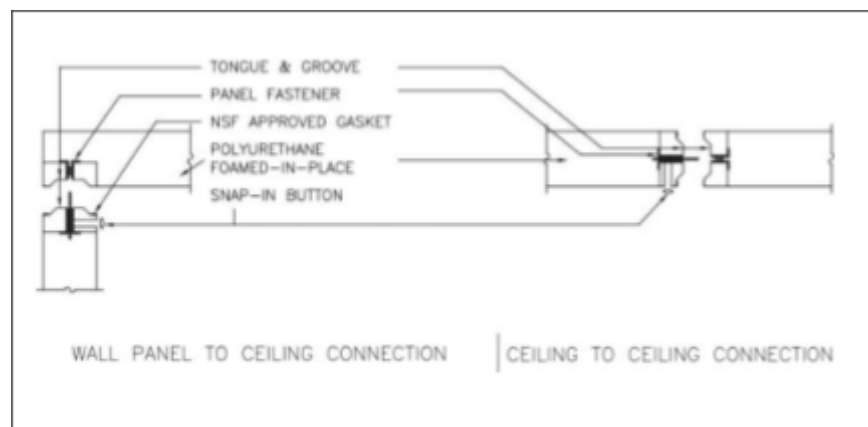


Now, anchor down each leg of the door jam with the same method as the walls.
Refer to Figure 5.

VII. CEILING PANELS

1. Place C1 ceiling panel in the designated location according to the drawing.
 2. Lock all cams.
 3. Locate C2 panel and place it into location so the male side of C1 fits into the female side of C2.
 4. Line up both ends and lock all cams.
 5. Continue installing ceiling panels from smallest number to largest number.
- See Figure 7 below.**

Figure 7



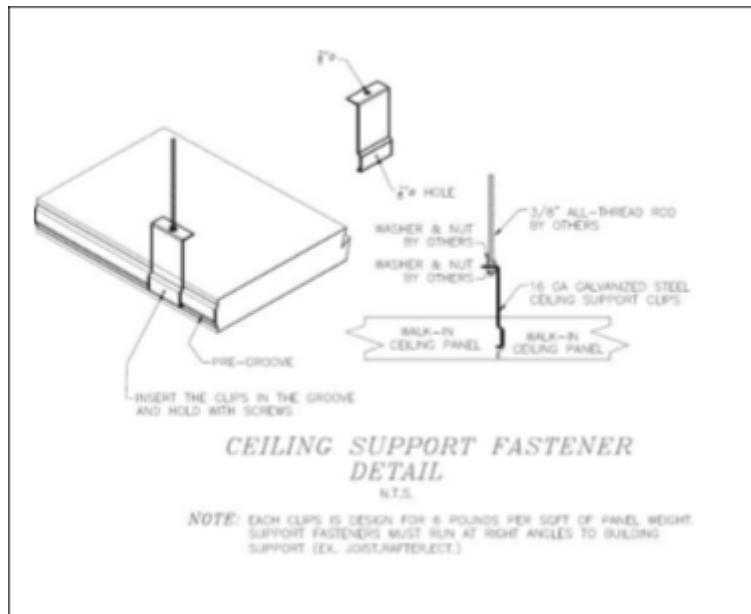
TAKE NOTE OF THIS IF THE FOLLOWING OCCURS.

- ▶ If the floors are uneven, then the ceilings will either be slightly bigger or smaller than the wall panels. You will just need to split the difference.
- ▶ If the ceiling overhangs the walls, then check to see if the walls are racked at the top or if the walls are leveled at the top.
 - If walls are racked at the top...then loosen the wall cams and adjust the walls, so the tops of the walls line up.
 - If walls are leveled at the top... then loosen the corner wall panel and bump out the wall panel to line up with the outer edge of the ceiling. Now, lock the ceiling to the wall and re-lock the corner seam.
- ▶ If the ceiling panels will not pull down to lock into the walls, unlock from floor, lock ceiling panels, and re-lock walls to floor.

VIII. CEILING SUPPORT

1. Drill and fasten the ceiling support bracket to the male cam.
2. Lock the ceiling into place.
3. Hang all the tread rod up from the attached bracket to support the beam.
See **Figure 8** below.

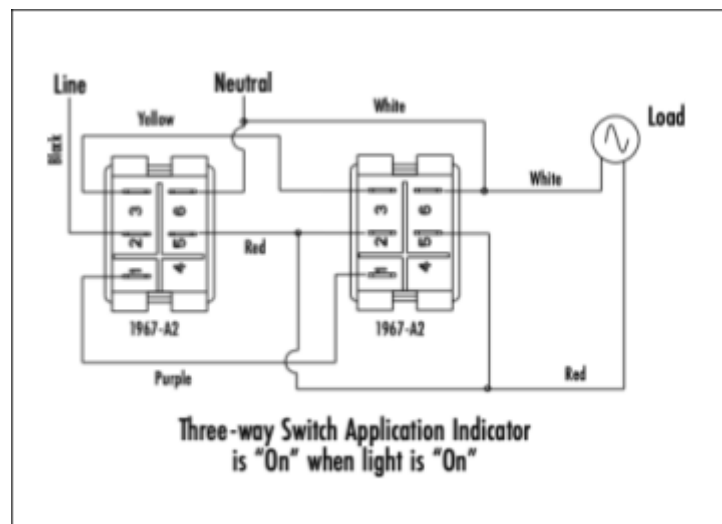
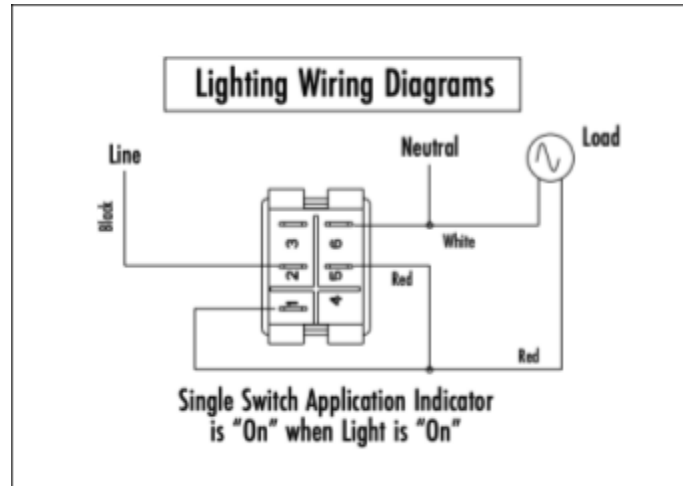
Figure 8



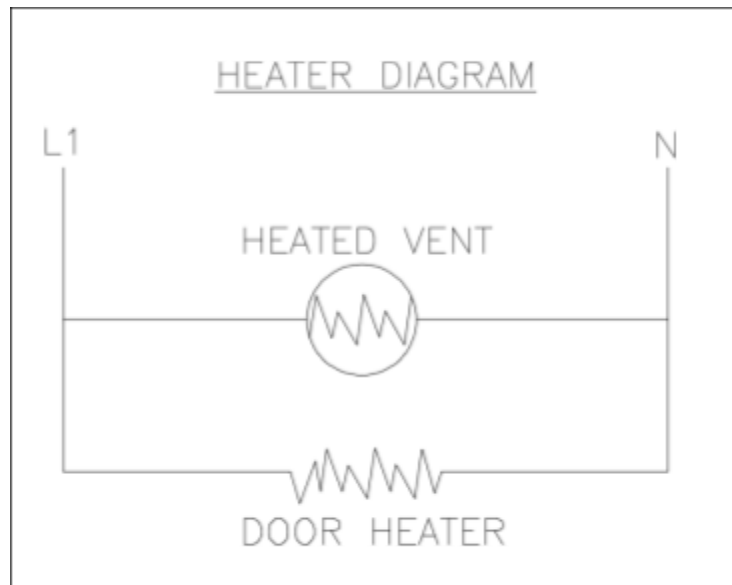
Note: In order to complete the installation of the walk-in cooler, you must install cove base and vertical metal between the building and wall panels. Be sure you seal all joints, cove base, and moldings to prevent air leaks.

IX. [WIRING DIAGRAMS](#)

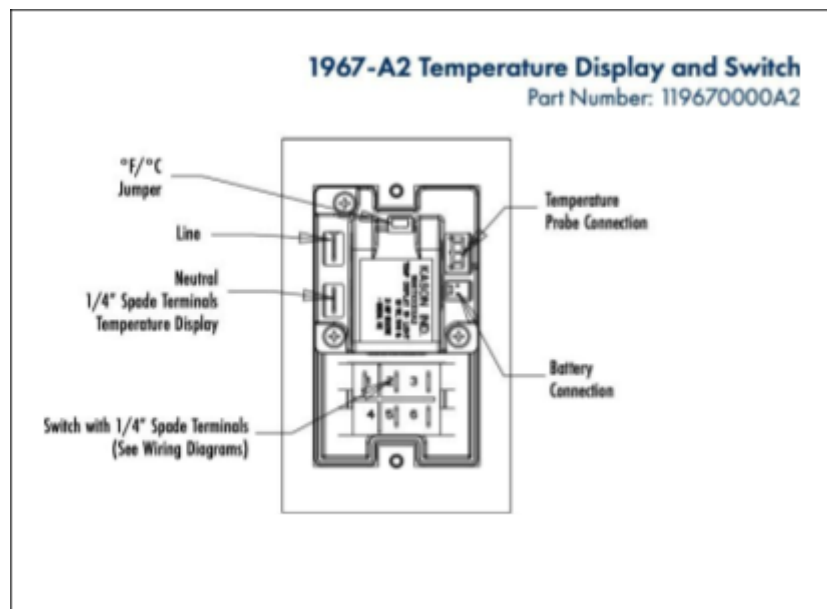
A. *LIGHTING / SWITCH WIRING DIAGRAMS*



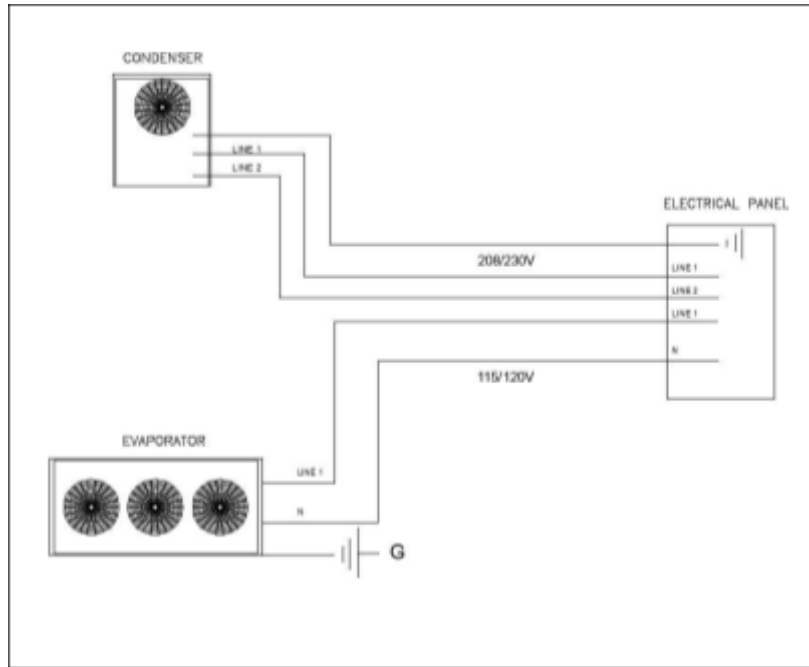
B. HEATER DIAGRAM



C. KASON TEMPERATURE DISPLAY AND SWITCH WIRING DIAGRAMS

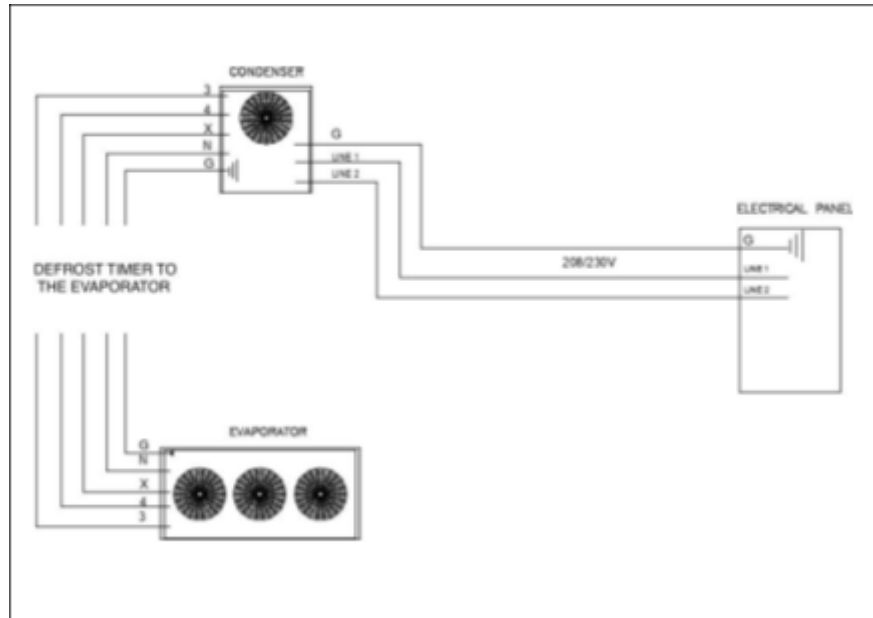


D. WALK-IN COOLER WIRING DIAGRAM

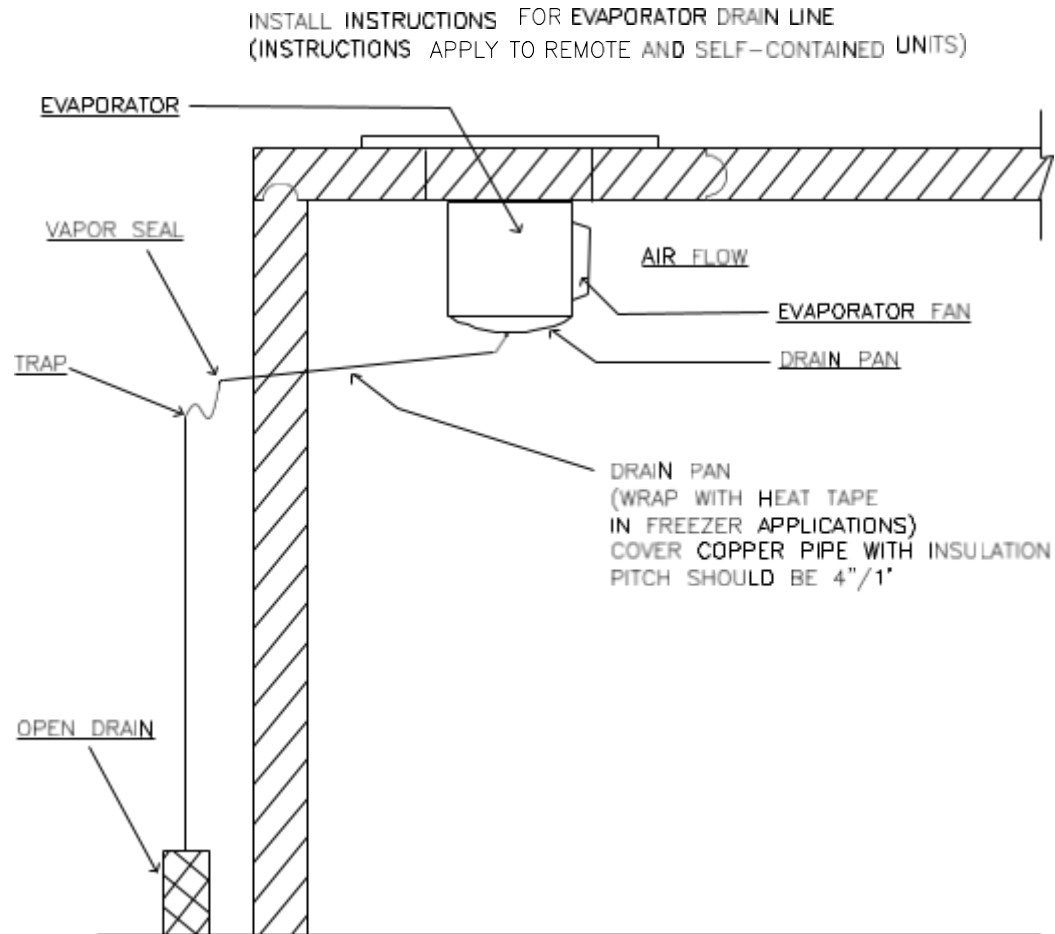


Note: For unit voltage and wire gage, please see the unit label for specifications.

E. WALK-IN FREEZER WIRING DIAGRAM



Note: For unit voltage and wire gage, please see the unit label for specifications.



NOTE: DRAIN PIPE SIZES VARY (SEE FACTORY SPECIFICATIONS)

**COLDRITE
WALK-INS**

407 W. Gardena Blvd.
Gardena, CA 90248
Office: (310) 604-1111
Fax: (310) 60-1113
www.coldritewalkins.com

INSTALL INSTRUCTIONS FOR EVAPORATOR DRAIN LINE
(INSTRUCTIONS
UNITS) APPLY TO REMOTE AND SELF-CONTAINED

Approved by:

NSF

PLAN VIEW SHEET

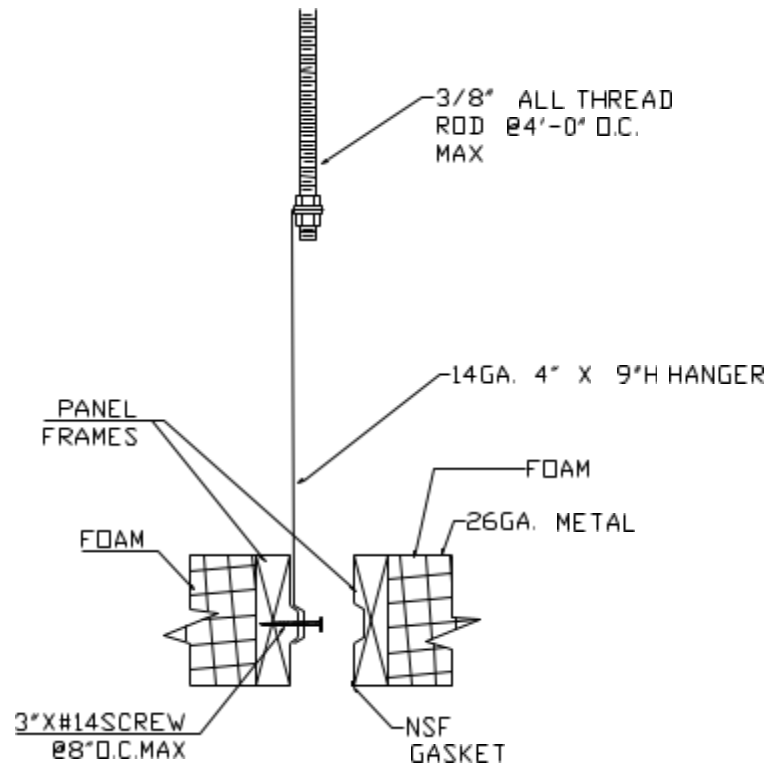
DRAWING #

1 OF 1

DATE:

08/07/24

EXTERIOR



INTERIOR

**COLDRITE
WALK-INS**

407 W. Gardena Blvd.
Gardena, CA 90248
Office: (310) 604-1111
Fax: (310) 604-1113
www.coldritewalkins.com

SUSPENDED CEILING PANEL CONNECTION

Approved by:

NSF

PLAN VIEW SHEET

DRAWING #

1 OF 1

DATE:

10/03/24