W6
F2
W7
W5
F1
W4
W16
W8
W3
W9
D2
W2
W10
C4
C3
C2
C1
W15
W1
W11
W12
D1
W13
W14

Floor panels

This section is applicable only if your walk-in has a floor. If not, proceed with next section.

These are probably the most important panels you will install. To install the floor panels, follow the procedure described below:

1. Lay out the outside dimensions of cooler or freezer with a chalk line on surface being used.

2. Find the high point of this area (on walk-in larger than 10' x 10', it is advisable that a transit be used to level the floor rather than a spirit level). The entire floor area must be leveled from this highest point. A fairly simple method for leveling the floor is with wooden supports and shims.

IMPORTANT: Levelness of the walk-in floor is critical. If the floor is not level, vertical panels cannot be aligned properly.

3. If floor design includes optional sleeper strips, lay strips provided perpendicular to the prefabricated floor panels (across floor panel joints) approximately 16" on center (see figure 1). Appropriate spacing is indicated in the shop drawings.
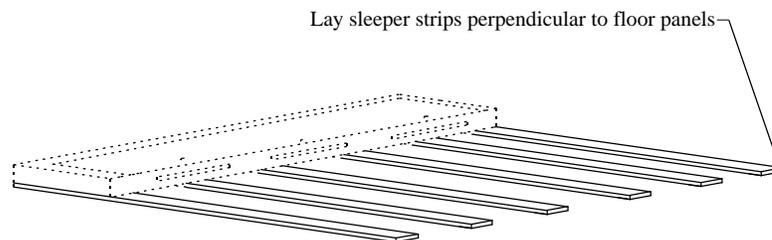
Lay sleeper strips perpendicular to floor panels

Figure 1 - Laying Out The Sleepers

4. Place a bead of latex caulking between each floor panel before cam-locking together. Flush the top and end of each panel as to ensure the panels themselves are level (see figure 2 and 3).
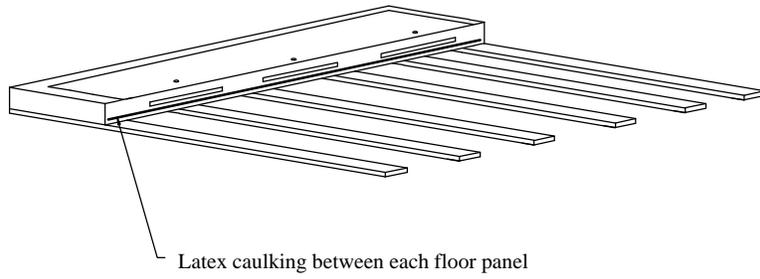
IMPORTANT: Make sure the measurements are square.

Latex caulking between each floor panel

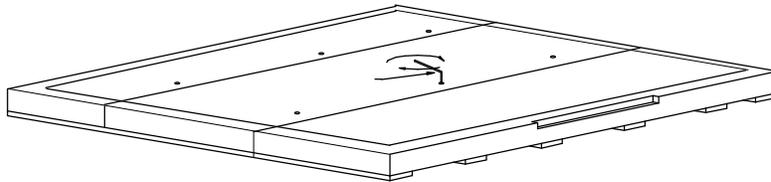**Figure 2 - Laying out the floor panels**

Figure 3 - Cam-Locking Floor Panels Together

Wall Panels

Before installing any wall panel, install the angle screed on the floor surface as shown on figure 4. Measure in half the distance of the wall thickness and install the 3/4" x 1" angle screed. Place the angle facing toward the inside of the walk-in with the 1" leg down. Fasten angle screed to floor surface holding angle back approximately 1ft. from corners and any door opening. If walk-in is a freezer using no prefabricated floor and a swing door, make sure the floor surface is notched in accordance to drawings specification to accommodate a freezer door heat cable.
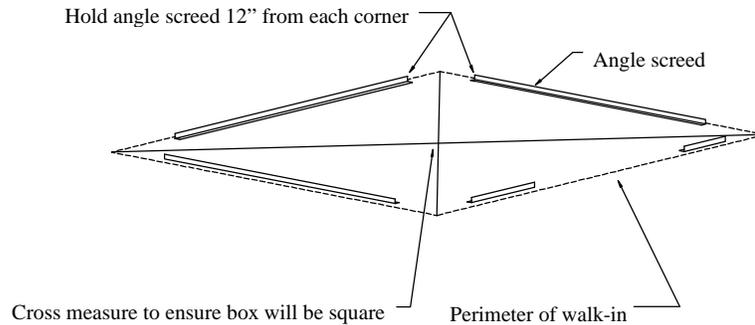
Hold angle screed 12" from each corner

Angle screed

Cross measure to ensure box will be square

Perimeter of walk-in

Figure 4a - Installing Angle Screed On Building Floor

Wall panels are now to be installed on top of the prefabricated floor. If the walk-in does not have a prefabricated floor, lay out the outside dimensions of walk-in with a chalk line on surface being used (see figure 3).

The bottom edge of wall panels is generally inserted on top of a angle screed. The angle screed is not to be used if floor is cam-lock. In some rare cases, cam-lock screed may be used.
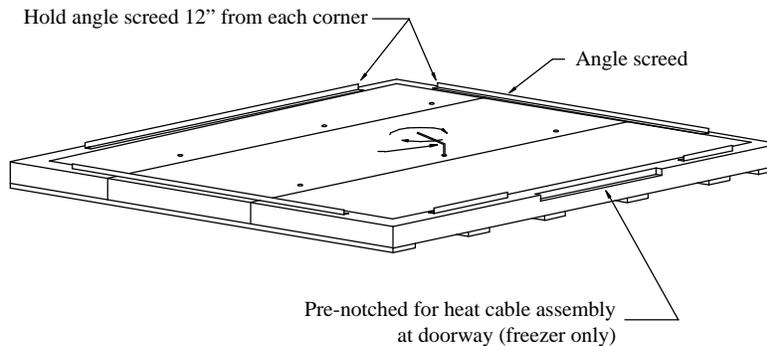
Hold angle screed 12" from each corner

Angle screed

Pre-notched for heat cable assembly at doorway (freezer only)

Figure 4b - Installing Angle Screed On Prefabricated Floor

2. Place a heavy bead of latex caulking on the outside of the angle screed (see figure 5).

Interior   **Exterior**

Wall panel

Angle screed

EQ.   EQ.

Caulking

Floor panel
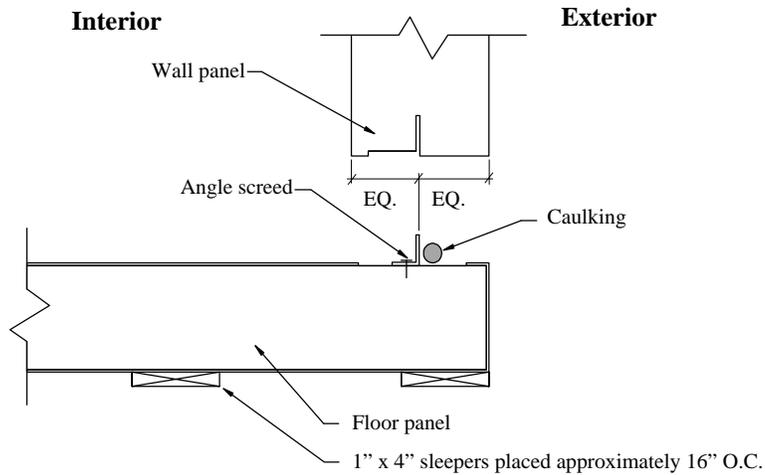
1" x 4" sleepers placed approximately 16" O.C.

Figure 5 - Wall To Floor Assembly

3. Begin installing the wall panels starting with a corner panel and working in an outwardly direction (see figure 6).
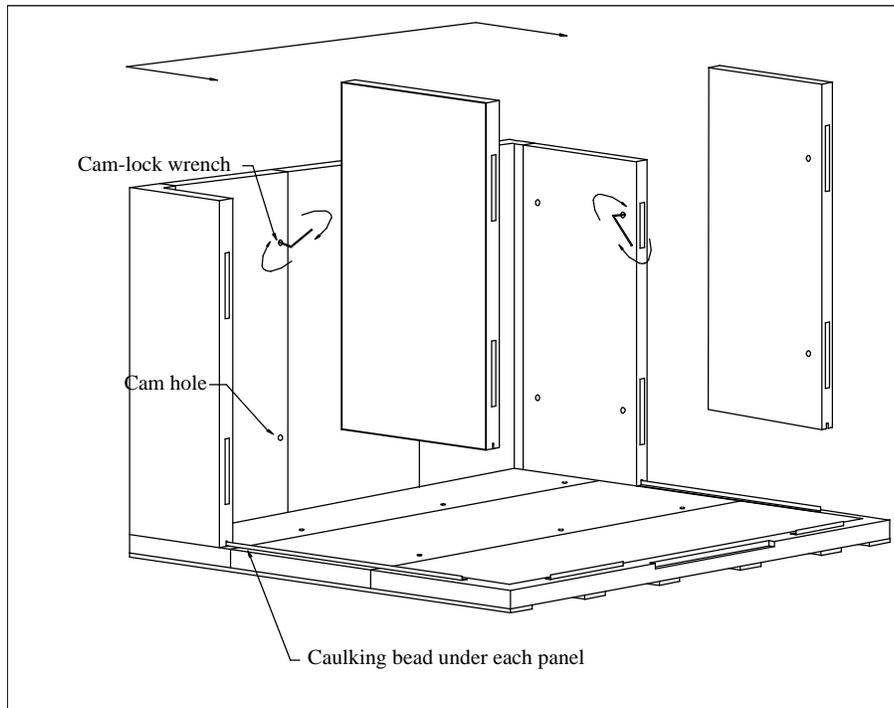
Cam-lock wrench

Cam hole

Caulking bead under each panel

Figure 6 - Installing The Wall Panels

IMPORTANT: Be sure to follow the number sequence on the shop print. As walls are cam-locked together, make sure the top of each panel is flush with the previous panel before they are cam-locked. Because of the possible irregularity of the existing floor, gaps may vary between the wall panel and floor.

NOTE: Sometimes when locking a panel together, a cam-lock misses the pin and will not lock. Lock the cam again by turning the wrench counter-clockwise. At this point make sure the two panels lined up and are as close as possible before reactivating the cam-lock.

NOTE: Place any freezer door and frame assembly in pre-notched opening. A cooler door does not require a notch. Door panels are assembled as any other wall panel.

4. The last wall panel to be installed should be the most accessible corner panel (see figure 7).
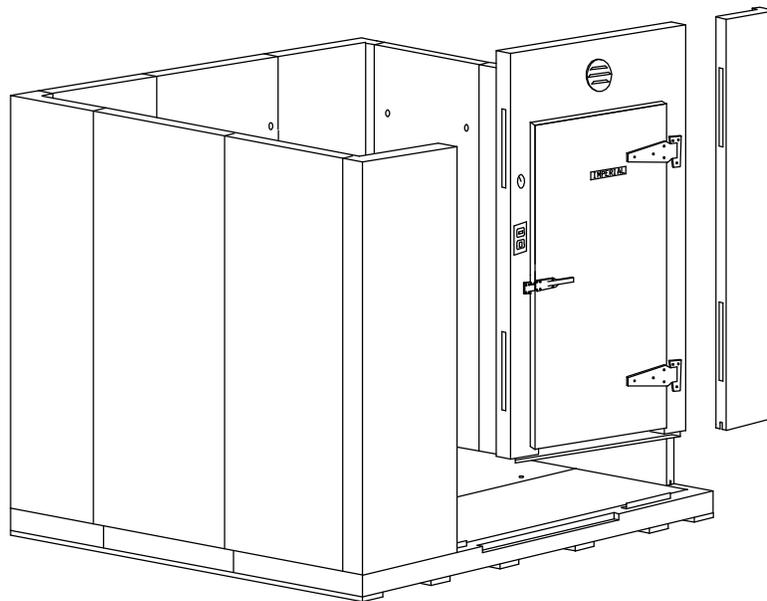

Figure 7 - Completing Wall Panels Installation

Ceiling Panels

1. When installing ceiling panels it is recommended that the first panel be located above the door (see figure 8a). As each ceiling panel is cam-locked together make sure the ends of each panel are flush with each other.

> **NOTE:** Do not worry about the ceiling being flush with the wall panels until it is time to lag down. The wall panels can be pushed in and out as needed to flush with ceiling panels.
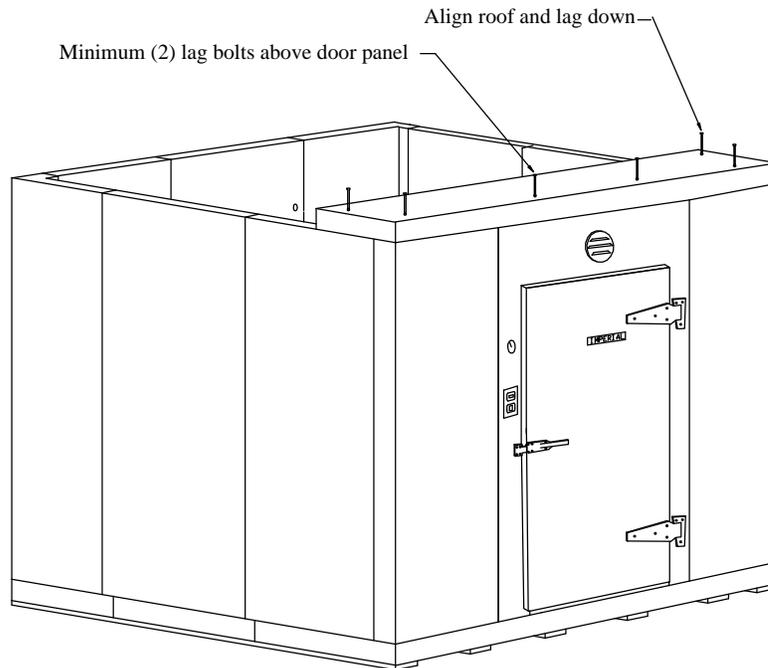
Align roof and lag down

Minimum (2) lag bolts above door panel

Figure 8a - Completing Wall Panels Installation

2. Lag down from the top with 3/8" lags. Tighten the lags down until the gasket seals ceiling panels with the wall. Align and adjust door for proper seal and secure at floor line with door angles provided (see figure8b).
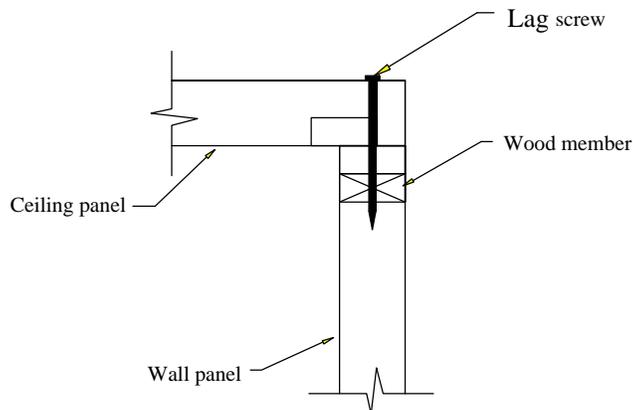
Lag screw

Wood member

Ceiling panel

Wall panel

Figure 8b - Ceiling To Wall Attachment

Finishing the job

1. Align door frame with adjacent wall panels, making sure that opening is square and frame is plumb, and install door angles (see figure 9).
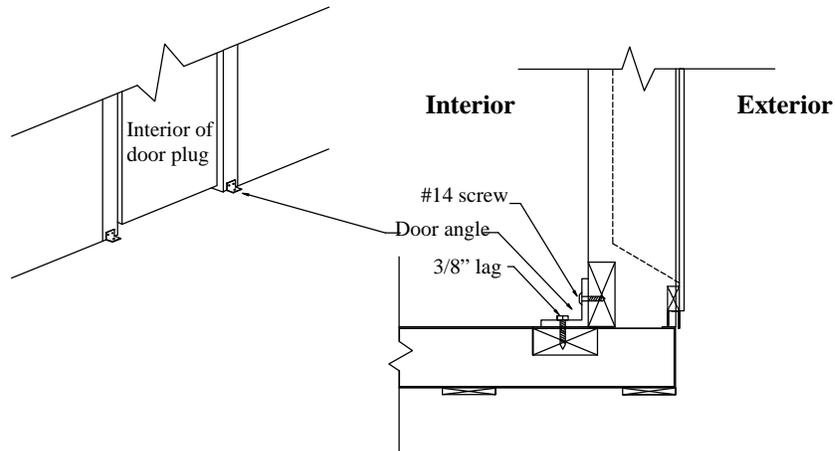

Interior of door plug

Interior   Exterior

#14 screw
Door angle
3/8" lag

Figure 9 - Installing Door Angles

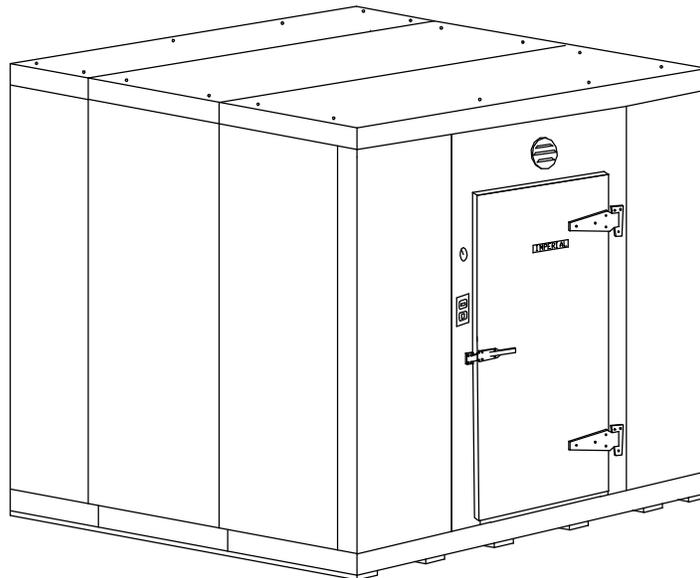2. Apply silicone bead at interior ceiling/wall and wall/floor joints.

Figure 10 - Assembled Walk-In

3. Install tie-downs, if applicable (see shop print).