



INSTALLATION INSTRUCTIONS

Items supplied with unit:

"Kit Box", cardboard box with items shipped with unit for installation

Allen Wrench:	Supply one per unit. To activate cam fastener.
Caulking:	Butyl caulking for between section, floor sill, and other seals.
Sealant, silicone:	Sealant for trim.
Plugs (Rosettes)	To cover cam fastener access hole.
#8 x 5/8" Tek:	Sheet metal tek screws to fasten metal trim.
1/4" Drive Pin:	To attach sill and door angle to concrete building floors (standard)
#8 x 3" Tek Screw:	To attach wall panel to sill (penetrate wall panel from interior approx. 3/4" off floor)
Anchor Bolts:	To attach sill to concrete building floors (special conditions)

Items placed on pallet of panels:

Sill 3/4" x 3/4" x 8' long	Continuous metal sill to attach wall to building floor
Door angle:	Two angles provided per doorway to secure doorway to floor.
Cove base:	Coved metal base for wall to non-coved floor junction.
Ceiling cap:	Metal cap for exterior ceiling to wall junction.
Wall closures	Metal trim for unit wall to building wall close off.

Basic items to be supplied by installer:

Chalk line:	To layout unit and check level of floor.
Carpenters level:	To assure level and square of doorway.
Caulking gun:	To dispense silicone and caulking.

Receiving unit:

Installation drawings are packed in an envelope and taped and clearly labeled on the pallet of walk-in panels. Locate drawing and check area the unit is to be installed in to assure proper clearance, including room height, then, begin to "Layout" box, maintaining minimum 2" air space between building walls and walk-in panels.

Prior to starting to erect the box, carefully look over the set up drawings, identify special conditions and instruction. Read installation instructions and identify sections by the numbers which correspond to the numbers indicated on the drawings. Check panel count on pallet, and

assure it matches count on plan, check refrigeration equipment and parts. Review copy of “master packing list” to identify installation materials, trim and special accessories included in shipment. If there are any discrepancies, notify company immediately.

Activating Panel Fasteners:

Butt the panels against each other as tight as possible. Do not let the panel fastener pull the panels together, as this could hamper the action or damage the fastener. Insert the wrench in the access hole. Turn the wrench approx. 3/4 of a turn; you will feel the snugging action when the fastener is completely engaged. Do not apply excessive pressure. Depending on the location of the fastener in the unit, the wrench may have to be removed and repositioned to finish locking.

Starting to Install:

Begin by inspecting area where walk-in is to be installed. Assure the area is level. If the area is not level, it is recommended to make it so. If required, the floor may be leveled utilizing various methods. Locate the high point of the walk-in area, and level to that point, using redwood shims. With floorless units, evenly space shims at a maximum 24" on center, separate, or attached by full length runners. Make sure the shims are placed under floor seams, and if runners are utilized, run them opposite of the floor panels. If additional support is required for heavier loads, sand should be poured between and level with the shims. With floorless units shim under sill to the high point of the building floor. If the floor is out of level so much that a proper seal can not be made, do not continue with installation until the floor can be repaired to a level finish.

Locate floor sections; refer to installation plan for corresponding panel identification number. Start with the floor section with the least access. Set floor sections on level cement slab or leveled shims. Verify each floor section is level by use of a carpenter’s level. Continue installing floor panels per the plan, activating the panel fasteners after assuring each panel is level. Give special attention to the location of floor panels notched for doorways, partition walls, and ramps. Run a bead of caulking along exterior edge (warm side) of floor groove.

Floorless units:

After layout of walk-in, measure from the outside dimension of walk-in layout to the center of the insulated wall panel. Attach the sill angle using the provided fasteners at the center line. Do not install sill at the door openings. Run a bead of caulking along exterior edge, (warm side) of sill.

Begin installation of wall panels with the comer with the least access. Install the next wall panel and activate the panel fasteners. Verify the tops of the panels are level. Continue erecting wall panels on both sides of comer, leaving the comer with the most access to last. On freezer applications apply a bead of caulking along warm edge of wall panel. Give special attention to the location of doorways, and partition walls. Also give attention to any special wall finishes, electrical junction boxes, panels with supports, etc. Position the door and door section per the installation plan, remove temporary door support from doors with out heat, and (see also

Installation of Door). On doorways with heated threshold, give special attention to support the threshold to prevent damage to the heater cable. After all wall panels are installed, and tops are level with each other, lock the walls to the floor sections. Apply a bead of caulking to top of wall panels along warm edge of wall panel.

Begin installation of ceiling panels with the end section with the least access. Place the next panel, square the ceiling panel on wall panels, lock ceilings together, and continue to square ceiling as you proceed, leaving the end ceiling with the least access for last. After all ceilings are installed and squared, activate the panel fasteners from the wall to the ceiling. Due to manufacturing and cam lock activation tolerances, the ceiling sections may overhang the wall panels. If this occurs, it may be necessary to readjust the ceiling panels.

To avoid the possibility of ceiling overhang or short fall, especially on larger walk-ins, Install enough wall panels to support the first ceiling. Place the ceiling in position, square and lock to the walls. Measure the stagger of wall ceiling and compare to the installation plan (typical 23 ¼" on standard ceiling to wall). If the dimensions are not the same, unlock the wall panels and adjust until the measurements match the plan. Keep checking the stagger as you progress installation of the walls and ceilings.

Installation of Door: Check the doorway to insure the legs of doorway are square and plumb, and the opening in square. Attach the door angle to each leg. If it is necessary to remove the door for any reason, open the door to 90 degrees and lift off the hinge butts. When the door is placed back on the doorway, it MUST be placed back on at 90 degrees. If the door is not placed on at the same position it was removed, the door will bind, and will not close properly. Check the swing of the door, adjust the strike as needed to get a positive lock. Adjust the wiper gasket at bottom of door if applicable. IMPORTANT: If the doorway is not square and level, the door will not operate properly, this is especially true with self closing door. Use a carpenter's level to assure it is level.

Trim: Install cove base on exposed exterior of unit. Apply caulking at wall to floor seam before installing cove base to assure an air tight seal.

Install ceiling cap on exposed exterior of unit. Caulk ceiling to wall seam before installing ceiling cap to assure an air tight seal.

Install vertical trim to close off air space, walk-in wall to building wall.

Silicone: Apply silicone on seams of trim; this includes cove base to wall, cove base to floor, ceiling cap to wall, and vertical trim to wall.

Thermometer: The thermometer is installed on the doorway. The probe of the thermometer to be relocated away from door opening. If calibration of the thermometer is required, remove the thermometer and follow the following instructions.

A trim pot located on the back of the unit allows for easy recalibration. Remove tape covering the recalibration trim pot and F IC switch. Compare the display with a temperature standard, i.e.,

a NIST or factory certified mercury thermometer. Adjust the trim pot so that the meter's digital display matches the temperature standard. The thermometer and also be made to register in Celsius by using the F IC switch. Afterwards, replace the tape so that the hole over the trim pot and F IC switch is completely covered.

Reinstall the thermometer.

Penetrations: It will be necessary for tradesmen to make penetrations into the walls and/or ceilings of the walk-in. When penetrations are made it is important to maintain a distance of 8" around cam lock access hole and also to avoid areas with interior conduit and reinforcement. All penetrations made should be as small as possible to provide necessary access. All penetrations must be sealed with spray foam or with provided silicone.

Notices: Installer is to post all supplied warning notices in plain view.

See details on installation drawings for special installation conditions and details.

Refrigeration and other supplemental component instructions must be followed