ASI DOORS

OWNER'S MANUAL

MODEL XP ISO-Flex 2200

Bi-Parting Flexible Cooler/Freezer Door

MANUAL PART #: 17A294

Manual last updated on: October 18, 2024 10:40 AM

Important Safety Instructions

This is a safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION

CAUTION used without a safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTE

NOTE explains general information.

⚠ WARNING

Warning read these Important Safety Instructions before installing, operating or servicing the SLIDING door. Failure to follow these Important Safety Instructions could result in property damage, death or serious injury.

READ AND UNDERSTAND ALL WARNING LABELS AND OPERATING INSTRUCTIONS IN THIS MANUAL BEFORE OPERATING THE SLIDING DOOR. If you do not understand the instructions, ask your supervisor to teach you how to use the SLIDING door.

Important Safety Instructions (cont'd)

1. Do not operate the door while under the influence of drugs or alcohol.
2. Do not use the door if it looks broken or does not seem to work properly. Advise your supervisor at once.
3. Stay clear of the door when it is moving
4. Keep hands, feet and head clear of the door at all times.
5. Do not operate the door with equipment, material or people directly inside door opening.
6. Disconnect power before performing any electrical or mechanical service, cleaning or other maintenance on the door. OSHA requires disconnect to be properly tagged and locked out during all maintenance or service of equipment. With the power supply disconnected, always verify using a volt meter.
7. All electrical troubleshooting or service must be completed by a qualified electrician or service person and must meet all applicable local, state, federal, international and other governing agency codes.
8. When it is necessary to service the control box with power on, USE EXTREME CAUTION. Do not place fingers or uninsulated tools inside the control box. Touching wires or other parts inside the enclosure may cause electrical shock, serious injury or death.
9. It is your responsibility to keep all warning labels and instructional literature legible, intact and kept with the door. Replacement labels and literature are available from ASI Doors, Inc. or its representatives.
10. If you have any questions, contact your supervisor or your local ASI Doors, Inc. representative for assistance.
11. Train all service and personnel using or near door on intended use(s) and operation of the door.
12. Failure to operate the door as intended, as described, or heed any warning may result in equipment damage, property damage, serious bodily injury or death.

Warranty Policy

ASI Doors (herein called "ASI") warrants solely for the benefit of its customer that each door system manufactured by ASI (each a "Door System") will be free from defects in material and manufacture for a period of one (1) year from the date of original shipment by ASI. The following models receive a similar two (2) years from date of shipment warranty: 109, 209, 120-125, 1240-125-, 1240SS-1250SS, 1260-1270, 1260SS-1270SS, 130-135, 140-150, 160-170, 220-225, 220SS-225SS, 230-235, 230SS-235SS. In all instances warranty labor is covered for a period of one (1) year from the date of original shipment.

The foregoing limited warranty shall not apply to defects that result from improper installation, abuse, misuse, alteration, modification, or failure to maintain the Door System in accordance with the ASI Owner's Manual. Periodic maintenance and adjustment of the Door System as described in the ASI Owner's Manual are the sole responsibility of the customer. All claims for defects must be made to ASI within thirty (30) days after the defect is discovered or should, with reasonable care, have been discovered. **THE FOREGOING LIMITED WARRANTY CONSTITUTES THE EXCLUSIVE WARRANTY OF ASI WITH RESPECT TO THE DOOR SYSTEM. ASI EXPRESSLY DISCLAIMS ALL OTHER GUARANTEES OR WARRANTIES—WHETHER EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

If a Door System does not comply with the foregoing limited warranty, and a claim is made by customer within the warranty period, ASI will, at the option of ASI, either repair or replace any defective equipment or parts free of charge and pay the reasonable labor costs to repair or replace the defective equipment or parts if within the defined warranty period. The remedy of repair or replacement shall be the exclusive and sole remedy for any breach of the foregoing limited warranty.

ASI SHALL NOT IN ANY EVENT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING WITHOUT LIMITATION ANY LOST PROFITS, ARISING FROM THE SALE OR USE OF THE DOOR SYSTEM, OR FROM ANY OTHER CAUSE WHATSOEVER, WHETHER THE CLAIM GIVING RISE TO SUCH DAMAGES IS BASED UPON BREACH OF WARRANTY (EXPRESSED OR IMPLIED) BREACH OF CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF A PARTY HAS BEEN ADVISED OF THE POSSIBILITY THEREOF, AND REGARDLESS OF ANY ADVISE OR REPRESENTATION THAT MAY HAVE BEEN RENDERED BY ASI CONCERNING THE SALE OR USE OF THE DOOR SYSTEM.

At ASI's request, customer shall return to ASI for inspection any Door System for which a warranty claim has been made, F.O.B. ASI's facility with freight prepaid. The customer is responsible for any removal costs.

The customer shall comply with the following procedures in filing a warranty claim with ASI:

1. Notify ASI of any and all defects in writing with photographic evidence. ASI will review the warranty request and issue a Returns Merchandise Authorization (RMA) form if the defective parts need to be returned to ASI for inspection and verification. The RMA form must accompany any materials returned for warranty consideration.

2. All replacement parts or equipment will be invoiced to the customer. Upon verification by ASI that the Door System is defective, ASI will issue a full credit to customer for the replacement parts or equipment.

3. If outside labor is needed to install the replacement parts or equipment, ASI requires a written estimate of the labor charges in advance so ASI may approve the labor charges and issue a purchase order. ASI will not accept any labor charges unless previously approved in writing and accompanied by the ASI purchase order number.

(Rev 12/21)

Crates and Contents

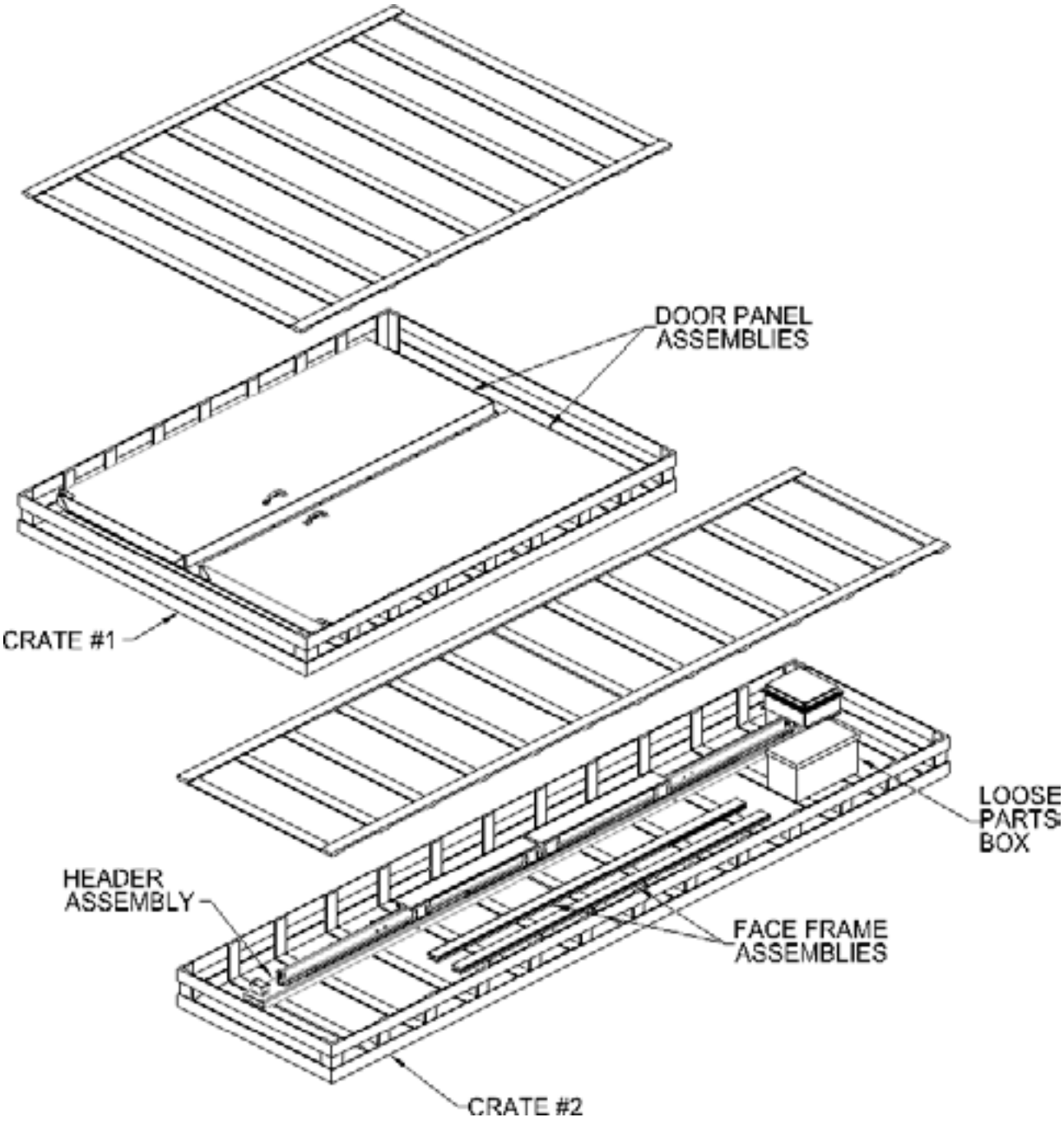


Figure 1: Crates and Contents

NOTE

NOTE: Contents of crates #1 & #2 may be combined into one crate for shipping

Crates and Contents Continued

On receipt of shipment, check that you have received the correct number of pieces. All cartons are labeled as to their contents. Inspect each carton for damage in shipment. If damaged, report at once! ASI suggests that only one carton be opened at a time as installed. This will keep all units clean with less chance for damage. Loose parts are in a parts box with header and casing. Header and rail casing are attached to crate by lag screws. Unscrew these to remove casing. The balance point of the header casing is between the operator and the centerline of the header.

Crate one will contain the door panel assemblies. Crate two will contain the side frames, header assembly, control box (Power Doors) and loose parts box (Figure 1).

For your protection, note any damages or shortages on the carrier's bill of lading before signing the bill for receipt.

The installation of this door will require at least a two man crew and a fork lift. Select a fork lift with lifting height based upon the height of the door plus a minimum additional two feet.

NOTE

Note because of variances in the construction of walls on which the door will be mounted, fasteners are not supplied. For proper anchoring of the door, we recommend the use of thru-bolts. DO NOT remove door sections from crate until you encounter the step in which they are to be installed.

Note unless specifically called out as "Provided by ASI", installer is to provide all necessary mounting hardware, anchors, inserts, hangers, supports and equipment needed to install door in accordance with final shop drawings and manufacturer's instructions.

Loose Parts

Description - Manual	Qty.
Installation Instructions	1
Sales Drawing	1
Floor Roller Assembly	2
Misc. Hardware Bag	1

Loose Parts

Description - Power Cooler	Qty.
Installation Instructions	1
Sales Drawing	1
Floor Roller Assembly	2
Misc. Hardware Bag	1
Label, Warning	4

Loose Parts

Description - Power Freezer	Qty.
Installation Instructions	1
Sales Drawing	1
Floor Roller Assembly	2
Misc. Hardware Bag	1
Label, Warning	4

⚠ WARNING

WARNING before mounting Door, review all Important Safety Instructions as detailed in this manual.

Warnings

⚠ WARNING

WARNING observe the following instructions to reduce the risk of serious injury, or death.

IMPORTANT SAFETY INSTRUCTIONS!

1. **READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS**.
2. Install on a properly prepared and constructed wall. Install only on a properly operating and balanced door. A door that is operating improperly could cause severe injury. Have qualified service personnel remove any existing cables, spring assemblies, and other hardware OF ANY EXISTING DOOR before installing the new ASI door.
3. Remove all pull ropes and remove, or make inoperative, all locks (unless mechanically and/or electrically interlocked to the power unit) connected to the door before installing the operator.
4. A commercial/industrial door operator that has exposed moving parts capable of causing injury to persons or employs a motor deemed indirectly accessible by virtue of its location above the floor shall include:
   a. Door face frames (door opening height or “HIC”) must be 8’ 0” or above.
   b. If operator must be mounted less than 8 ft. (2.44 M) above the floor, then exposed moving parts must be protected by covers or guarding.
5. Do not connect the door operator to the source of power until instructed to do so.
6. Locate the control station: (a) within sight of the door, and (b) at a minimum height of 1.53 m (5 ft) above floors, landings, steps, or any other adjacent walking surface and (c) away from all moving parts of the door.
7. Install the entrapment warning placard next to the control station in a prominent location.
8. **SAVE THESE INSTRUCTIONS!**

Door Measurements

⚠ DANGER

DANGER Do not install, operate or service this product unless you have read and understand the Important Safety Instructions, Warnings and Installation and Operating Instructions contained in this manual. Failure to do so could result in property damage, bodily injury or death.

NOTE

Note In this manual, doors shown will be right-hand operators. For left-hand operator doors, positions of some components will be the reverse of that shown.

1 Measure door opening to verify door mounting dimensions (Figures 3, 4, & 5). The face frames will fit flush to the sides of the opening as shown

2 Be sure to read all warning labels before installation (Figure 2).

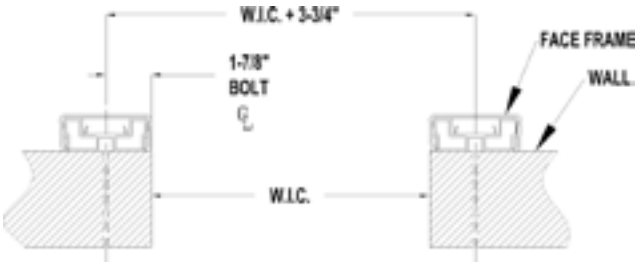


Figure 3: Wall Clip Position - Frames with no Jamb or Inside Trim

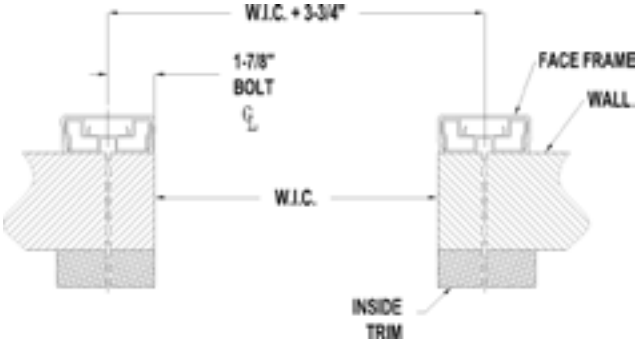


Figure 4: Wall Clip Position - Frames with Inside Trim

Door Measurements Continued

DANGER Do not install, operate or service this product unless you have read and understand the Important Safety Instructions, Warnings and Installation and Operating Instructions contained in this manual. Failure to do so could result in property damage, bodily injury or death.

Note In this manual, doors shown will be right-hand operators. For left-hand operator doors, positions of some components will be the reverse of that shown.

3 Check plumb and square. Shim if necessary (Figure 6). Header and side frames must be on same plane. Make sure operator end is not sagging.

4 Based upon the dimensions in Figure 7, determine that door will have sufficient wall space to slide open.

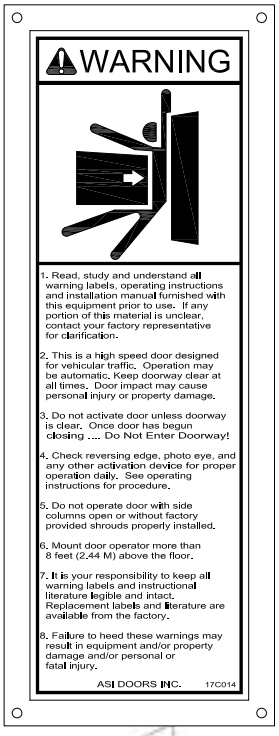


Figure 2: Warning Placard

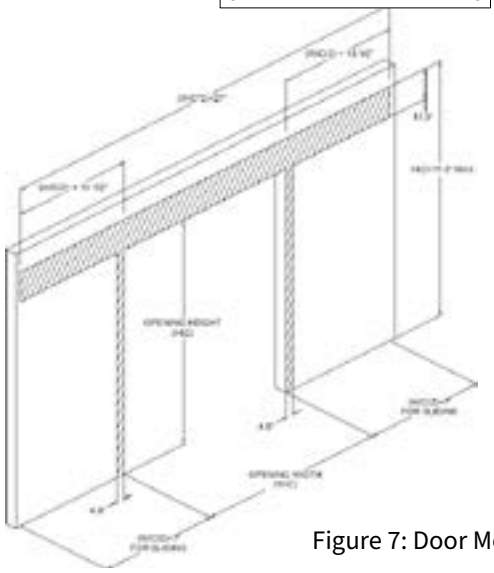


Figure 7: Door Measurements

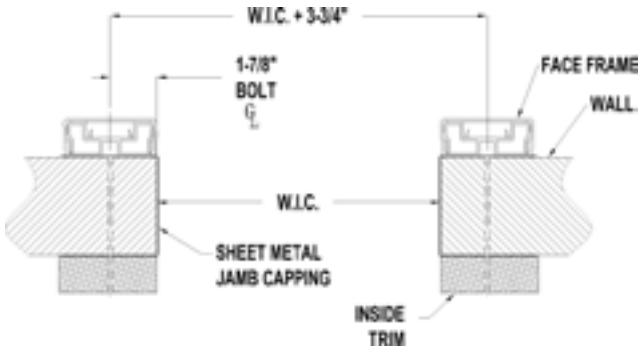


Figure 5: Wall Clip Position - Frames with Jamb Capping and Inside Trim

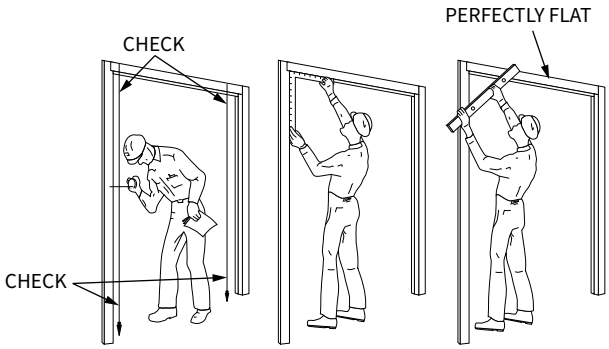


Figure 6: Checking Plumb and Square

Note Recheck frames and rail assembly to be sure they are square. Check frames with straight edge to make sure they are in the same plane. Check diagonally across corners for square. Shim under the face frame as required to the true plane and plumb. This step is necessary to insure a tight door seal.

Face Frame Installation

NOTE

Note determine if the floor is level. If the floor is not level, attach the Face Frame to the wall on the high side of the opening (see Figure 9).

1 Remove plastic extrusion covers from aluminum face frame extrusions.
2 Place a bead of caulk on the full length of each side of the back of the face frame extrusion where it contacts the wall surface to prevent any air leaks.
3 Attach the aluminum face frame extrusions to the wall (figure 8 & 9). Drill holes for face frame anchors. Placement of the screws should start 6” from the floor, then continue approx. Every 24” for the full height of the frame. When drilling holes for mounting face frame, avoid damaging heat tapes, wiring, and terminal blocks assembled on face frame.
4 After mounting aluminum face frame extrusions, replace the plastic extrusion covers.

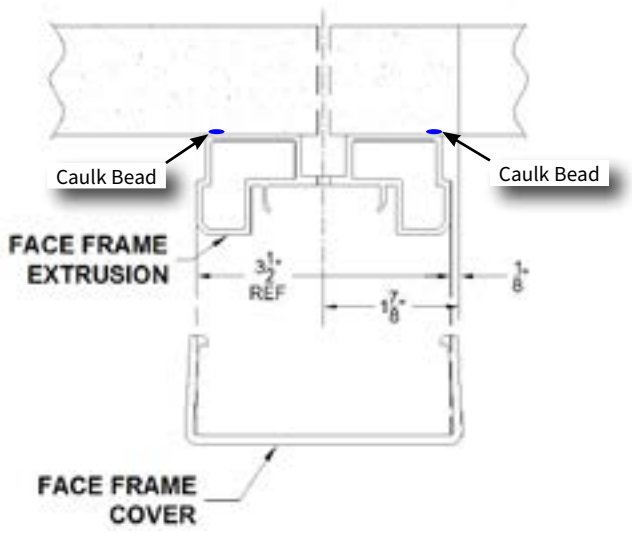


Figure 8: XP Face Frame Detail

NOTE

Note bolt thru with 3/8” bolts using backing plates or inside trim on back side for brick wall and other applications where 3/8” expansion bolts are not applicable. For solid masonry wall, use lead anchors and lag bolts or other type 3/8” expansion bolts.

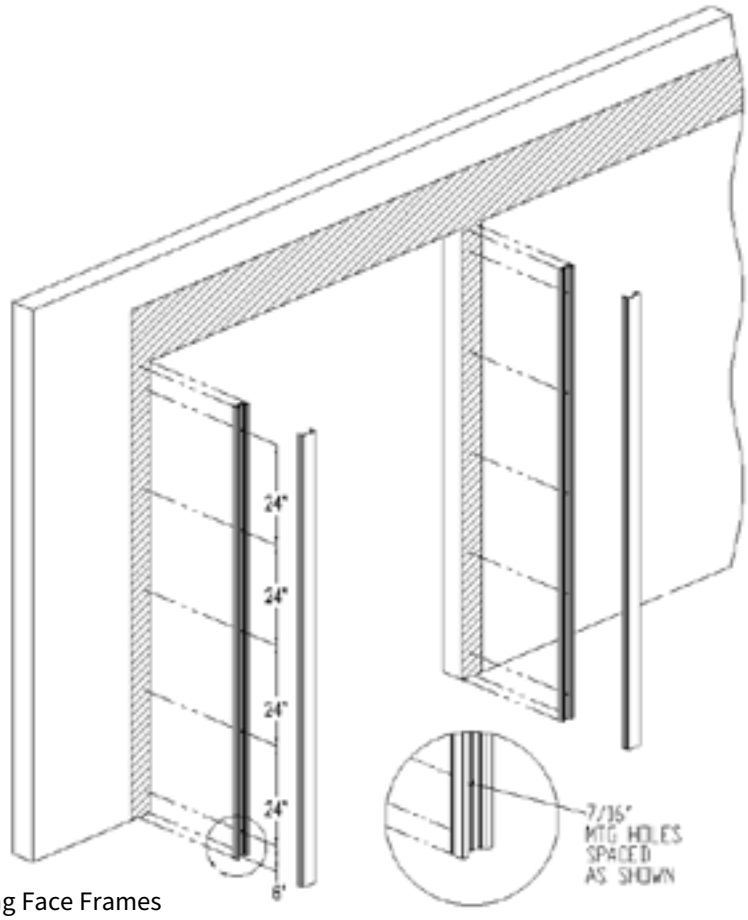


Figure 9: Mounting Face Frames

INSTALLATION

Header Installation

For the Header Frame, drill holes into wall through the existing holes in the Header Extrusion and attach to wall using 1/2” through bolts or rods. Using 1/2” bolts or rods in all available holes is required (See Figures 10, 11, & 13).

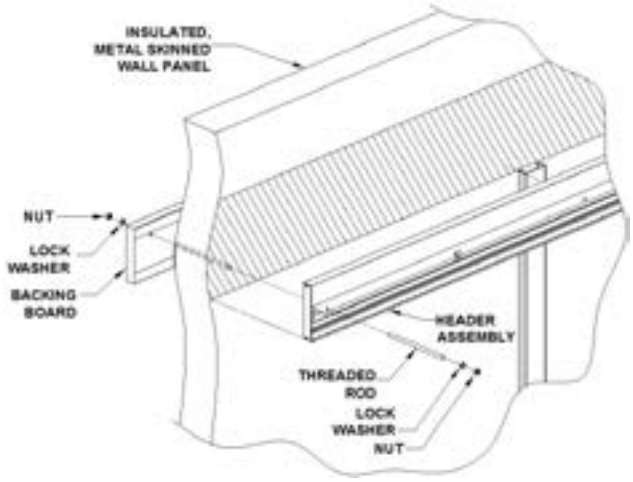


Figure 10: Mounting detail - Insulated Panel

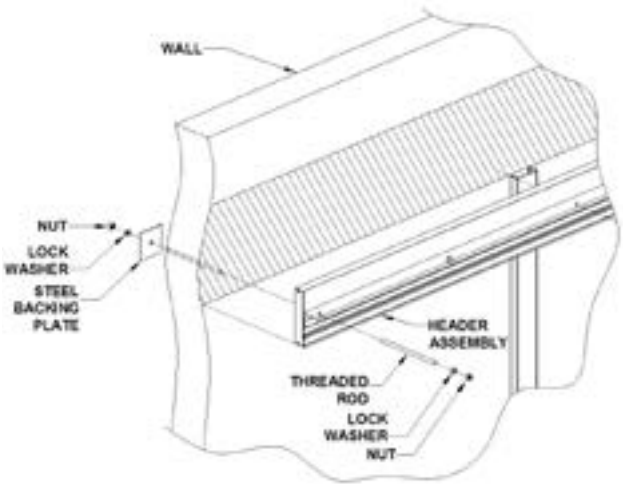


Figure 11: Mounting detail - Block Wall

⚠ WARNING

Warning when mounting Header assembly, keep personnel out of the area below the Header until it is secured to the wall. Failure to do so could result in property damage, bodily injury or death.

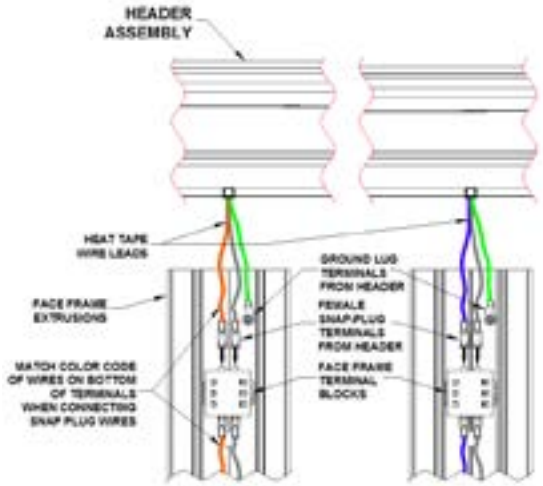


Figure 12: Optional Heat Tape Connections (Freezer Only)

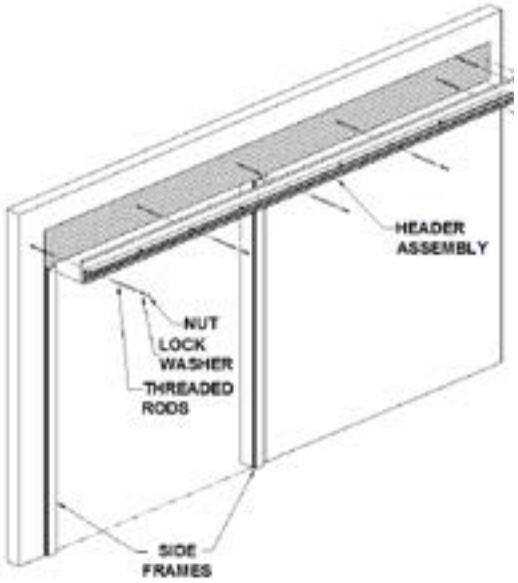


Figure 13: Mounting Header Assembly

Panel Installation

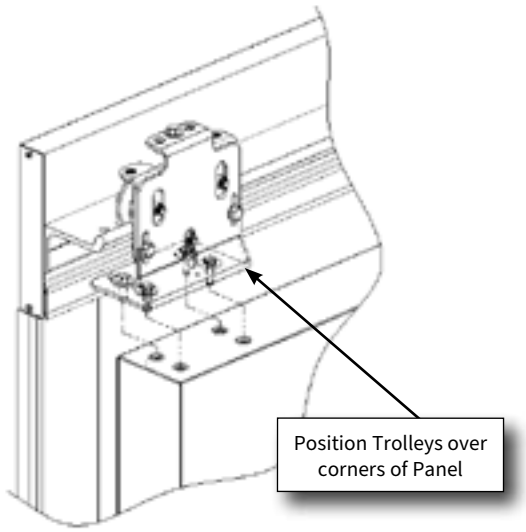


Figure 14: Trolley and Panel Detail

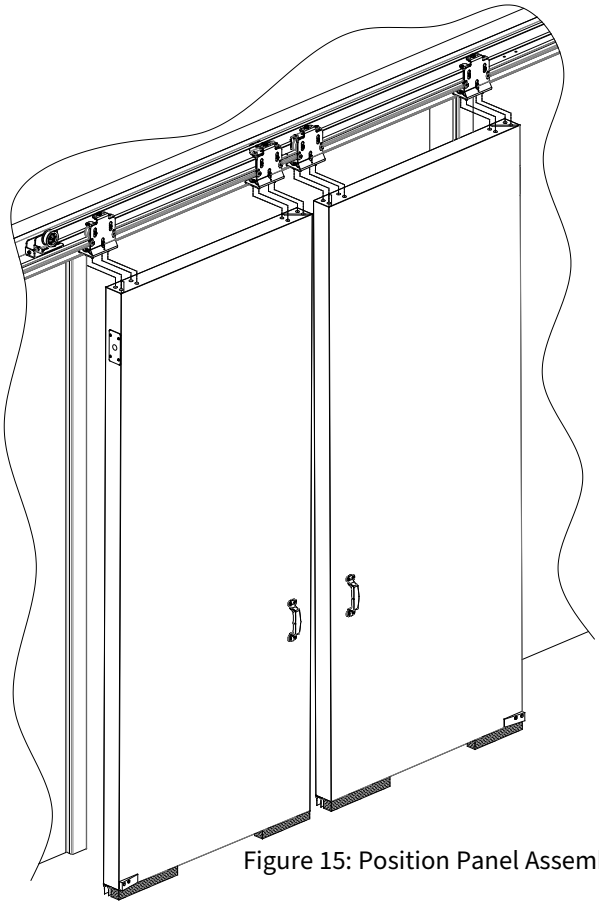


Figure 15: Position Panel Assembly

1 Mount 2 roller trolley assemblies on rail on header. Position approximately door width apart. Single roller wheel on trolleys always goes to outside of panel. Make sure jump rollers are installed & locktite is applied to screw threads.
2 Move door panel into position in front of opening. Tilt door panel up against opening, blocking up bottom of panel on front side next to bottom gaskets with approx. 2” Blocks. Take care not to damage bottom gaskets.
3 Slide trolley assemblies into position so slotted holes in trolley base plates align with mounting holes in top corners of door panel. Loosen trolley height locking bolts & adjust trolley height adjustment bolt to lower/raise trolley to meet top of door panel if needed.
4 Attach trolleys to door panel with panel mounting bolts, and tighten bolts. Raise door slightly using height adjustment bolts & remove blocking from bottom of door.
5 Use trolley height adjustment bolts so bottom gaskets on door panel completely seal against floor when door is in the closed position.
6 Locate trolley cover plate & attach to both trolleys using 2 screws per side.

NOTE

Note when tilting up Door Panel, use caution not to damage bottom gaskets.

⚠ WARNING

Warning when mounting Panel, keep personnel out of the area below header and use caution until the Panel is secured to the Header assembly. Failure to properly install equipment could result in property damage, bodily injury or death.

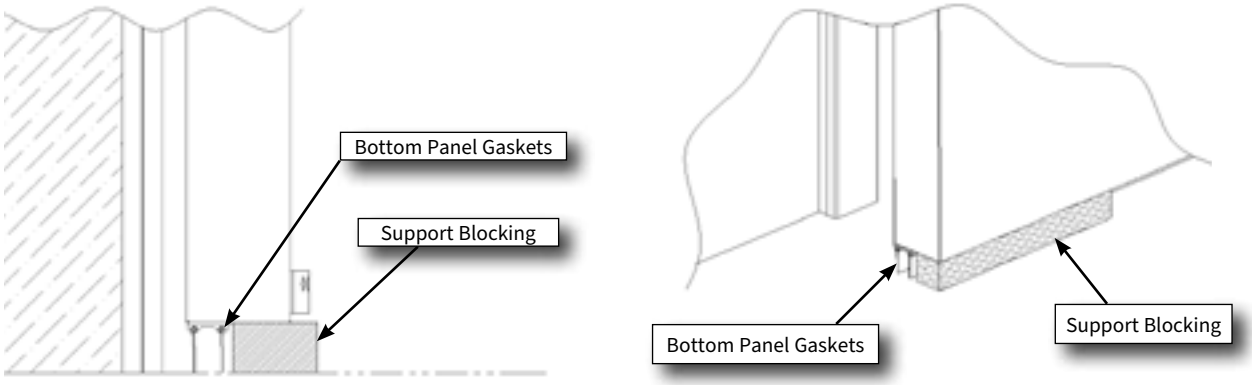


Figure 16: Panel Support Blocking

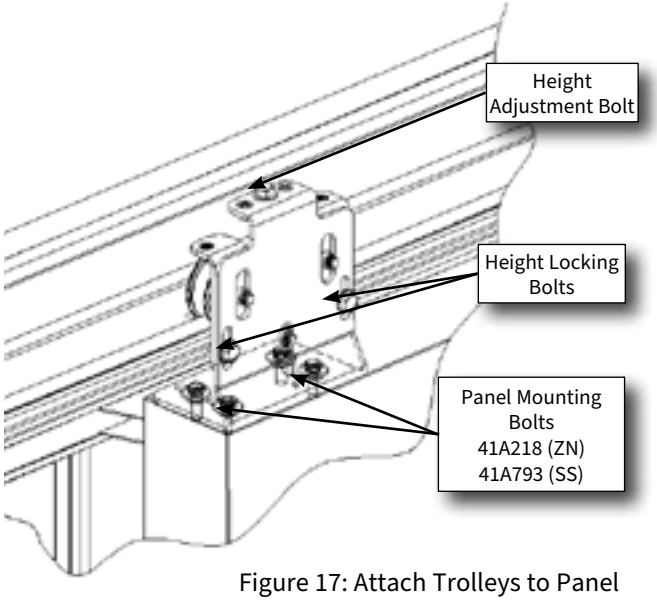


Figure 17: Attach Trolleys to Panel

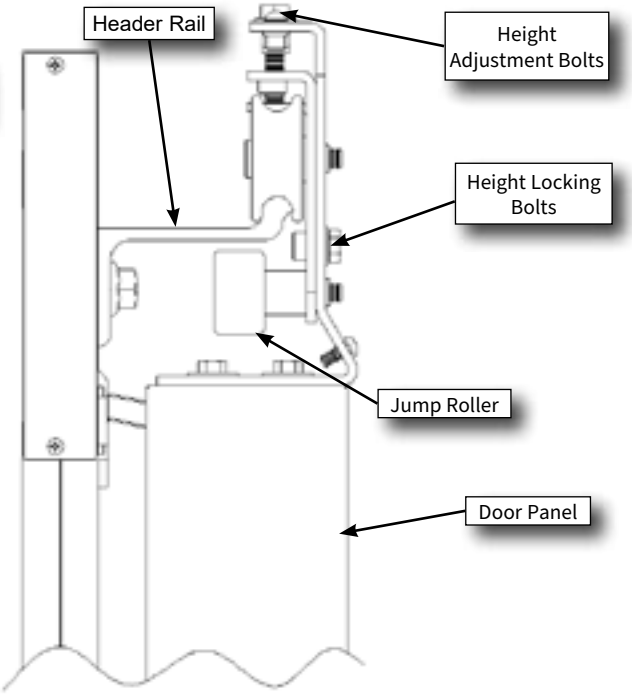


Figure 18: Trolley and Panel Detail

⚠ WARNING

Warning the use of Impact tools on adjustment hardware is NOT recommended. Use of these tools may damage the adjustment hardware, compromising the ability to make door adjustments.

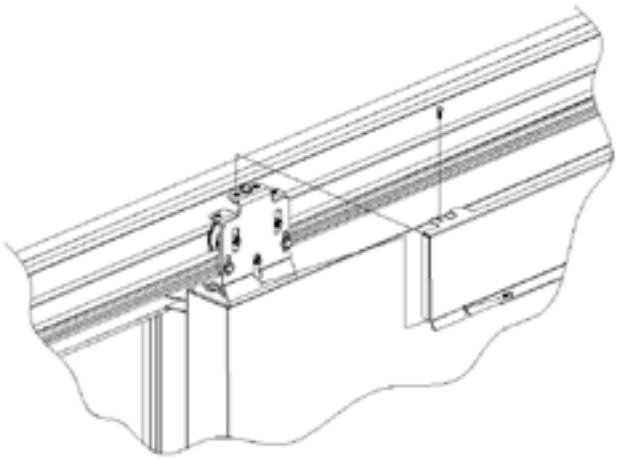


Figure 19: Attach Trolley Cover *Plate*

Floor Hardware Installation

Floor Hardware Installation:

1 Locate floor rollers in loose parts box.

2 Move doors into the closed position.

3 Refer to the reference dimensions given in figures 20 and 21. At one of the door's trailing edges, position one floor roller on the floor, directly in front of face frame (approx. 9.0" From wall to vertical face of floor roller bracket), so that roller causes panel to be snug against the gaskets. Drill holes in floor so that bolts will be in the center of the two slotted bolt guide holes to allow for adjustments. Attach using 3/8" anchor bolts.

4 Repeat at trailing edge of other door with second floor roller.

5 Move doors into the open position.

6 Move door into the closed position. Floor rollers should contact door wedges and cause panels to be snug against the gaskets.

7 Verify that floor rollers are positioned so that gaskets seal against face frames, but are not overly compressed. Over compression of gaskets will cause premature gasket wear.

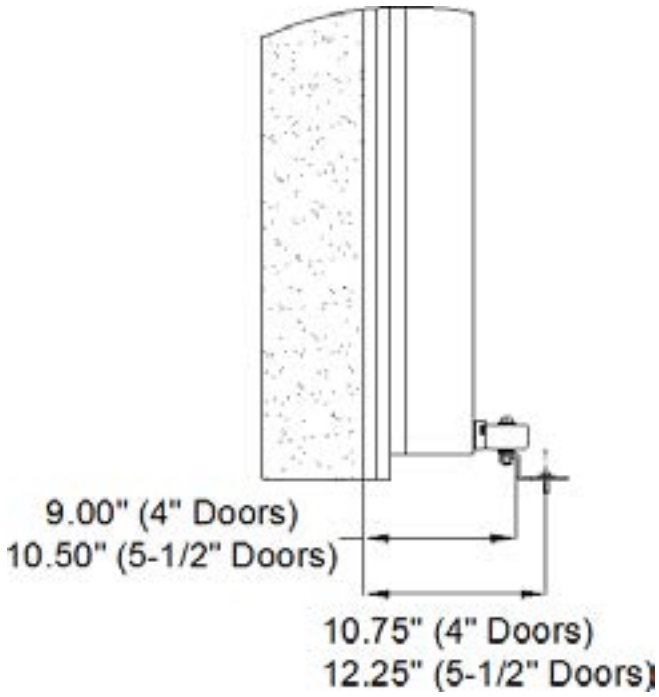


Figure 20: Trail Edge Floor Roller

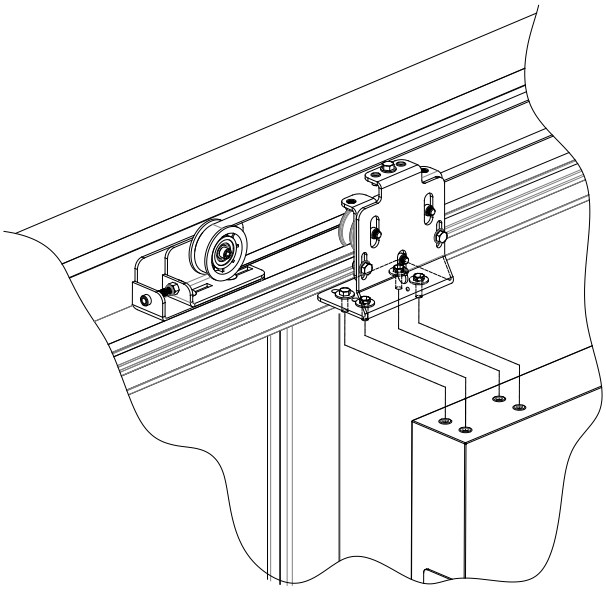


Figure 21: Floor Rollers - Top View

Door Adjustment Location

Floor Hardware Installation:

Figure 31 illustrates the various adjustment points along the door to form a tight seal, yet not create seal wear. Visually inspect seal to make sure no light is visible through the seals.

1 Sill gasket (trolley height) 1a & 1b (typ both panels) adjustment for leveling panel and adjusting distance from bottom gasket to floor.

2 Belt tension adjustment for adjusting positioning accuracy during door open and close cycles (power doors only).

3 Floor roller adjustments for distance of panel gasket from LH face frame (3a. – LH floor roller) and distance of panel gasket from RH face frame (3b. – RH floor roller).

4 Face frame covers adjustment for adjusting seal between vertical panel gaskets and face frames.

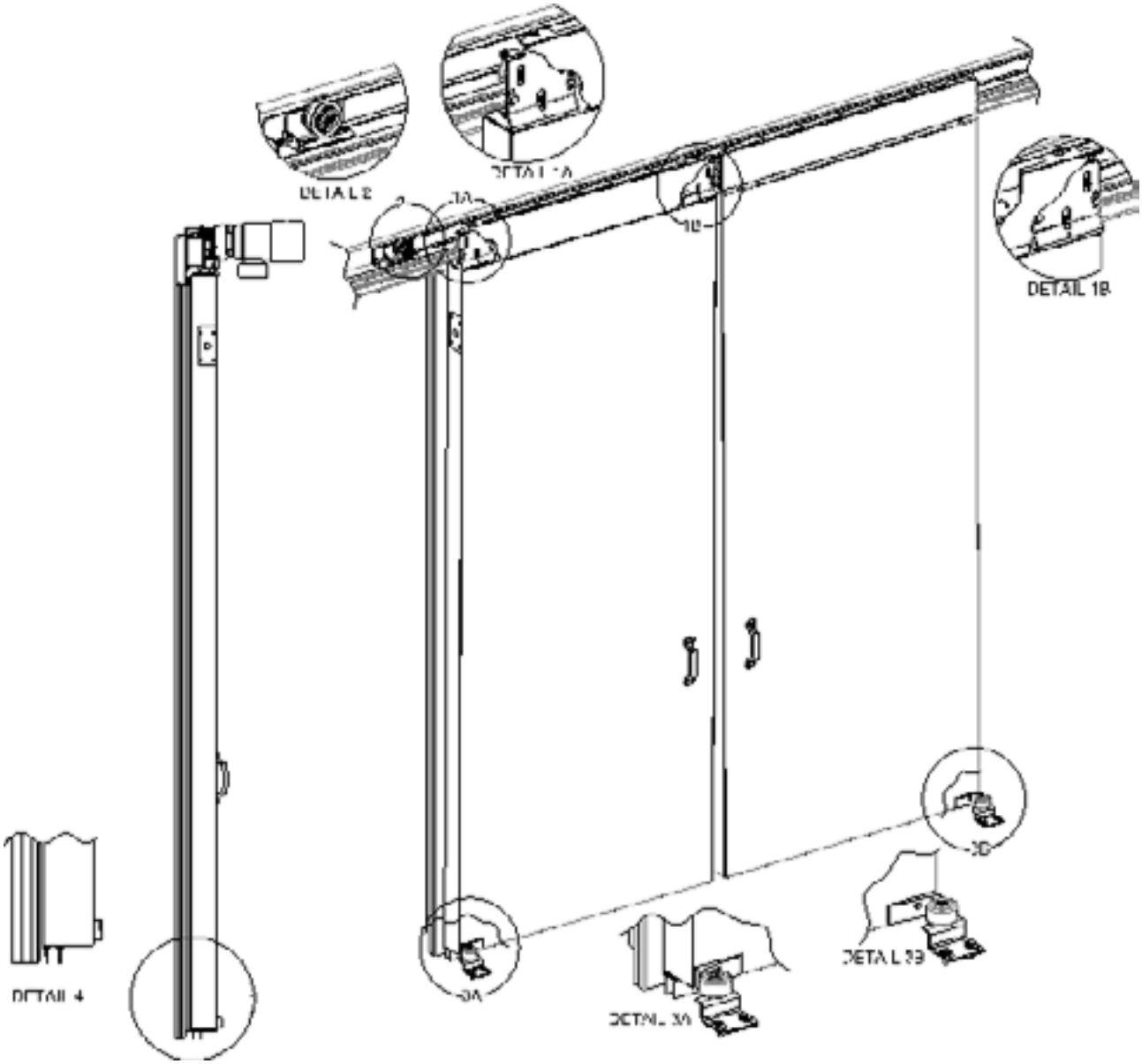


Figure 22: Door Adjustment Locations

Door Adjustments Continued

Sill Gasket / Panel Height Adjustment:

1 Inspect sill (bottom) gasket position relative to the floor. If gasket does not make contact with the floor completely when closed, excessively drags on the floor or the floor is uneven, adjustment of the sill gasket is necessary.

2 Remove trolley cover plate by removing 2 screws attaching it to trolley on both ends (Figure 32).

3 Adjust the sill gasket position by adjusting door heights of the trolley assemblies on both ends of the header rail assembly (Figure 33). Loosen 2 height locking bolts on each trolley. Adjust height using height adjustment bolt until bottom panel gasket makes contact with floor. Re-tighten height locking bolts. Make adjustment when door is closed.

4 Replace trolley cover plate.

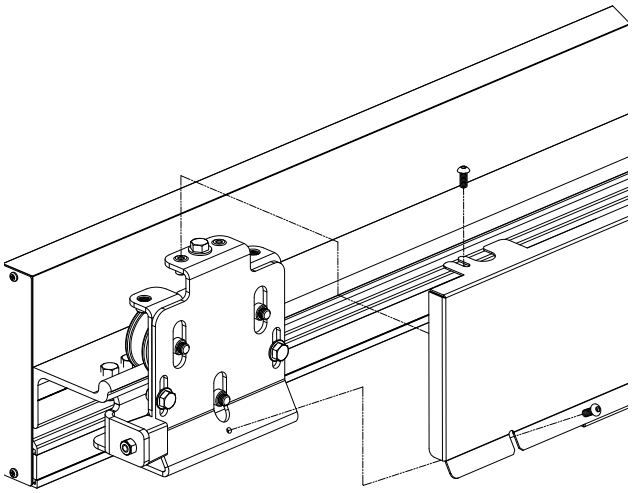


Figure 23: Remove Trolley Cover Plate

⚠ WARNING

Warning the use of Impact tools on adjustment hardware is NOT recommended. Use of these tools may damage the adjustment hardware, compromising the ability to make door adjustments.

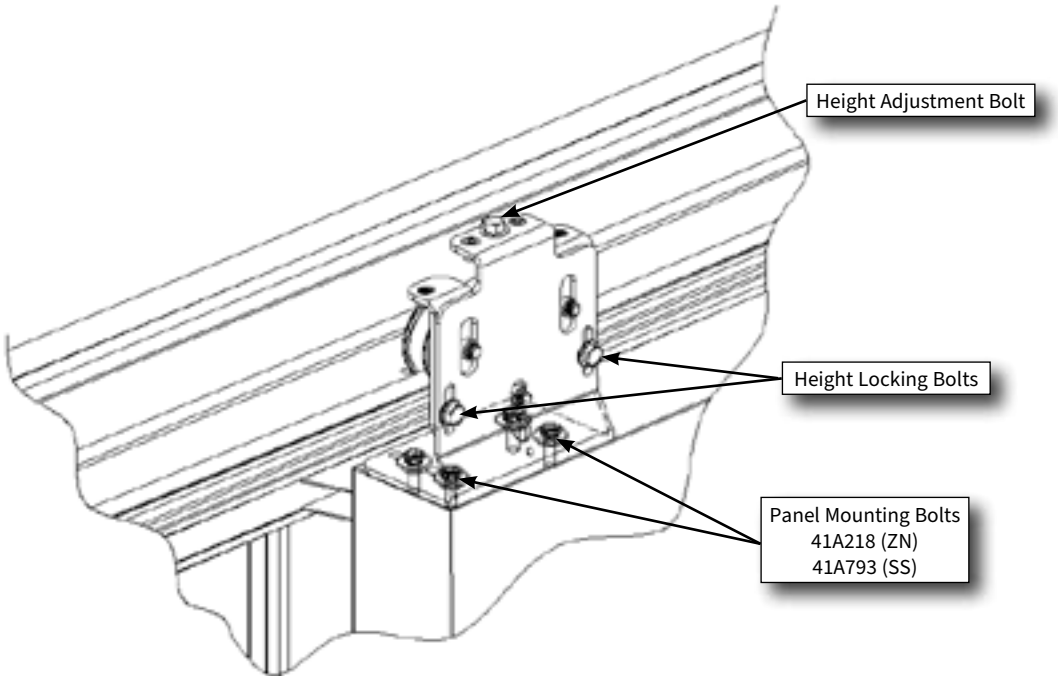


Figure 24: Adjust Trolley Height

Drive Belt Adjustment (Power doors only):

If door positioning during opening or closing cycles is erratic, drive belt may need tension adjustment or replacing.

1 Locate idler assembly on header ail assembly. On RH operator doors, will be on left side of header, near end of trolley cover on LH side (Figure 34). For LH operator doors will be on RH side. Check belt tension. Belt should be reasonably tight but deflect between 1/2" to 1" at center of belt with mild finger pressure. Visually inspect belt for wear and missing or damaged teeth.
2 Loosen belt idler lock nut.
3 Use belt idler adjustment screw to tighten (or loosen) belt tension.
4 Re-tighten belt idler lock nut.

If belt is damaged and needs replacing, release all tension on belt, slip belt off of front side of idler pulley, and back side of motor pulley on other end, replace belt, and re-tension as listed above.

NOTE

Note doors with opening height under 7' 6", will have a belt guard installed over idler pulley.

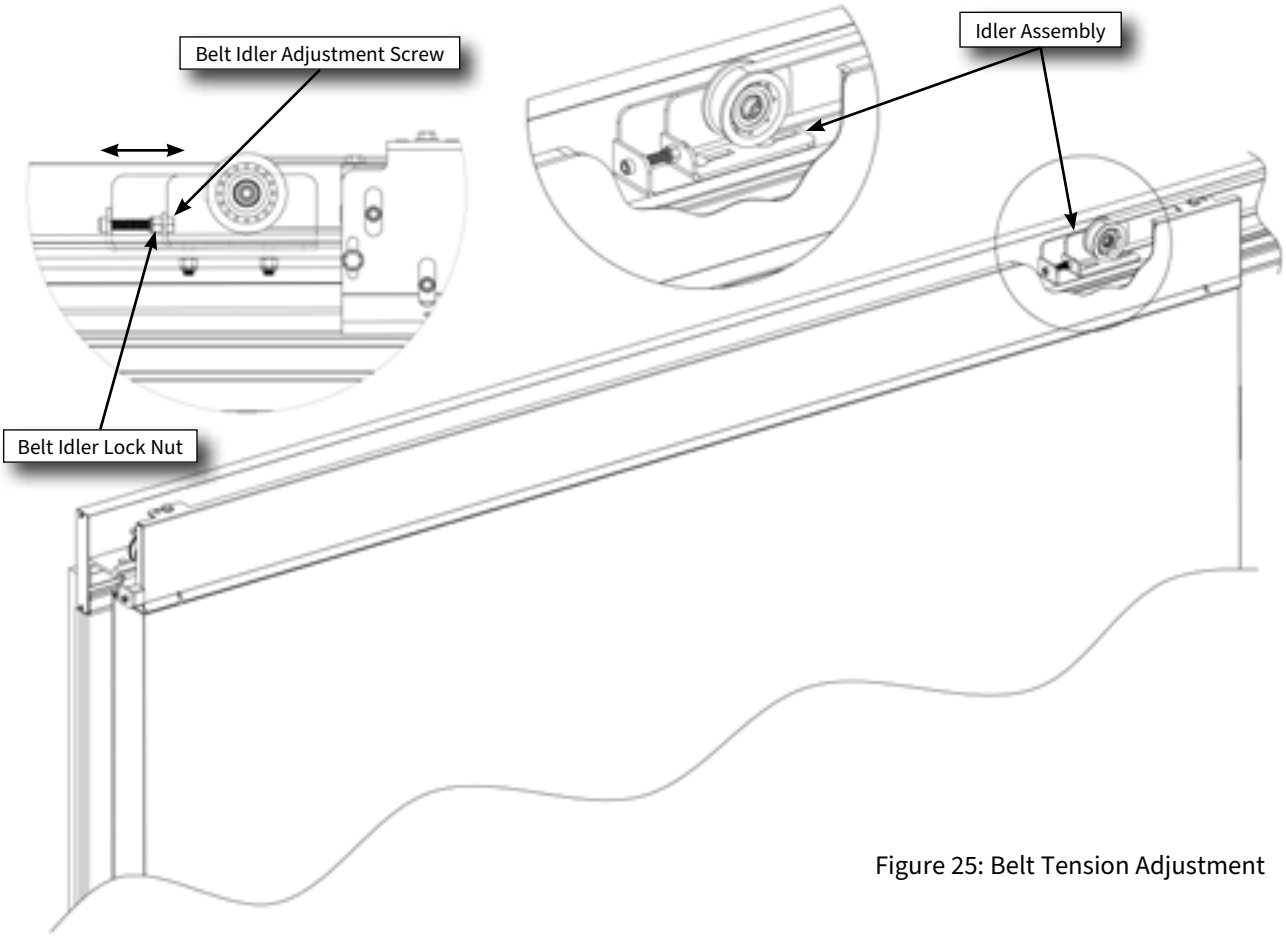


Figure 25: Belt Tension Adjustment

Door Adjustments Continued

Floor Roller Adjustments:

Inspect contact between vertical door gaskets and face frames. If there are gaps, floor rollers may need to be adjusted.

1 Loosen bolts holding floor rollers to floor.

2 Adjust position of floor rollers to insure vertical door gaskets are making sufficient contact with face frames at the floor.

3 Re-tighten floor roller bolts.

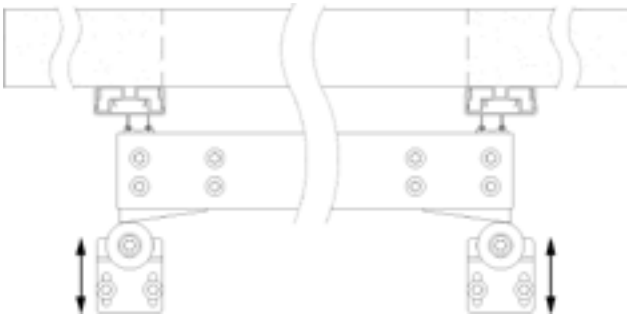


Figure 26: Adjust Floor Roller Position

Face Frame Cover Adjustments:

Inspect contact between vertical door gaskets and face frames above floor to top of face frames. If there are gaps above the floor, face frame cover position may need to be adjusted. Face frame covers are designed to slide out from face frame extrusions if needed.

1 After adjusting floor rollers to make contact with vertical door gaskets at floor, check for gaps between vertical door gaskets and surfaces of face frame covers from floor to top of door opening with door in closed position.

2 Manually pull face frame covers out to meet surfaces of face frame covers at points where there are gaps.

3 Lock face frame cover in place by driving #10 TEK screws through face frame cover, into face frame extrusion at these points. Use .75” Long screws or shorter! Open door and add screws at the same locations on other side to keep covers straight.

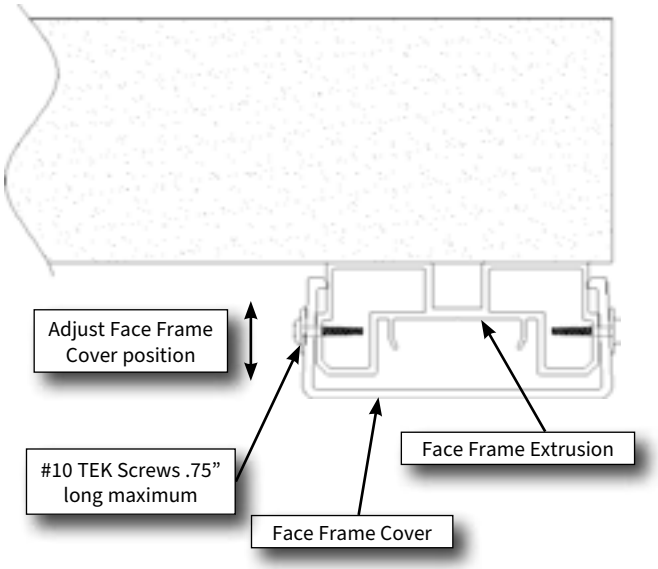


Figure 27: Adjust Face Frame Cover Position

⚠ WARNING

Warning use .75” long screws or shorter for securing position of Face Frame Covers. These screws must not extend into pocket in Face Frame where heat cables are held, or damage to heat system may result.

Wall Track Installation

1 Locate wall track, and detent bracket assemblies in shipping crate and loose parts box.

2 With doors in closed position, use following steps to mount wall track assemblies (Figure 37). Steps detail mounting RH wall track assembly. For bi-part doors, there are mirrored assemblies on both sides of opening. Mounting procedure is the same for both sides.

3 Mount detent bracket onto wall track bracket already mounted on door by asi. Hand tighten fasteners (5/16-18 x .75 Carriage bolts and 5/16-18 whizlock nuts) so that detent bracket is approximately centered vertically on slots in bracket (Figure 38).

4 Mount end of wall track assembly closest to door first (5/16" fasteners to mount wall track to wall are provided by installer). Position end of wall track approximately 1/2" in from edge of trailing edge face frame, and lower wall track assembly onto end of detent bracket, so that guide block on bracket fits into slot on the bottom of wall track assembly (36.50" Dimension below is reference only and may vary depending on height adjustments on door). Do not allow bracket to deflect downward severely. Adjust detent bracket in or out to fit guide block securely into slot. Temporarily support other end in place so track is approximately 1/2" higher than end closest to door (door slopes towards closed position). Add fasteners centered in end slots closest to door to fasten this end, but do not fasten far end to wall until doing following steps.

5 While supporting other end of wall track assembly, slowly open door to full open position. Verify that guide block is completely in slot at this end. Adjust height of wall track assembly at this end to fit guide block securely into slot. Verify that panel return stud is inside of door return bracket. Adjust position of door return bracket if needed. Use fasteners to fasten far end of wall track assembly to wall.

6 Manually move door to closed position and check that guide block is completely in slot for full length of door travel. Add fasteners to all center slots to secure to wall.

7 Open & close door several times, checking that door moves freely, and that guide block rides in slot. Adjust height of detent bracket, and vertical position of wall track assembly as needed (Figure 37 & 39). Tighten all fasteners.

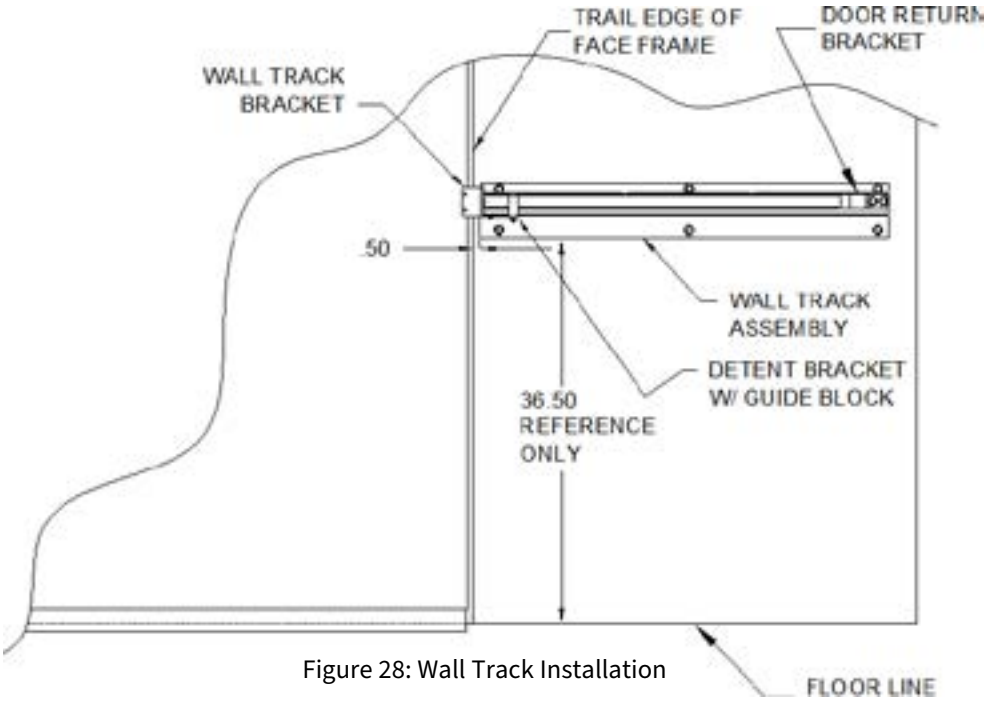


Figure 28: Wall Track Installation

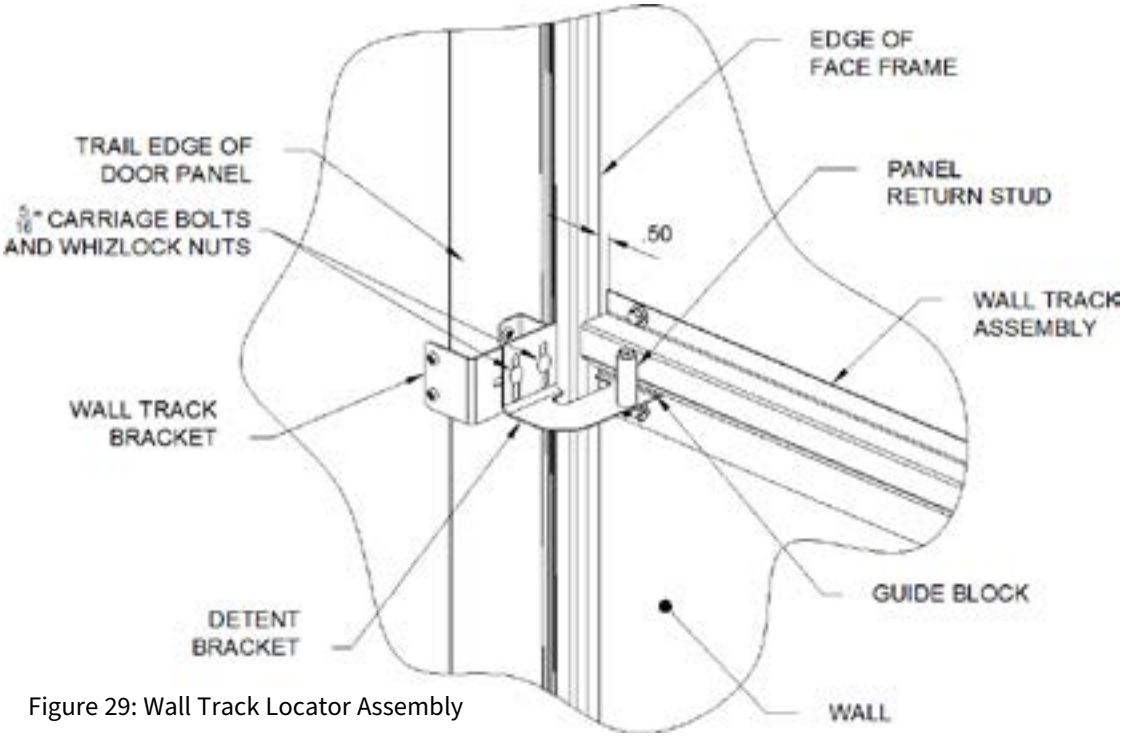


Figure 29: Wall Track Locator Assembly

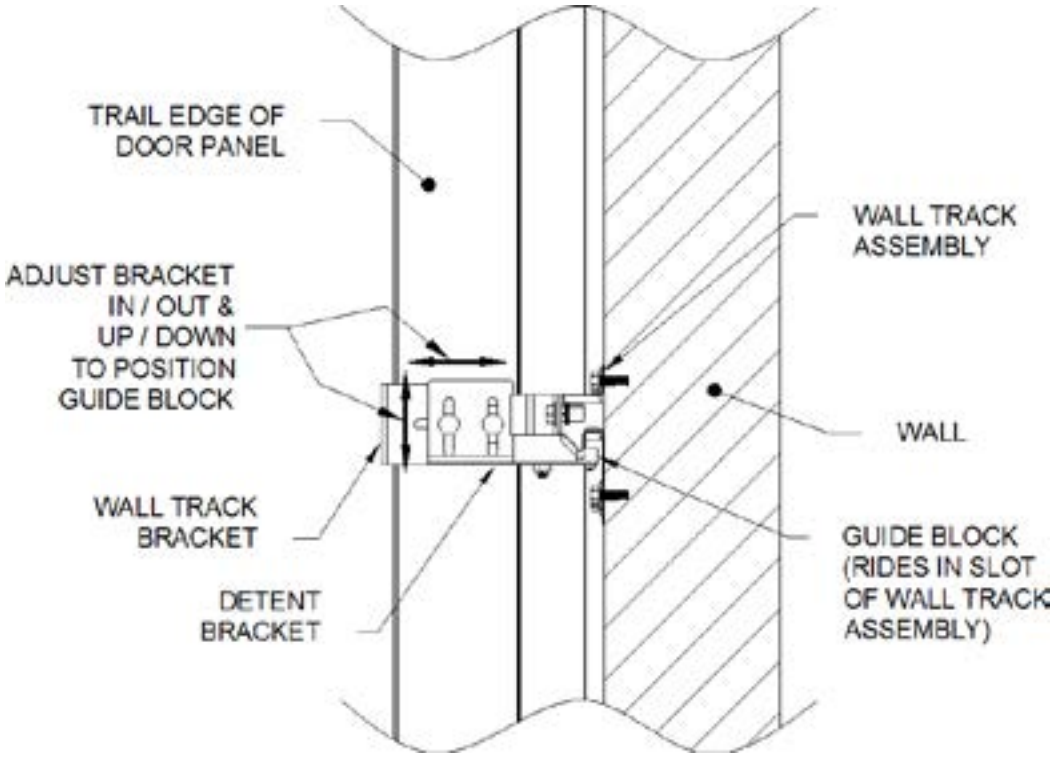


Figure 30: Wall Track Locator Adjustments

NOTE

Note views shown depict installation for a right hand side wall Track. Installation of the left hand side wall track is the same but mirrored to opposite side.

Electrical Controls

⚠ WARNING

Warning control box contains **HIGH VOLTAGE!** The following procedures should be performed by qualified electrical personnel only. Wiring must be permanent as required by all local, state, federal and international, or other governing agency codes. Failure to observe this warning could result in serious injury or death.

NOTE

Note 700 Lb. weight capacity for Operator

Connections:

1 Mount the keypad control station at a suitable height for viewing the display and access to the keypad for start-up and general operation of the door. Make sure all wires from the cable supplied with the keypad control are landed correctly on the logic board in the main control enclosure.

⚠ WARNING

Warning disconnect power at the fused disconnect during all electrical or mechanical service. Disconnect must be properly locked out during maintenance or service of equipment. Failure to disconnect power could result in serious injury or death.

2 Mount pushbuttons or pull-stations per customer preference. Run all wiring per local code

3 DO NOT connect any of the optional activation devices (pull cords, pushbuttons, floor loops, motion sensors) to the logic board input terminal strip until the board has been started up, and the door has made a successful calibration per the following section.

4 Mount fused disconnect (accessible from floor) under control box.

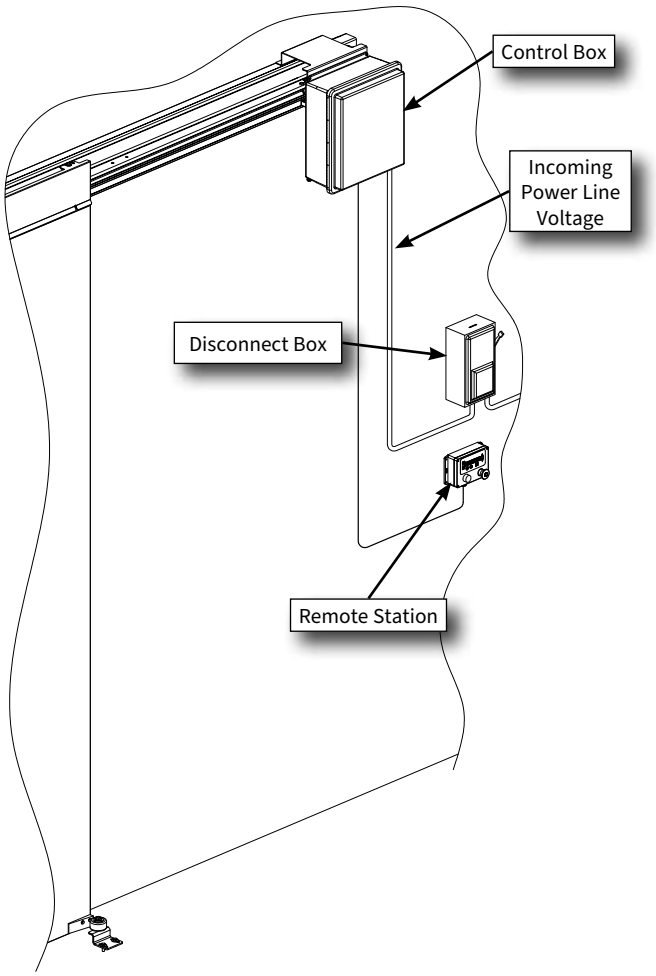


Figure 31: Control Wiring to the Door

NOTE

Note when drilling Control Enclosure, protect components from debris, or resulting damage will void warranty. Drill into bottom of enclosure only.

Note All low voltage wiring should be in separate conduit from power wiring.

NOTE

Note wiring connections can vary depending on specific options included in any particular door system. Refer to wiring schematics for correct wire terminations for your installation. Wiring diagrams are located inside of ASI Control Panel.

NOTE

Note power can be supplied to disconnect later.

5 Remove power at fused disconnect and lockout prior to the following steps.

6 All connections should be made per wiring schematic and diagram found in the envelope located on inside of control box cover. Leave the wiring schematic and diagram in control box.

7 Confirm control voltage on control label matches customer voltage supply. Confirm power supply input selected matches the customer power
supply voltage. Confirm power supply is OFF and connect incoming power.

- 115V/230V Single Phase Supply Voltage:
- 2 power leads plus ground from customer supplied fused disconnect into right side of BOTTOM of control enclosure. Attach leads to L1, L2 and ground terminals inside control box.
- 460V 3 Phase Supply Voltage:
- 3 power leads plus ground from customer supplied fused disconnect into right side of BOTTOM of control enclosure. Attach leads to L1, L2, L3 and ground terminals inside
control box.

8 Mount junction box for heater cable connections.

NOTE

Note steps 8, 9, 10, & 11 are for freezer doors only.

9 Run 115v (typical) power to main junction box on drive side behind control panel. (Figure 41).

10 Make connections in heater junction box per figure #44 on page 29.

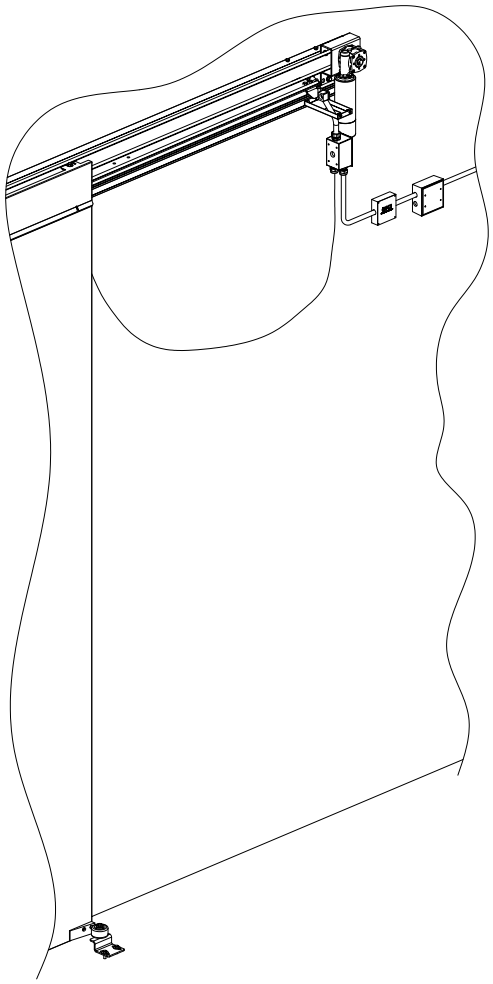


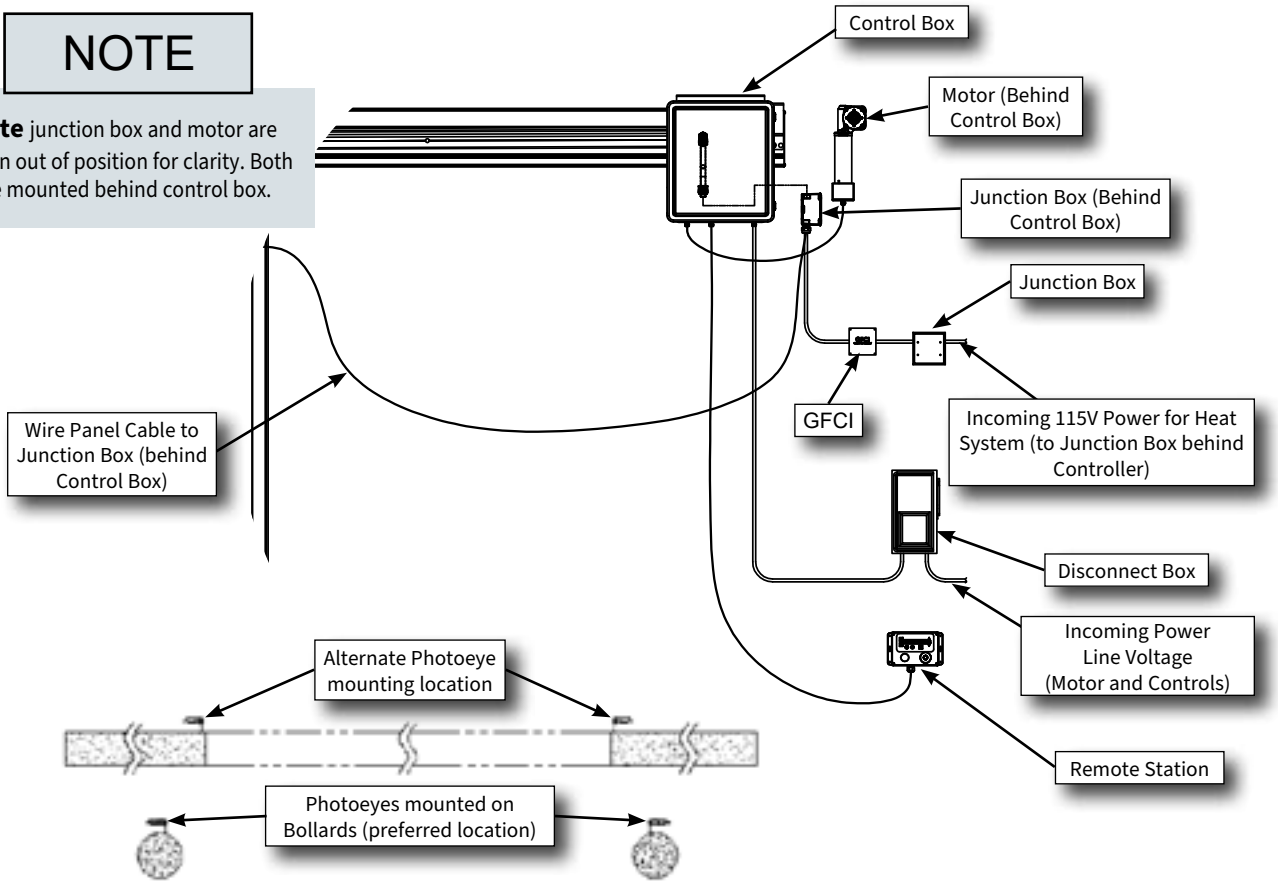
Figure 32: Heat Cable Wiring, Drive Side Panel

⚠ WARNING

Warning to reduce the risk of electrical shock, **DO NOT** connect 115V to a circuit operating at more than 150V to ground.

NOTE

Note junction box and motor are shown out of position for clarity. Both are mounted behind control box.



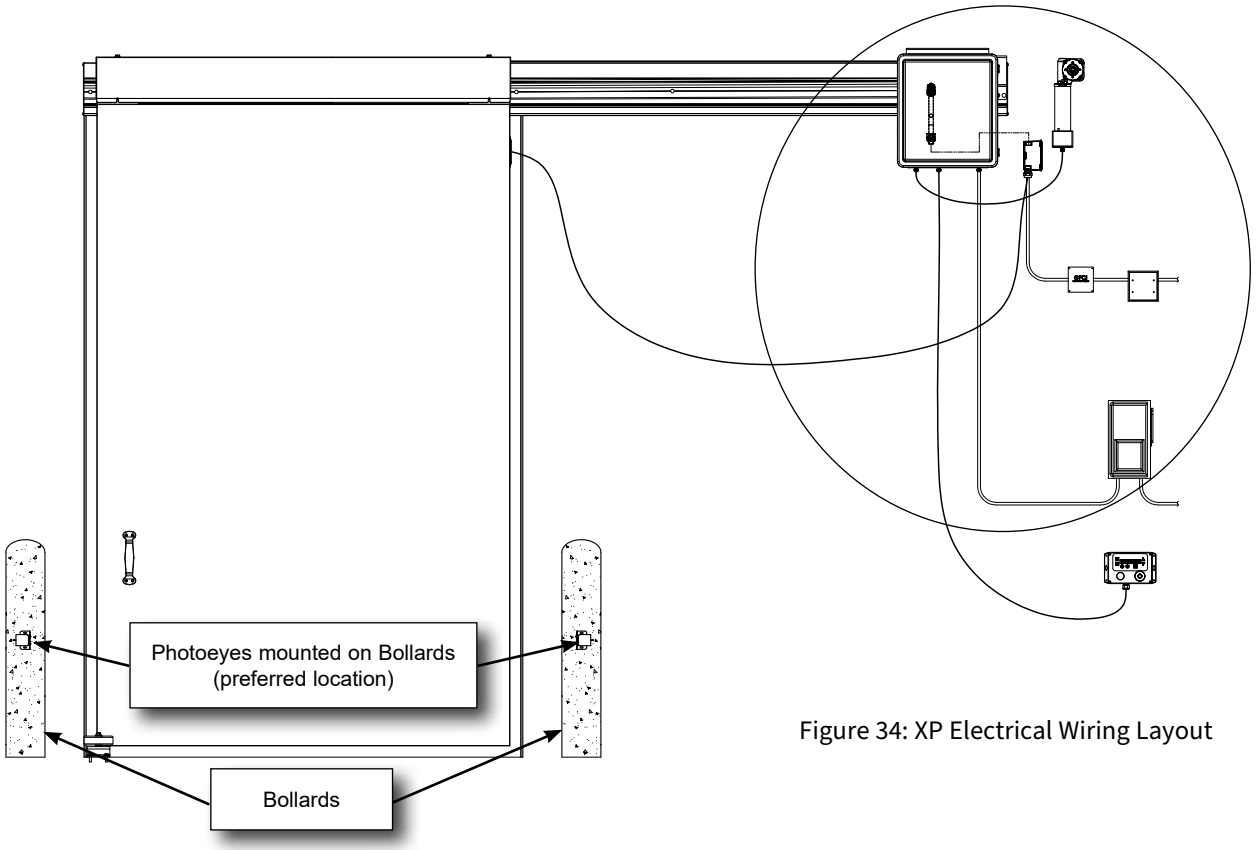


Figure 34: XP Electrical Wiring Layout

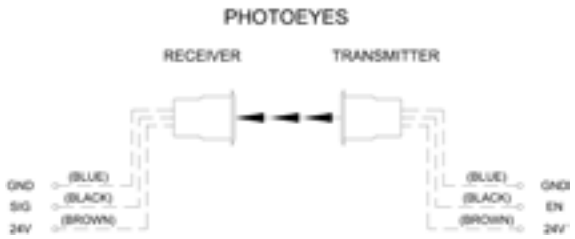


Figure 35: Photoeye Connections

Heater Junction Box on Operator end of Header

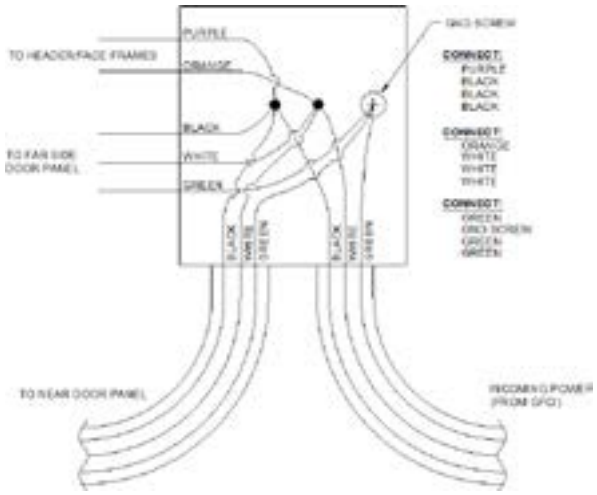


Figure 36: Heater Junction Box Connections

NOTE

Note all wiring is class 2 except terminals noted.

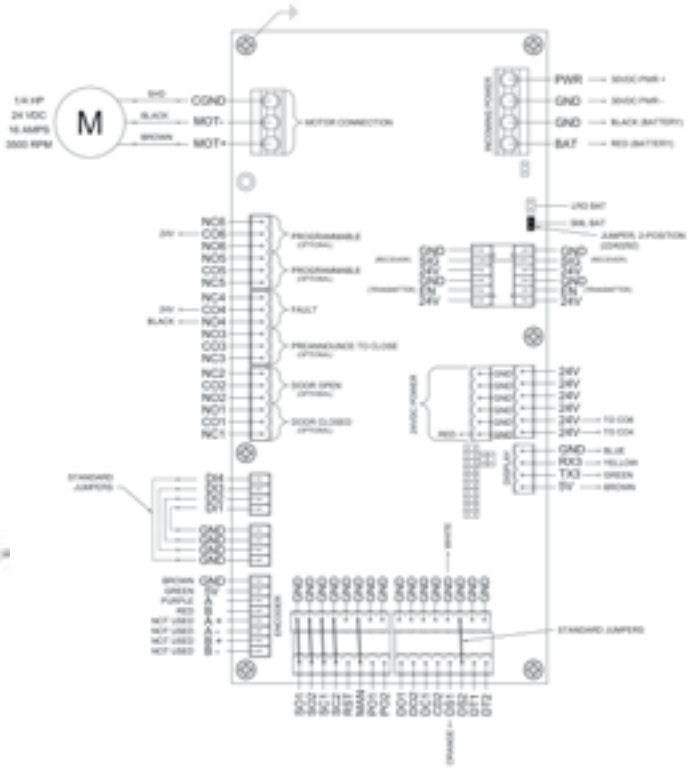


Figure 37: Controller Connections

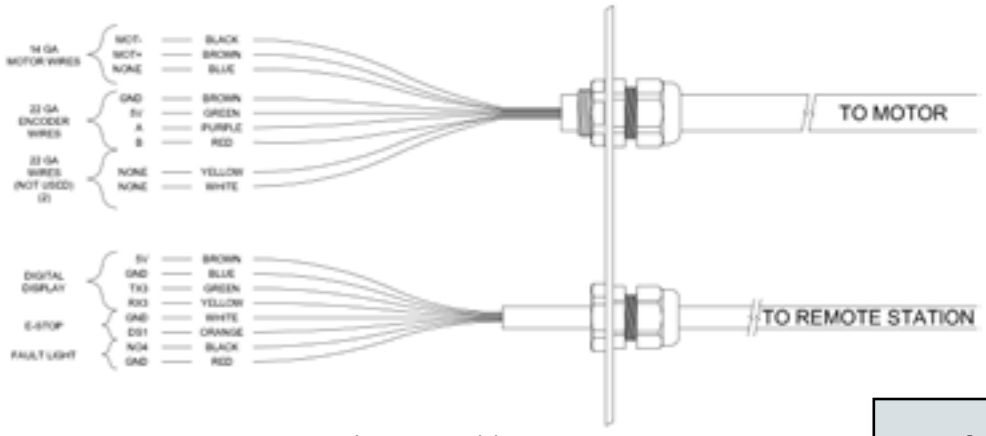


Figure 38: Wiring Harnesses

NOTE

Note details shown are from the standard Control Panel schematic. Refer to drawing shipped with your specific door.

Important Safety Instructions

⚠ WARNING

WARNING observe the following instructions to reduce the risk of serious injury, or death.

IMPORTANT SAFETY INSTRUCTIONS!

1 **READ AND FOLLOW ALL INSTRUCTIONS - SAVE THESE INSTRUCTIONS!**
2 When used in commercial applications: Never let children operate or play with door controls. Keep the remote control (where provided) away from children.
3 When used in general industrial applications: provide door activation control that conform with local ADA and ANSI requirements as needed.
4 Personnel should keep away from a door in motion and keep the moving door in sight until it is completely closed or opened. **NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR**.
5 Test the door's safety features at least once a month. After adjusting either the force or the limit of travel, retest the door operator's safety features. Failure to adjust the operator properly may cause severe injury or death.
6 **KEEP DOORS PROPERLY OPERATING AND WELL MAINTAINED**. (See maintenance section) An improperly operating or adjusted door could cause severe injury or death. Have trained door systems technician make repairs to belts, drive components, and other mechanical hardware.

Start-Up & Operation

⚠ WARNING

Warning read and understand the start-up procedure in this manual before attempting to power-up the door. Failure to do so could result in damage to the door, serious injury and will nullify all warranties.

Start-Up and Operation of Door

1 Position door panel manually to about a half open position.
2 Make sure E-stop button is pulled out
3 Apply incoming power

Calibration can now be started using the keypad control station

4 Note display text should read 'DOOR POWER UP'
5 Press 'OPEN' input to begin door calibration run. Door will travel slowly to open end stop; then door will close automatically. Display will read 'DOOR LEARNING' while calibrating.
6 After calibration door is now ready for normal operation. Display will read:
   - 'ASI DOORS'
   - '_ _ _ CYCLES'

⚠ WARNING

Warning before performing Start-Up procedures on Door, review Important Safety Instructions detailed on Page 3.

NOTE

Note before turning on electrical power, make sure the door is connected to the drive.

⚠ WARNING

Warning hen powering up door to check phasing, be prepared to disconnect power immediately if phasing is wrong (Door travels in the wrong direction). Failure to do so could result in damage to the door or serious injury.

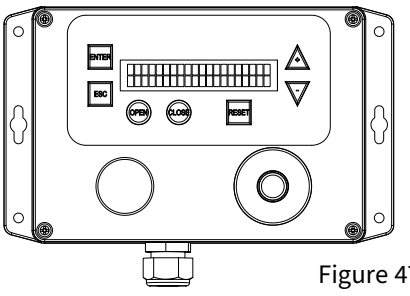


Figure 47: XP Remote Station

⚠ WARNING

WARNING DO NOT put the door into operation until door is fully functional and adjusted. Failure to do so could result in property damage or serious injury.

Navigating Menus:

General Programming Notes

1 From the home screen press ESCAPE to access the password entry screen.
2 Enter the password required followed by ENTER to access a given menu.
3 Use the arrow keys within each menu to scroll through the list of available parameters.
4 Press ENTER on the selected parameter to allow adjustment.
5 Use the arrow keys to adjust the parameter.
6 Press ENTER after adjusting the parameter to save changes.
7 Pressing ESCAPE will exit parameter adjustment without saving changes.
8 After 2 minutes of inactivity the display will return to the home screen, pressing ESCAPE will go directly back to the home screen.

Basic Adjustments:

Time Delay Close (Auto-Close)

- Password: 10
- Parameter: SET AUTO-CLOSE DELAY
- Setting: Use the arrow keys to set the # of seconds after the door reaches full open to begin automatic closing. A setting of 0 disables auto close.
- Notes: The auto-close timer begins when the door reaches the full open position and the activating pushbutton or contact has been released and the reversing photo-eyes are not detecting any obstacles. The timer will reset whenever a signal from an open or partial open input is received or when a signal is removed from the reversing photo-eye, or stop input.

Preannounce to Close

- Password: 10
- Parameter: SET PREANNOUNCE DELAY
- Setting: Use the arrow keys to set the # of seconds before the door begins to automatically close to activate a strobe or sounder. A Setting of 0 disables preannounce to close.
- Notes: In order to use this functionality an output relay must be programmed to work in conjunction with this timer.

Open Speed

- Password: 777
- Parameter: SET OPEN VELOCITY
- Setting: Use the arrow keys to set the opening speed of the door. Values from 0-100%, higher values indicate higher opening speed.

Close Speed

- Password: 777
- Parameter: SET CLOSE VELOCITY
- Setting: Use the arrow keys to set the opening speed of the door. Values from 0-40%, higher values indicate higher closing speed.
- Notes: Adjustment of the closing speed may affect the sensitivity of the door reversal.

Reversing Sensitivity

- Password: 777
- Parameter: SET REOPEN TORQUE
- Setting: Use the arrow keys to set the level of sensitivity for door reversals. Values from 0-100, lower values indicate more sensitivity.
- Notes: Setting the sensitivity too low may cause phantom reversals while the door is closing. The sensitivity is affected by door size, weight, gasket drag, and closing speed. These items should all be adjusted before attempting to fine tune this setting.

Troubleshooting

Problem	Corrective Measures
A. Fault Startup Inputs: (Fault Indicator light is lit up) During power up or when pulling out the E-stop an incorrect activation input status is present.	a. Check all input wiring per the “Standard Input Status” chart. b. Correct any wiring issues. c. Press “Reset”
B. Encoder Fault: (Fault Indicator light is lit up) Indicates no encoder feedback or encoder turning wrong direction.	a. Verify encoder wiring per schematic. b. Press “Reset” c. Re-calibrate door.
C. Door begins to calibrate and then abruptly stops. Fault Condition Indicates “Fault Startup Inputs”.	a. Check all input wiring per the “Standard Input Status” chart. b. Correct any wiring issues, especially Photoeyes. c. Attempt to Calibrate door.
D. Door completes calibration cycle and immediately goes into fault. Fault Condition Indicates “Fault Startup Inputs”.	a. Check all input wiring per the “Standard Input Status” chart. b. Correct any wiring issues. c. Attempt to Calibrate door.
E. Door won’t close.	a. Check for objects blocking reversing Photoeyes. b. Check all Photoeye wiring per schematic. 2 green LED’s must be on for door to close
F. Door will not reach full closed position (reverses in middle of travel).	a. Check for obstructions in path of door travel. b. Adjust Re-open torque value (See “Door Control Setting Adjustments”). Increase value in increments of 5 and test for proper operation.
G. Door almost reaches full closed, and then abruptly reverses to full open.	a. Check for obstructions in path of door travel. b. Loosen lead edge floor roller. c. Adjust Re-open torque value (See “Door Control Setting Adjustments”). Increase value in increments of 5 and test for proper operation.
H. Door slams into end stop during opening.	a. Check belt tension, tighten as necessary. b. Re-calibrate door.

Figure 40: Trouble Shooting Table

Door Input Status

- Password: 10
- Parameter: SHOW INPUT STATUS
- Setting: Once in this setting the status of each wiring input can be viewed. Use the arrow keys to scroll through the various inputs.

Notes:

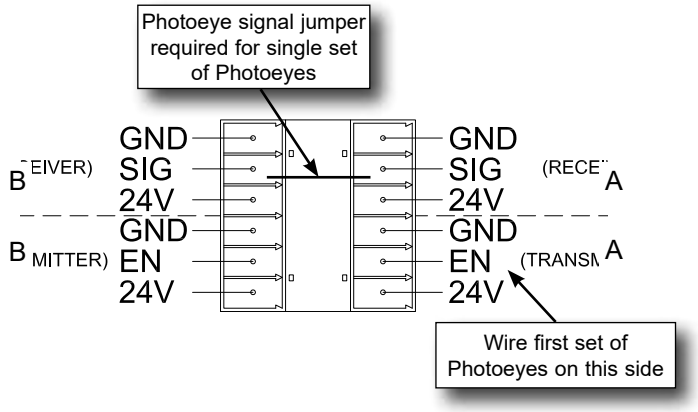
1 A value of 0 indicates the input is not triggered, a value of 1 indicates that the input is triggered.

2 Values in list (Figure 49) show standard input status of stationary door in a ready to operate state.

3 These values correspond to the LED indicators for each input on the control board (0=LED off/1=LED on).

Input Type	Wiring Terminal	Status
DOOR OPEN 1	(Input DO1)	0
DOOR OPEN 2	(Input DO2)	0
DOOR CLOSE 1	(Input DC1)	0
DOOR CLOSE 2	(Input DC2)	0
DOOR STOP 1	(Input DS1)	1
DOOR STOP 2	(Input DS2)	1
DOOR TOGGLE 1	(Input DT1)	0
DOOR TOGGLE 2	(Input DT2)	0
DOOR STOP OPEN 1	(Input SO1)	1
DOOR STOP OPEN 2	(Input SO2)	1
DOOR STOP CLOSE 1	(Input SC1)	1
DOOR STOP CLOSE 2	(Input SC2)	1
DOOR FAULT RESET	(Input RST)	0
DOOR MAN OVERRIDE	(Input MAN)	1
DOOR PART OPEN 1	(Input PO1)	0
DOOR PART OPEN2	(Input PO2)	0
DOOR INTERLOCK 3	(Input DI4)	1
DOOR INTERLOCK 2	(Input DI3)	1
DOOR INTERLOCK 1	(Input DI2)	1
DOOR INTERLOCK 0	(Input DI1)	1

Figure 41: Input Wiring Status Table



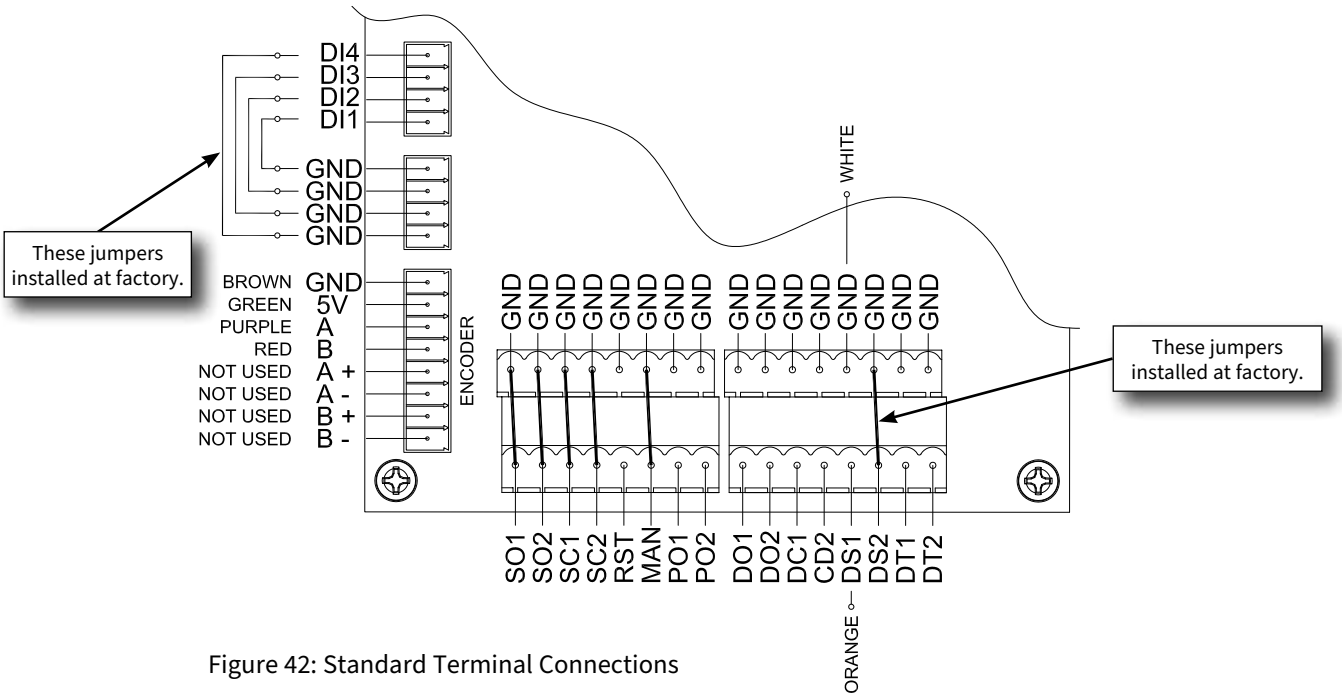


Figure 42: Standard Terminal Connections

Preventative Maintenance

Preventative Maintenance Daily & Monthly		
	Daily	Monthly
Check Door Operation		
Visual Damage Inspection		
Inspect all Activation Devices		
Photo eye Inspection		
Inspect Torque Reverse		
Inspect Mounting Hardware		
Inspect Operator Hardware		
Seal Inspection		
Belt Inspection (Power Doors)		
Control Box Inspection (Power Doors)		
Electrical Connections (Power and Freezer Doors)		

Figure 51: Preventative Maintenance Table

DAILY:

1 CHECK DOOR OPERATION: Check for proper operation and inspect door for damage.
2 VISUAL DAMAGE INSPECTION: Visually inspect the door to see that components have not been damaged.
3 INSPECT ALL ACTIVATION DEVICES: Check activation devices for proper operation.
4 INSPECT PHOTOEYES: Check photo eyes for proper operation.

MONTHLY:

1 INSPECT TORQUE REVERSE: Adjust re-open torque reverse value if necessary.
2 INSPECT MOUNTING HARDWARE: Check mounting hardware, including frame, header and door panel, tighten where necessary.
3 INSPECT OPERATOR HARDWARE: Check operator mounting bolts, and all bolts and nuts of the operator assembly. During run-in period, these attachments may loosen.
4 SEAL INSPECTION: Check for a tight door seal and adjust as per door adjustment section. Check gaskets for wear. Replace if worn or torn. See Replacement Parts Section.
5 BELT INSPECTION (Power Doors): Check drive belt for wear and tension.
6 CONTROL BOX INSPECTION: Check control box wiring. All wires should be tightly secured to terminals.
7 ELECTRICAL CONNECTIONS (Power And Freezer Doors): Check incoming electrical connections.

Instructions for Ordering

This parts manual is intended to assist in the correct identification of the more commonly replaced parts; covering, generally, all models and styles offered within the marathon pharm. Line. The manual will also help identify obsolete parts, part design changes and current production parts. For more specific parts information, please contact an authorized representative or consult the factory's customer service or engineering departments. Asi doors reserves the right to discontinue any part and make design changes without notice.

General Instructions for Ordering Door Parts

Accurate information is always necessary to serve you correctly and promptly. Several steps should be followed to determine exactly the parts that are needed.

Refer to the information tag on your door and record the:

1. Door model number
2. Job number
3. Door number
4. Manufacturing date.

Use part numbers referenced in this manual.

If the item is not found in the manual, the product code on the back of the item is helpful.

If your door has no information label, the approximate purchase date is helpful.

Call

1-800-558-7068

or visit

asidoors.com/parts

to order parts

Door Identification

Determining the Job Number, Model and Year of Manufacture of your door is necessary to provide quick and accurate parts identification. The following is a description of labels and their locations.

When ordering parts, specify Job Number, Door Number and Manufacture Date

Product Labels:

Manual Doors

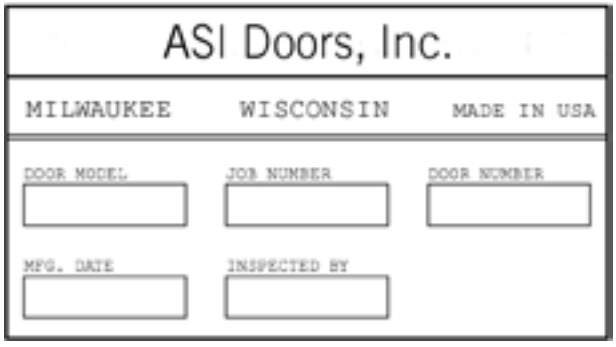


Figure 44: ID Label - Manual Door

Power Doors

Figure 45: ID Label - Power Door

ID Tag Location

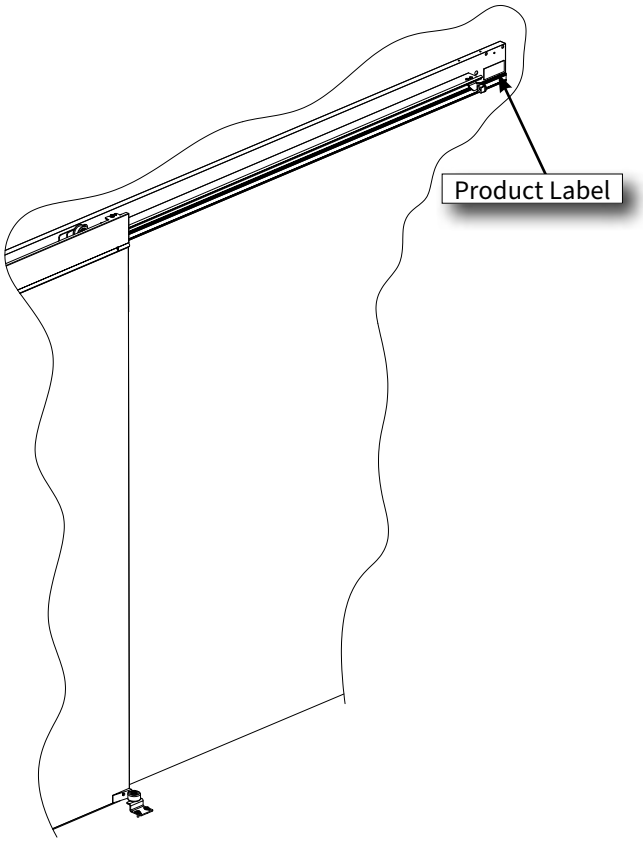


Figure 46: Label Location - Manual Door

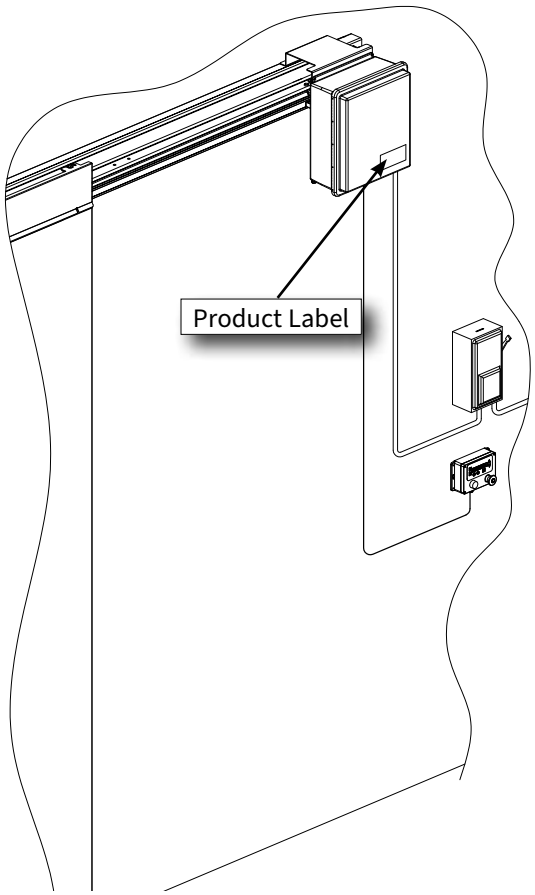
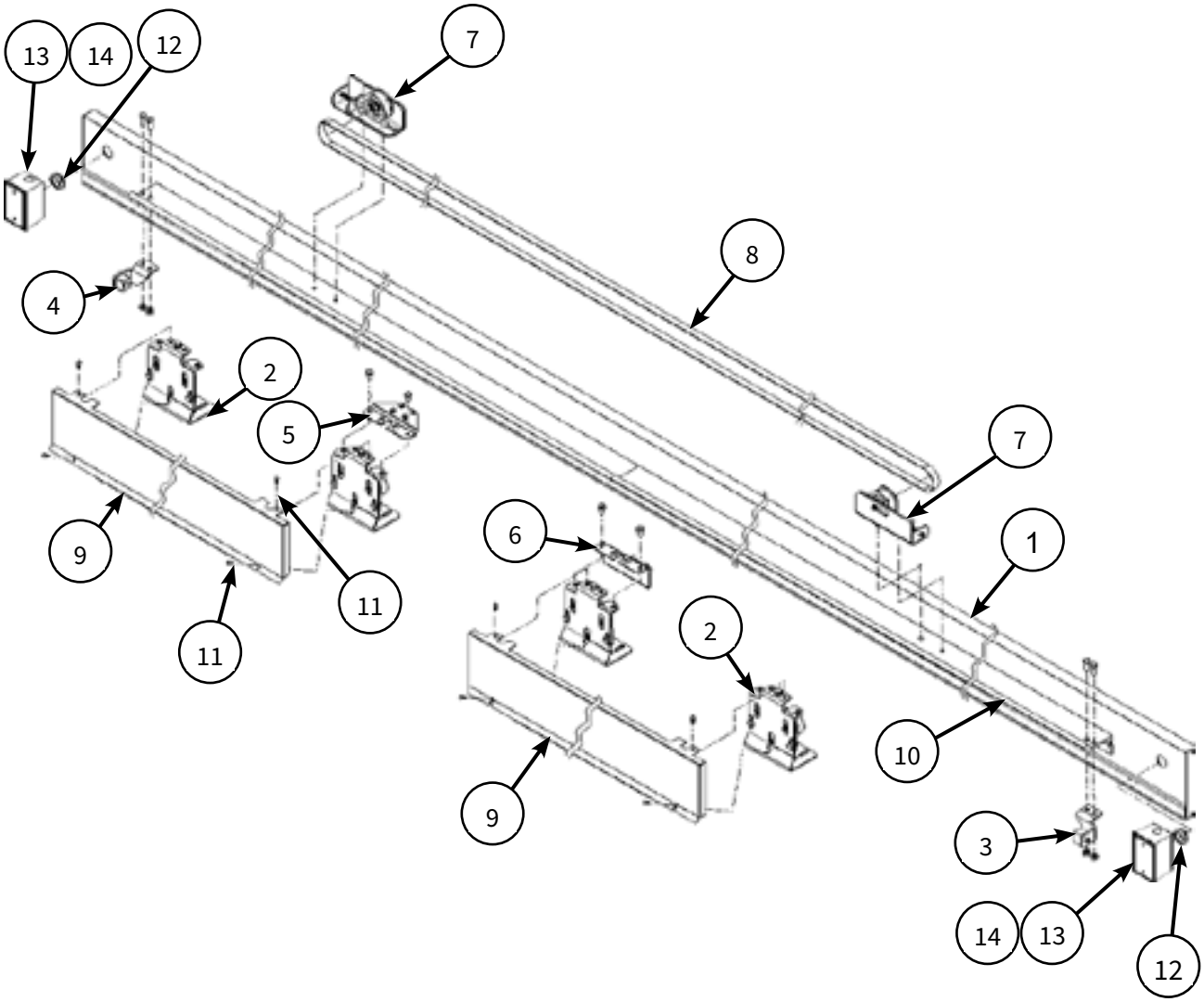


Figure 47: Label Location - Power Door

REPLACEMENT PARTS

Manual Header Assemblies



NOTE

Note views shown are RH assemblies. LH assemblies are the same except components are mirrored from view shown.

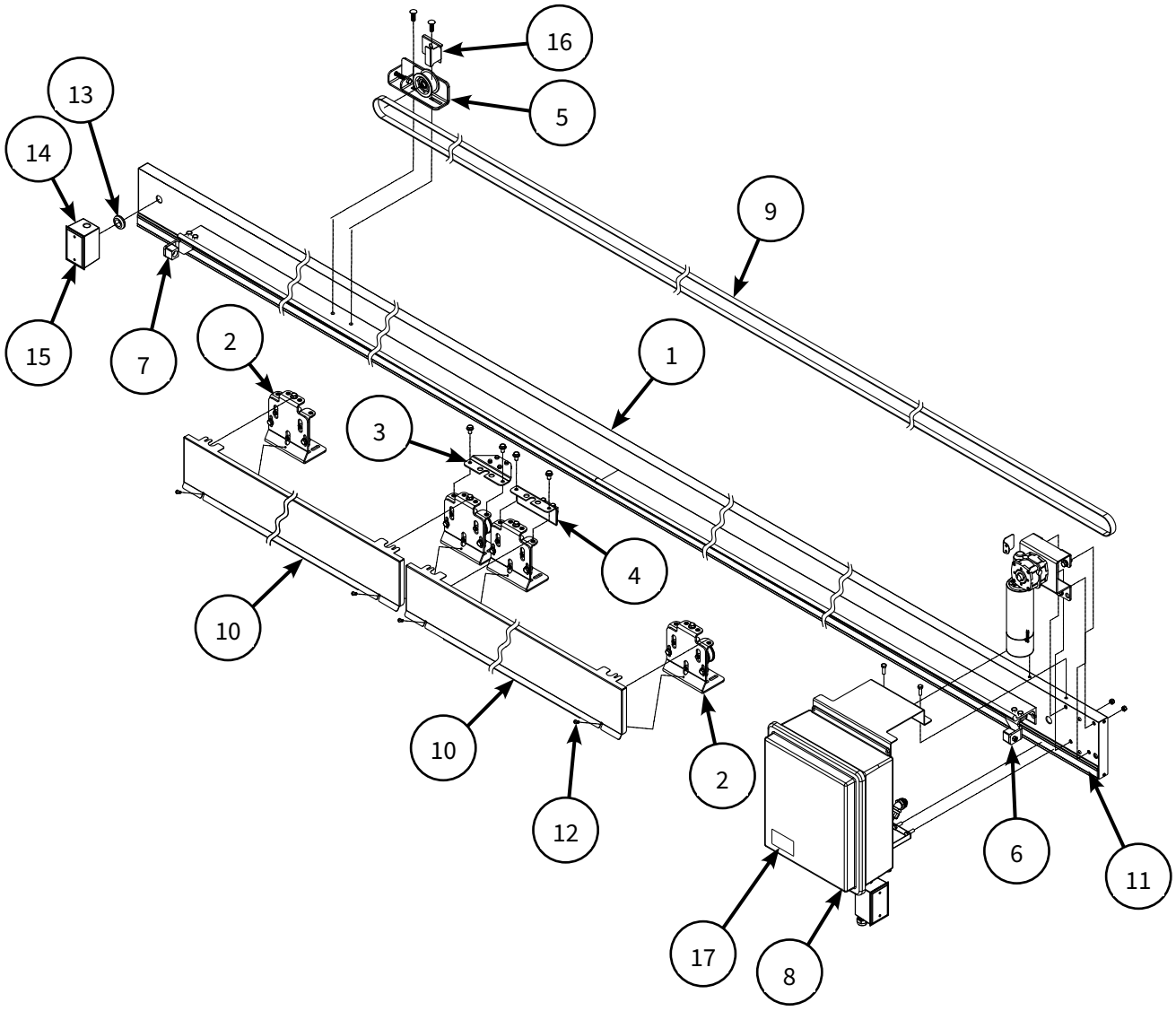
When ordering parts, specify Job Number, Door Number and Manufacture Date

Manual Header Assemblies Continued

DESCRIPTION	HEADER #
ASM, HEADER, BI-PART, MANUAL, ALUM, XP-2, AL & GV, WIC <=96”	80B0004NVF1
ASM, HEADER, BI-PART, MANUAL, ALUM, XP-2, AL & SS, WIC <=96”	80B0004NVF2
ASM, HEADER, BI-PART, MANUAL, ALUM, XP-2, AL & GV, WIC >96”	80B0004NVF3
ASM, HEADER, BI-PART, MANUAL, ALUM, XP-2, AL & SS, WIC >96”	80B0004NVF4
ASM, HEADER, BI-PART, MANUAL, SS	80B0008NV20

DESCRIPTION	PART #	ITEM #
ASM, HEADER, BI-PART, MAN, ALUM, XP-2, AL & GV, WIC <=96”	24B0533NVF1	1
ASM, HEADER, BI-PART, MAN, ALUM, XP-2, AL & SS, WIC <=96”	24B0533NVF2	1
ASM, HEADER, BI-PART, MAN, ALUM, XP-2, AL & GV, WIC >96”	24B0533NVF3	1
ASM, HEADER, BI-PART, MAN, ALUM, XP-2, AL & SS, WIC >96”	24B0533NVF4	1
WLDMNT, HEADER, BI-PART, MANUAL, SS	28B0370NV20	1
TROLLEY ASM, LH, XP-2, ZN	24B0563LN10	2
TROLLEY ASM, LH, XP-2, SS	24B0563LN20	2
TROLLEY ASM, RH, XP-2, ZN	24B0563RN10	2
TROLLEY ASM, RH, XP-2, SS	24B0563RN20	2
ASM, END STOP, LH, XP HEADER, ZN	24B0377LN10	3
ASM, END STOP, LH, XP HEADER, SS, ZN	24B0377LN20	3
ASM, END STOP, RH, XP HEADER, ZN	24B0377RN10	4
ASM, END STOP, RH, XP HEADER, SS	24B0377RN20	4
ASM, BELT BRKT W/CLAMP, UPPER, XP-2, ZN	24B0557NN10	5
ASM, BELT BRKT W/CLAMP, UPPER, XP-2, SS	24B0557NN20	5
ASM, BELT BRKT W/CLAMP, LOWER, XP-2, ZN	24B0559NN10	6
ASM, BELT BRKT W/CLAMP, LOWER, XP-2, SS	24B0559NN20	6
ASM, IDLER, XP-2, ZN	24B0536NN10	7
ASM, IDLER, XP-2, SS	24B0536NN20	7
BELT, DRIVE, HTD-8mm PITCH, 20mm, (WIC * 3) + 22”	50B0073NN	8
COVER, TROLLEY, BI-PART, XP, SS	13B1992NV20	9
COVER, TROLLEY, BI-PART, XP, WHT STUCCO	13B1992NV30	9
STRIP, HDPE, HEADER,XP-2, (WIC * 2) + 27”	11A0184NN	10
SCREW, 1/4-20 x .625, BU/HD, SS	41A535	11
GROMMET, .875 ID (FREEZER ONLY)	11A086	12
JUNCTION BOX, WEATHERPROOF, 1-GANG (FREEZER ONLY)	22B029	13
BELL BOX, COVER AND GASKET (FREEZER ONLY)	22A084	14

Power Header Assemblies



DESCRIPTION	HEADER #
ASM, HEADER, BI-PART, RH, PWR, ALUM, XP-2, AL & GV, WIC <=96”	80B0003RVF1
ASM, HEADER, BI-PART, RH, PWR, ALUM, XP-2, AL & SS, WIC <=96”	80B0003RVF2
ASM, HEADER, BI-PART, RH, PWR, ALUM, XP-2, AL & GV, WIC >96”	80B0003RVF3
ASM, HEADER, BI-PART, RH, PWR, ALUM, XP-2, AL & SS, WIC >96”	80B0003RVF4
ASM, HEADER, BI-PART, LH, PWR, ALUM, XP-2, AL & GV, WIC <=96”	80B0003LVF1
ASM, HEADER, BI-PART, LH, PWR, ALUM, XP-2, AL & SS, WIC <=96”	80B0003LVF2
ASM, HEADER, BI-PART, LH, PWR, ALUM, XP-2, AL & GV, WIC >96”	80B0003LVF3
ASM, HEADER, BI-PART, LH, PWR, ALUM, XP-2, AL & SS, WIC >96”	80B0003LVF4
ASM, HEADER, BI-PART, RH, PWR, SS	80B0007RV20
ASM, HEADER, BI-PART, LH, PWR, SS	80B0007LV20

Power Header Assemblies Continued

DESCRIPTION	PART #	ITEM #
ASM, HEADER, BI-PART, PWR, LH DRV, AL & GV, WIC <=96”	24B0532LVF1	1
ASM, HEADER, BI-PART, PWR, LH DRV, AL & SS, WIC <=96”	24B0532LVF2	1
ASM, HEADER, BI-PART, PWR, LH DRV, AL & GV, WIC >96”	24B0532LVF3	1
ASM, HEADER, BI-PART, PWR, LH DRV, AL & SS, WIC >96”	24B0532LVF4	1
ASM, HEADER, BI-PART, PWR, RH DRV, AL & GV, WIC <=96”	24B0532RVF1	1
ASM, HEADER, BI-PART, PWR, RH DRV, AL & SS, WIC <=96”	24B0532RVF2	1
ASM, HEADER, BI-PART, PWR, RH DRV, AL & GV, WIC >96”	24B0532RVF3	1
ASM, HEADER, BI-PART, PWR, RH DRV, AL & SS, WIC >96”	24B0532RVF4	1
WLDMNT, HEADER, BI-PART, PWR, LH DRV, SS	28B0369LV20	1
WLDMNT, HEADER, BI-PART, PWR, RH DRV, SS	28B0369RV20	1
TROLLEY ASM, LH, XP-2, ZN	24B0563LN10	2
TROLLEY ASM, LH, XP-2, SS	24B0563LN20	2
TROLLEY ASM, RH, XP-2, ZN	24B0563RN10	2
TROLLEY ASM, RH, XP-2, SS	24B0563RN20	2
ASM, BELT BRKT W/CLAMP, UPPER, XP-2, ZN	24B0557NN10	3
ASM, BELT BRKT W/CLAMP, UPPER, XP-2, SS	24B0557NN20	3
ASM, BELT BRKT W/CLAMP, LOWER, XP-2, ZN	24B0559NN10	4
ASM, BELT BRKT W/CLAMP, LOWER, XP-2, SS	24B0559NN20	4
ASM, IDLER, XP-2, ZN	24B0536NN10	5
ASM, IDLER, XP-2, SS	24B0536NN20	5
ASM, END STOP, LH, XP HEADER, ZN	24B0377LN10	6
ASM, END STOP, LH, XP HEADER, SS	24B0377LN20	6
ASM, END STOP, RH, XP HEADER, ZN	24B0377RN10	7
ASM, END STOP, RH, XP HEADER, SS	24B0377RN20	7
OPTION, DRIVE & CONTROL	55B0075	8
BELT, DRIVE, HTD-8MM PITCH, 20MM, (WIC * 3) + 42”	50B0073NN	9
COVER, TROLLEY, BI-PART, XP, SS	13B2556NV20	10
COVER, TROLLEY, BI-PART, XP, WHT STUCCO	13B2556NV30	10
STRIP, HDPE, HEADER, (WIC * 2) + 27”	11A0184NN	11
SCREW, 1/4-20 x .625, BU/HD, SS	41A535	12
GROMMET, .875 ID	11A086	13
JUNCTION BOX, WEATHERPROOF, 1-GANG	22B029	14
BELL BOX, COVER AND GASKET	22A084	15
LABEL, SAFETY WARNING, MINIMUM DOOR OPENING HEIGHT	17A0296	16
BELT GUARD, IDLER, XP HEADERS (DOORS < 7’ 6” HIC ONLY)	13B2497	17

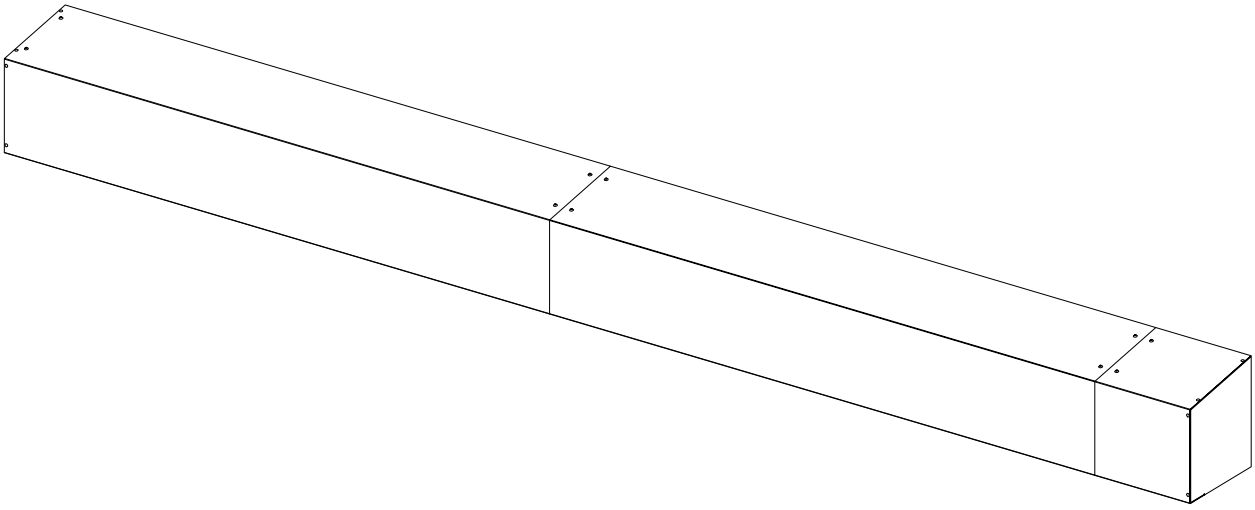
NOTE

Note views shown are RH assemblies. LH assemblies are the same except components are mirrored from view shown.

When ordering parts, specify Job Number, Door Number and Manufacture Date

Manual Header Shrouds

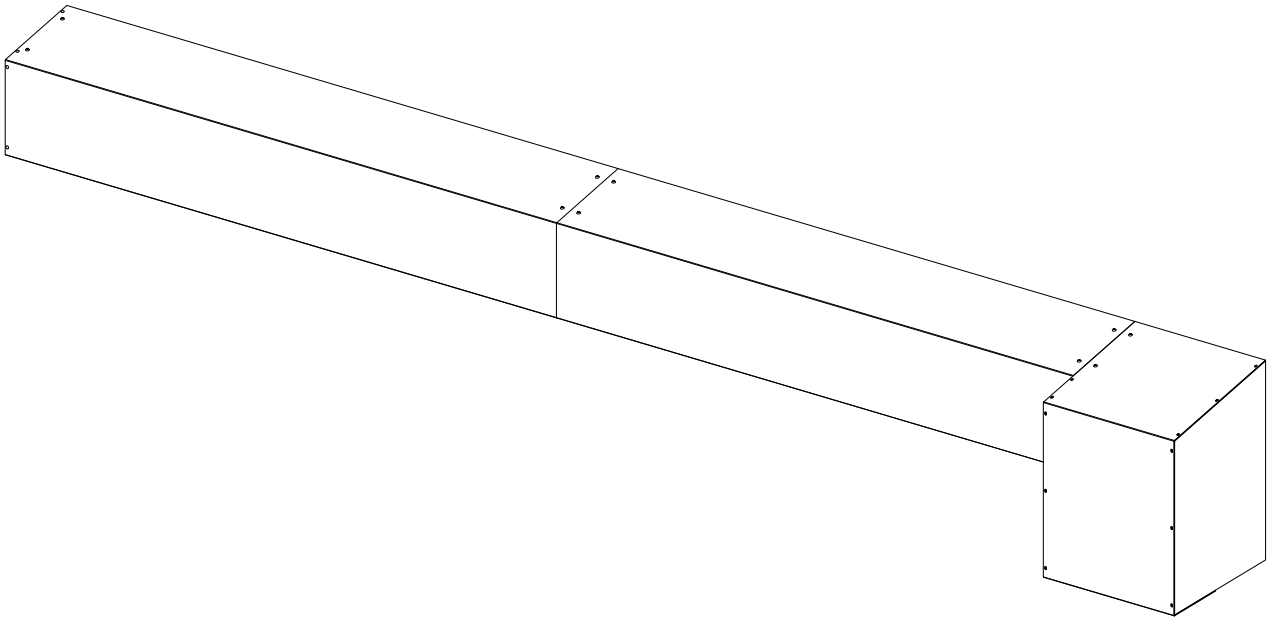
F16	F15	F14	F13	F12	F11	F10	F09	DESCRIPTION	PART#
-	-	-	-	-	-	-	X	OPTION, SHROUD, XP2, BI-PART, MAN, LH, WIC<=72", GV	55B0247F09
-	-	-	-	-	-	X	-	OPTION, SHROUD, XP2, BI-PART, MAN, LH, WIC<=72", SS	55B0247F10
-	-	-	-	-	X	-	-	OPTION, SHROUD, XP2, BI-PART, MAN, RH, WIC<=72", GV	55B0247F11
-	-	-	-	X	-	-	-	OPTION, SHROUD, XP2, BI-PART, MAN, RH, WIC<=72", SS	55B0247F12
-	-	-	X	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, MAN, LH, WIC>72", GV	55B0247F13
-	-	X	-	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, MAN, LH, WIC>72", SS	55B0247F14
-	X	-	-	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, MAN, RH, WIC>72", GV	55B0247F15
X	-	-	-	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, MAN, RH, WIC>72", SS	55B0247F16
-	-	-	-	-	-	-	1	ASM, SHROUD, XP2, BI-PART, MAN, LH, WIC<=72", GV	24B0782LV10
-	-	-	-	-	-	1	-	ASM, SHROUD, XP2, BI-PART, MAN, LH, WIC<=72", SS	24B0782LV20
-	-	-	-	-	1	-	-	ASM, SHROUD, XP2, BI-PART, MAN, RH, WIC<=72", GV	24B0782RV10
-	-	-	-	1	-	-	-	ASM, SHROUD, XP2, BI-PART, MAN, RH, WIC<=72", SS	24B0782RV20
-	-	-	1	-	-	-	-	ASM, SHROUD, XP2, BI-PART, MAN, LH, WIC>72", GV	24B0783LV10
-	-	1	-	-	-	-	-	ASM, SHROUD, XP2, BI-PART, MAN, LH, WIC>72", SS	24B0783LV20
-	1	-	-	-	-	-	-	ASM, SHROUD, XP2, BI-PART, MAN, RH, WIC>72", GV	24B0783RV10
1	-	-	-	-	-	-	-	ASM, SHROUD, XP2, BI-PART, MAN, RH, WIC>72", SS	24B0783RV20
1	1	1	1	1	1	1	1	SHROUD BRACKET REPLACEMENT REFERENCE DWG.	17B0062



When ordering parts, specify Job Number, Door Number and Manufacture Date

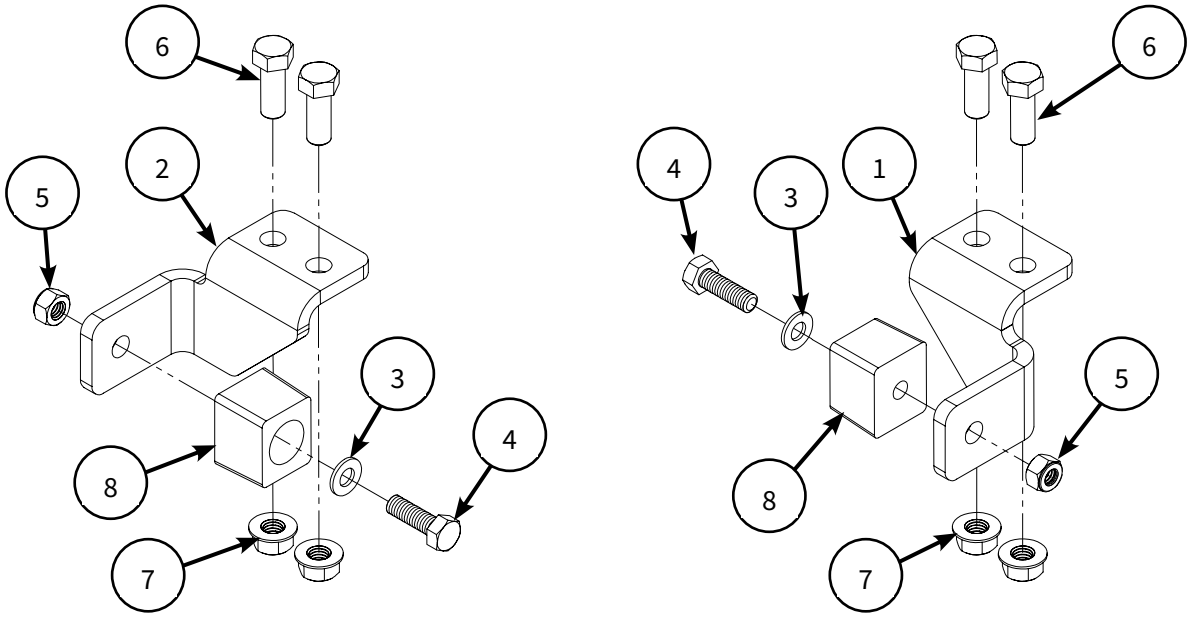
Power Header Shrouds

F16	F15	F14	F13	F12	F11	F10	F09	DESCRIPTION	PART#
-	-	-	-	-	-	-	X	OPTION, SHROUD, XP2, BI-PART, PWR, LH, WIC<=72", GV	55B0245F09
-	-	-	-	-	-	X	-	OPTION, SHROUD, XP2, BI-PART, PWR, LH, WIC<=72", SS	55B0245F10
-	-	-	-	-	X	-	-	OPTION, SHROUD, XP2, BI-PART, PWR, RH, WIC<=72", GV	55B0245F11
-	-	-	-	X	-	-	-	OPTION, SHROUD, XP2, BI-PART, PWR, RH, WIC<=72", SS	55B0245F12
-	-	-	X	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, PWR, LH, WIC>72", GV	55B0245F13
-	-	X	-	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, PWR, LH, WIC>72", SS	55B0245F14
-	X	-	-	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, PWR, RH, WIC>72", GV	55B0245F15
X	-	-	-	-	-	-	-	OPTION, SHROUD, XP2, BI-PART, PWR, RH, WIC>72", SS	55B0245F16
-	-	-	-	-	-	-	1	ASM, SHROUD, XP2, BI-PART, PWR, LH, WIC<=72", GV	24B0772LV10
-	-	-	-	-	-	1	-	ASM, SHROUD, XP2, BI-PART, PWR, LH, WIC<=72", SS	24B0772LV20
-	-	-	-	-	1	-	-	ASM, SHROUD, XP2, BI-PART, PWR, RH, WIC<=72", GV	24B0772RV10
-	-	-	-	1	-	-	-	ASM, SHROUD, XP2, BI-PART, PWR, RH, WIC<=72", SS	24B0772RV20
-	-	-	1	-	-	-	-	ASM, SHROUD, XP2, BI-PART, PWR, LH, WIC>72", GV	24B0773LV10
-	-	1	-	-	-	-	-	ASM, SHROUD, XP2, BI-PART, PWR, LH, WIC>72", SS	24B0773LV20
-	1	-	-	-	-	-	-	ASM, SHROUD, XP2, BI-PART, PWR, RH, WIC>72", GV	24B0773RV10
1	-	-	-	-	-	-	-	ASM, SHROUD, XP2, BI-PART, PWR, RH, WIC>72", SS	24B0773RV20
1	1	1	1	1	1	1	1	SHROUD BRACKET PLACEMENT REFERENCE DWG.	17B0062



When ordering parts, specify Job Number, Door Number and Manufacture Date

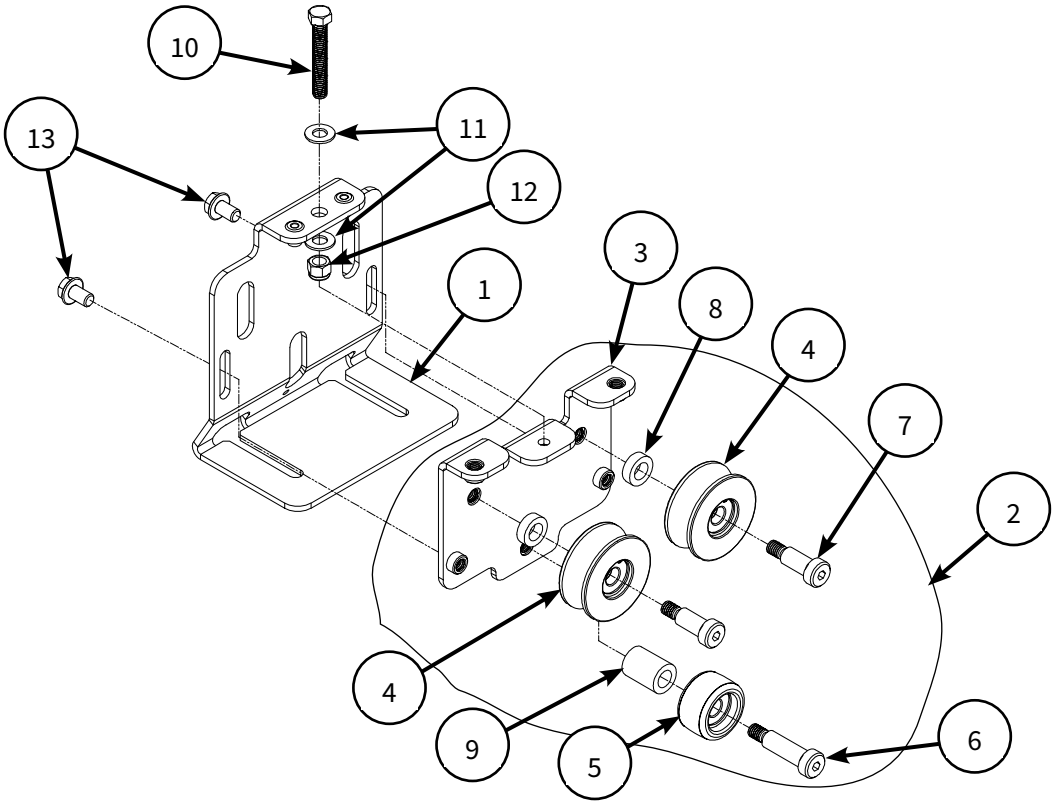
End Stop Assemblies



RN20	RN10	LN20	LN10	DESCRIPTION	PART #	ITEM #
-	-	-	1	ASM, END STOP, LH, XP HEADER, ZN	24B0377LN10	-
-	-	1	-	ASM, END STOP, LH, XP HEADER, SS	24B0377LN20	-
-	1	-	-	ASM, END STOP, RH, XP HEADER, ZN	24B0377RN10	-
1	-	-	-	ASM, END STOP, RH, XP HEADER, SS	24B0377RN20	-
-	-	-	1	END STOP, ROLLER TRUCK, LH, XP HEADER	13B1458LN10	1
-	-	1	-	END STOP, ROLLER TRUCK, LH, XP HEADER	13B1458LN20	1
-	1	-	-	END STOP, ROLLER TRUCK, RH, XP HEADER	13B1458RN10	2
1	-	-	-	END STOP, ROLLER TRUCK, RH, XP HEADER	13B1458RN20	2
-	1	-	1	WASHER, FLAT, 1/4, STANDARD, ZN	41A182	3
1	-	1	-	WASHER, FLAT, 5/16, STANDARD, SS	41A608	3
-	1	-	1	SCREW, 5/16-18 x 1.00, HHCS, ZN	41A061	4
1	-	1	-	SCREW, 5/16-18 x 1.00, HHMS, SS	41A346	4
-	1	-	1	NUT, 5/16-18, HEX, NYLOCK, ZN	41A332	5
1	-	1	-	NUT, 5/16-18, HEX, NYLOCK, SS	41A671	5
-	2	-	2	3/8-16 X 1.000, HHCS, ZN	41A109	6
2	-	2	-	3/8-16 X 1.000, HHCS, SS	41A673	6
-	2	-	2	3/8-16, HEX NUT, WHZLK, ZN	41A216	7
2	-	2	-	3/8-16, HEX NUT, WHZLK, SS	41A710	7
1	1	1	1	RUBBER BUMPER, END STOP	11A054	8

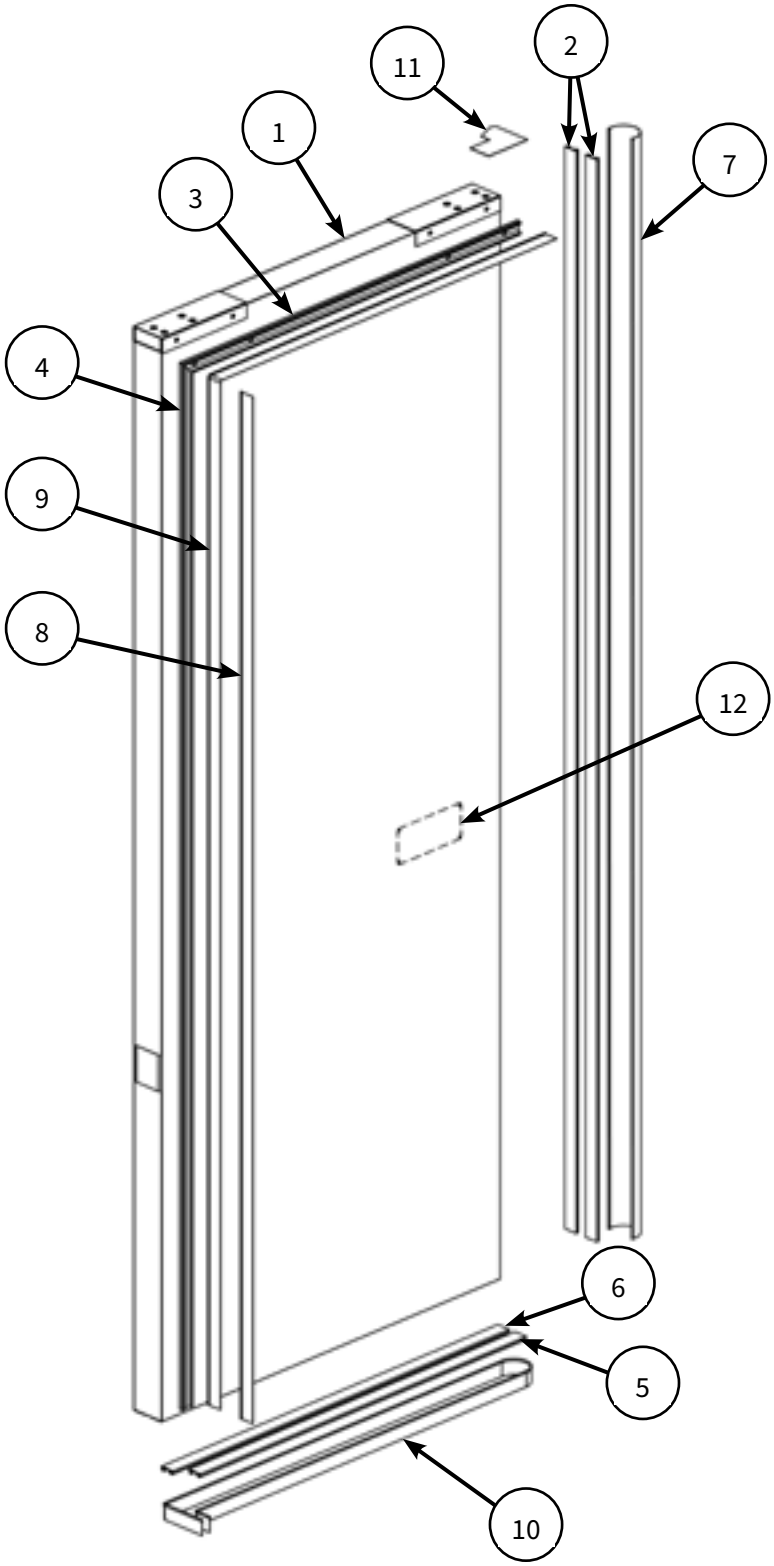
When ordering parts, specify Job Number, Door Number and Manufacture Date

Trolley Assemblies



SS	ZN	DESCRIPTION	PART #	ITEM #
-	1	TROLLEY ASSEMBLY, XP-2, ZN	24B0563NN10	-
1	-	TROLLEY ASSEMBLY, XP-2, SS	24B0563NN20	-
-	1	ASM BRKT, ADJUSTMENT, TROLLEY, XP-2, ZN	24B0560NN10	1
1	-	ASM BRKT, ADJUSTMENT, TROLLEY, XP-2, SS	24B0560NN20	1
-	1	ASM, WHEEL BRACKET, TROLLEY, XP-2, ZN	24B0562NN10	2
1	-	ASM, WHEEL BRACKET, TROLLEY, XP-2, SS	24B0562NN20	2
-	1	ASM, WHEEL BRACKET W/CLINCH NUTS, TROLLEY, XP-2, ZN	24B0561NN10	3
1	-	ASM, WHEEL BRACKET W/CLINCH NUTS, TROLLEY, XP-2, SS	24B0561NN20	3
2	2	ASSY, WHEEL, TROLLEY	24B0421NN	4
1	1	WHEEL ASSY, LOWER, TROLLEY, BP / SSLD	24B0422NN	5
1	1	SHOULDER SCREW, 1/2 X 1.50, 3/8-16,SS	41A889	6
2	2	SHOULDER SCREW, 1/2 X 1.00, 3/8-16,SS	41A888	7
2	2	SPACER, TROLLEY, UPPER	12B0035NN20	8
1	1	SPACER, TROLLEY, LOWER	12B0036NN20	9
1	1	3/8-16 X 2.50 HEX BOLT, FULL THREAD, SS	41A769	10
2	2	WASHER, FLAT, 3/8, SS	41A203	11
1	1	NYLON INSERT LOCKNUT, 3/8-16 UNC, SS	41A770	12
-	2	SCREW, 3/8-16 X 5/8 WHIZ, ZN	41A297	13
2	-	SCREW, 3/8-16 X 5/8 WHIZ, SS	41A839	13

Door Panel Assemblies



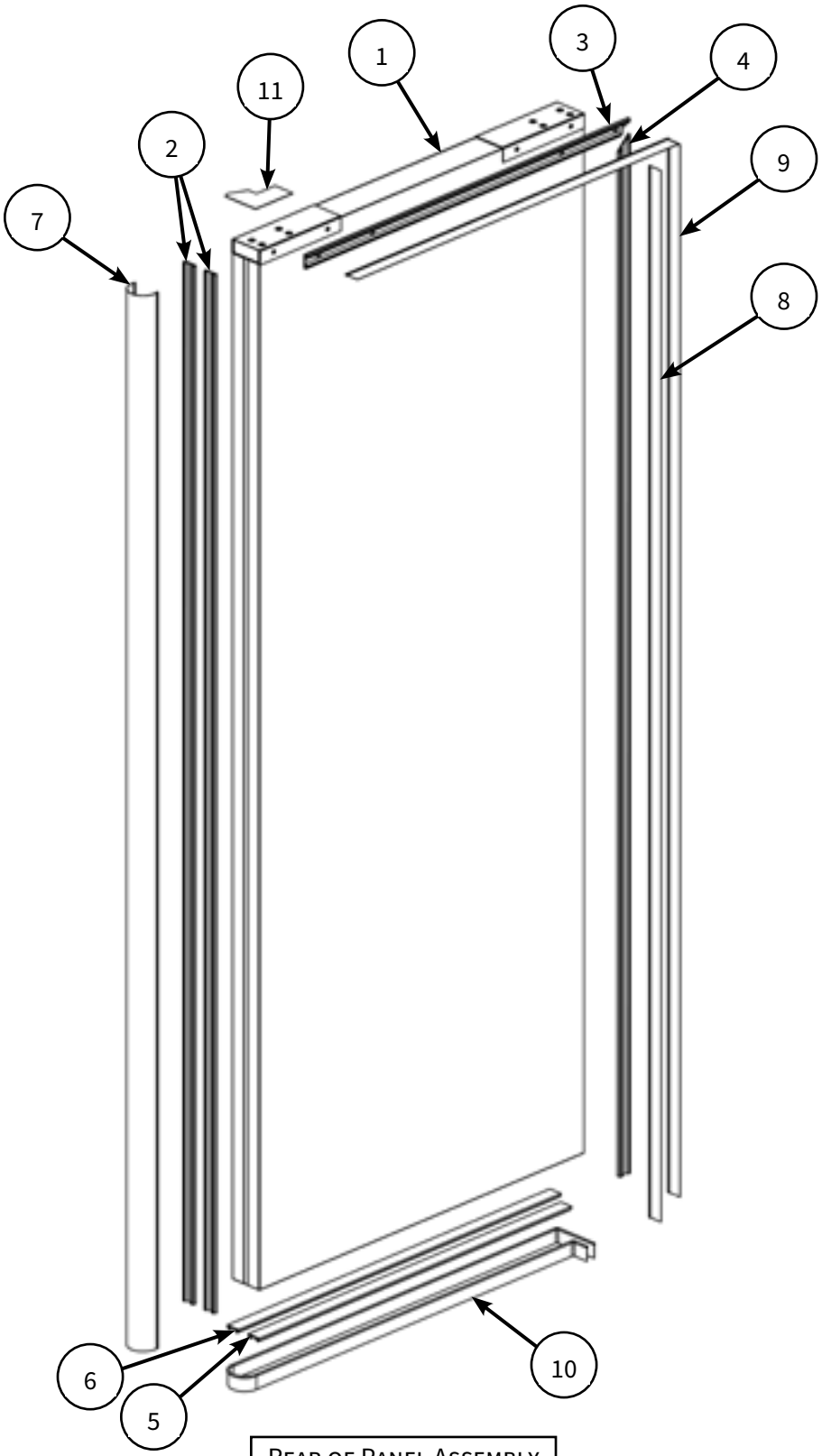
Rear of Panel Assembly

Door Panel Assemblies Continued

86B0031RV, Door Panel, RH

QTY.	DESCRIPTION	PART #	ITEM #
1	DOOR PANEL, BI-PART, LH	32B0221RV	1
2	GASKET RETAINER, LEAD	11A061 (HIC)	2
1	GASKET RETAINER, TOP	11A061 (WIC/2)	3
1	GASKET RETAINER, TRAILING	11A061 (HIC)	4
1	GASKET RETAINER, BOTTOM, INNER	11A061 (WIC/2-1.75”)	5
1	GASKET RETAINER, BOTTOM, INNER	11A061 (WIC/2 -0.25”)	6
1	BULB SEAL	15A0129NN (HIC +1.75”)	7
1	BLADE GASKET, INNER, TRAILING	15A0130NN (HIC + 1.5”)	8
1	BLADE GASKET, OUTER, TRAILING	15A0130NN (HIC+1.75”) + (WIC/2) -.25”	9
1	BLADE GASKET, BOTTOM LOOP	15A0130NN (WIC + 12”)	10
1	TRIM PIECE B, UPPER	15A0134NN	11
1	ENVIRO LABEL	17B043-1	12

When ordering parts, specify Job Number, Door Number and Manufacture Date



Rear of Panel Assembly

Door Panel Assemblies Continued

86B0031LV, Door Panel, LH

QTY.	DESCRIPTION	PART #	ITEM#
1	PANEL, BI-PART, LH	32B0221LV	1
2	GASKET RETAINER, LEAD	11A061 (HIC)	2
1	GASKET RETAINER, TOP	11A061 (WIC/2)	3
1	GASKET RETAINER, TRAIL	11A061 (HIC)	4
1	GASKET RETAINER, BOTTOM, INNER	11A061 (WIC/2 -1.75”)	5
1	GASKET RETAINER, BOTTOM, OUTER	11A061 (WIC/2 - 0.25)	6
1	BULB SEAL	15A0129NN (HIC + 1.75”)	7
1	BLADE GASKET, INNER, TRAIL	15A0130NN (HIC + 1.5”)	8
1	BLADE GASKET, OUTER, TRAIL	15A0130NN (HIC + 1.75”) + (WIC/2)-.25”	9
1	BLADE GASKET, BOTTOM LOOP	15A0130NN (WIC + 12”)	10
1	TRIM PIECE B, UPPER	15A0134NN	11

When ordering parts, specify Job Number, Door Number and Manufacture Date

Face Frame Assemblies

			DESCRIPTION	PART #	ITEM #
-	-	X	ASSY, FACE FRAME, XP-IXP DOOR	76B002 (F1-F4)	-
-	X	-	ASSY, FACE FRAME, COOLER, SS, XP-IXP DOOR	76B0041NV (F1-F4)	-
X	-	-	ASSY, FACE FRAME, FREEZER, SS XP-IXP DOOR	76B0042NV (F1-F4)	-
-	-	1	EXTRUSION, FACE FRAME, MACHINED, XP-IXP DOOR	14B090 (F1-F4)	1
1	1	1	EXTRUSION, FACE FRAME COVER, XP DOORS	11B055 (-1,-2,-3,-4)	2
-	A/R	-	BASE, FACE FRAME, XP2, SS, HIC <= 96	13B2183NV20	3
-	A/R	-	WELDMENT, FACE FRAME, XP2, SS, HIC > 96	28B0282NV20	3
A/R	-	-	ASM, FACE FRAME, XP2, INNER, SS, FREEZER, HIC <= 96	24B0628NV20	4
A/R	-	-	ASM, FACE FRAME, XP2, INNER, SS, FREEZER, HIC > 96	24B0629NV20	4
1	-	A/R	ASM, TERMINAL BLOCK, 2 CIRCUIT (FREEZER ONLY)	24B0553NN	5
1	-	-	BLOCK, TERMINAL MOUNT, FREEZER FRAME (FREEZER ONLY)	11A0204NN50	6
A/R	-	A/R	HEATER WIRE, ALUMINUM CABLE (FREEZER ONLY)	22A069	7
2	-	A/R	SCREW, #8 X .500", PH FHSMS, SS (FREEZER ONLY)	41A909	8
A/R	A/R	A/R	WASHER, FLAT, STD, #10 (SUPPLIED BY INSTALLER)	N/A	9
A/R	A/R	A/R	SCREW, #10 X .75", TRSMS (SUPPLIED BY INSTALLER)	N/A	10

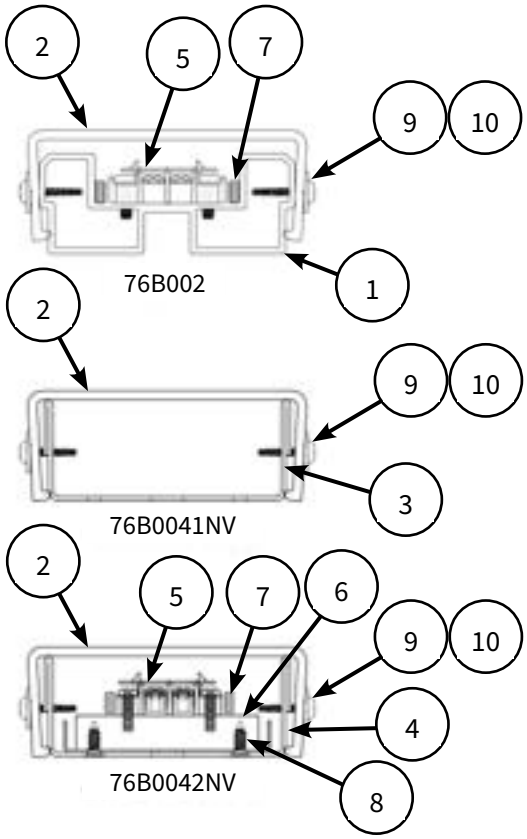
NOTE

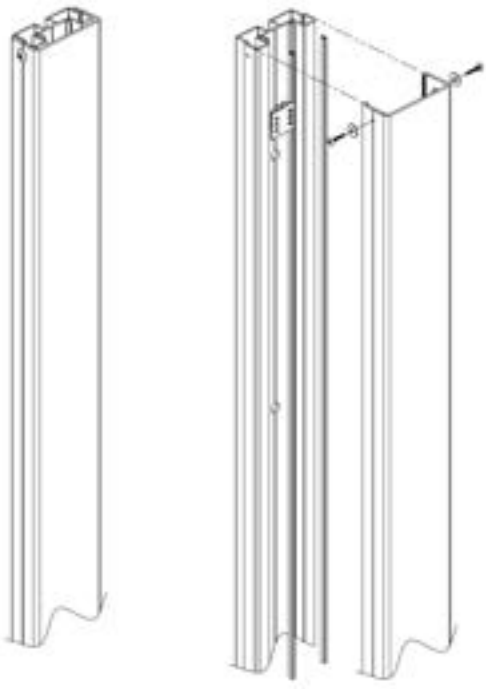
Note

1) (F1-F4) & (-1, -2, -3, -4) P/N'S REFER TO HEIGHT VARIATIONS:
F1 & -1 = HIC < 96; F2 & -2 = HIC > 96 <= 120; F3 & -3 = HIC > 120 <= 144; F4 & -4 = HIC > 144 <= 180

2) P/N'S 11A0204NN50, 24B0553NN, & 41A909 ARE COMPONENTS OF ASSEMBLIES 24B0628NV20 & 24B0629NV20

3) LENGTH & EXACT P/N OF HEATER WIRE (22A069) DETERMINED BY HIC OF DOOR. CONSULT ASI PARTS DEPT. FOR SPECIFIC P/N'S AND SPECIFICATIONS.

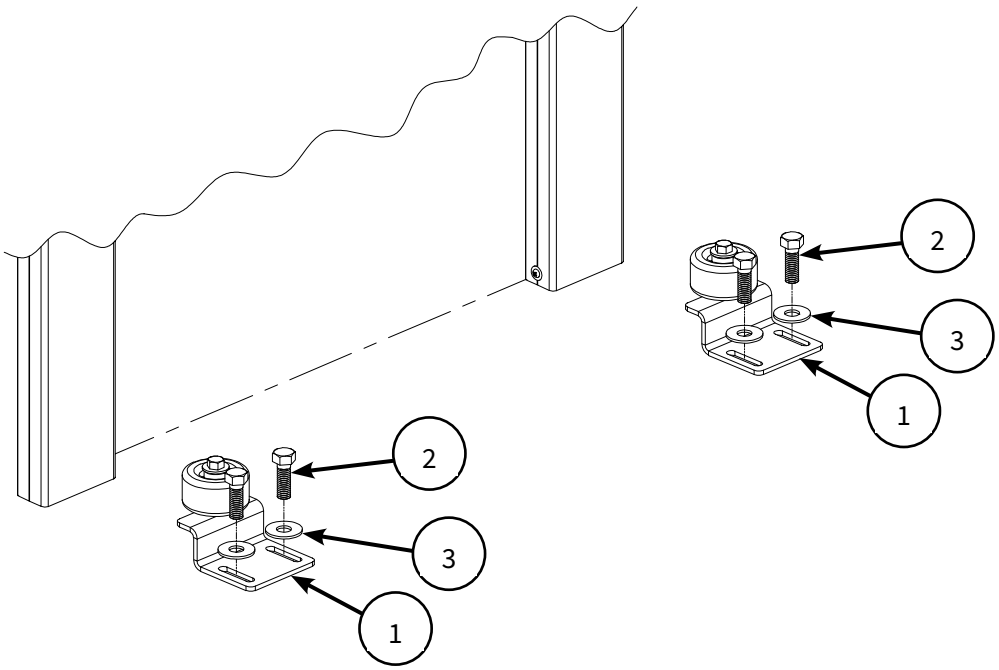




REPLACEMENT PARTS

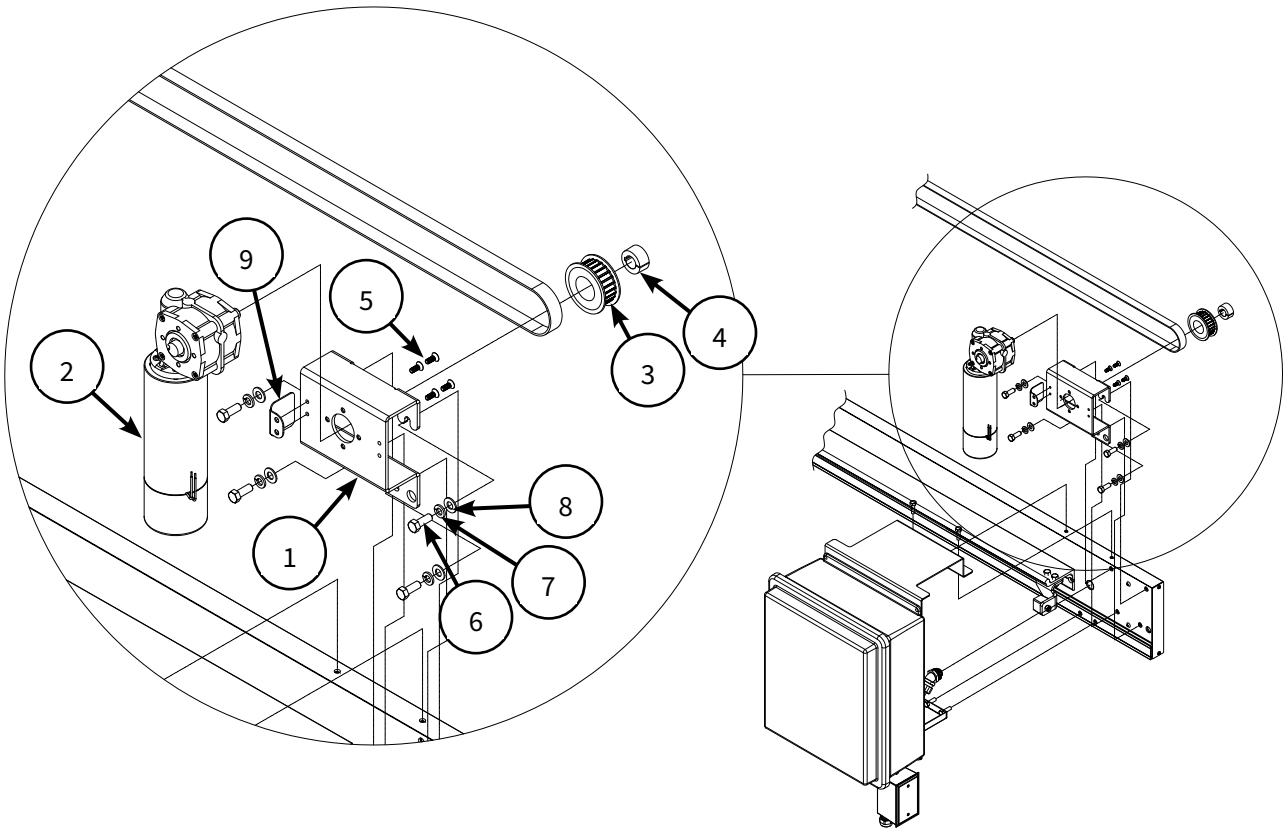
Floor Hardware

SS	ZN	DESCRIPTION	PART #	ITEM #
-	1	ASM, ROLLER GUIDE, TRAIL EDGE, XP DOOR, ZN	24B275F1	1
1	-	ASM, ROLLER GUIDE, TRAIL EDGE, XP DOOR, SS	24B275F2	1
-	2	BOLT OR ANCHOR, 3/8-16, ZN (SUPPLIED BY INSTALLER)	-	2
2	-	BOLT OR ANCHOR, 3/8-16, SS (SUPPLIED BY INSTALLER)	-	2
-	2	WASHER, FLAT, 3/8", ZN (SUPPLIED BY INSTALLER)	-	3
2	-	WASHER, FLAT, 3/8", SS (SUPPLIED BY INSTALLER)	-	3



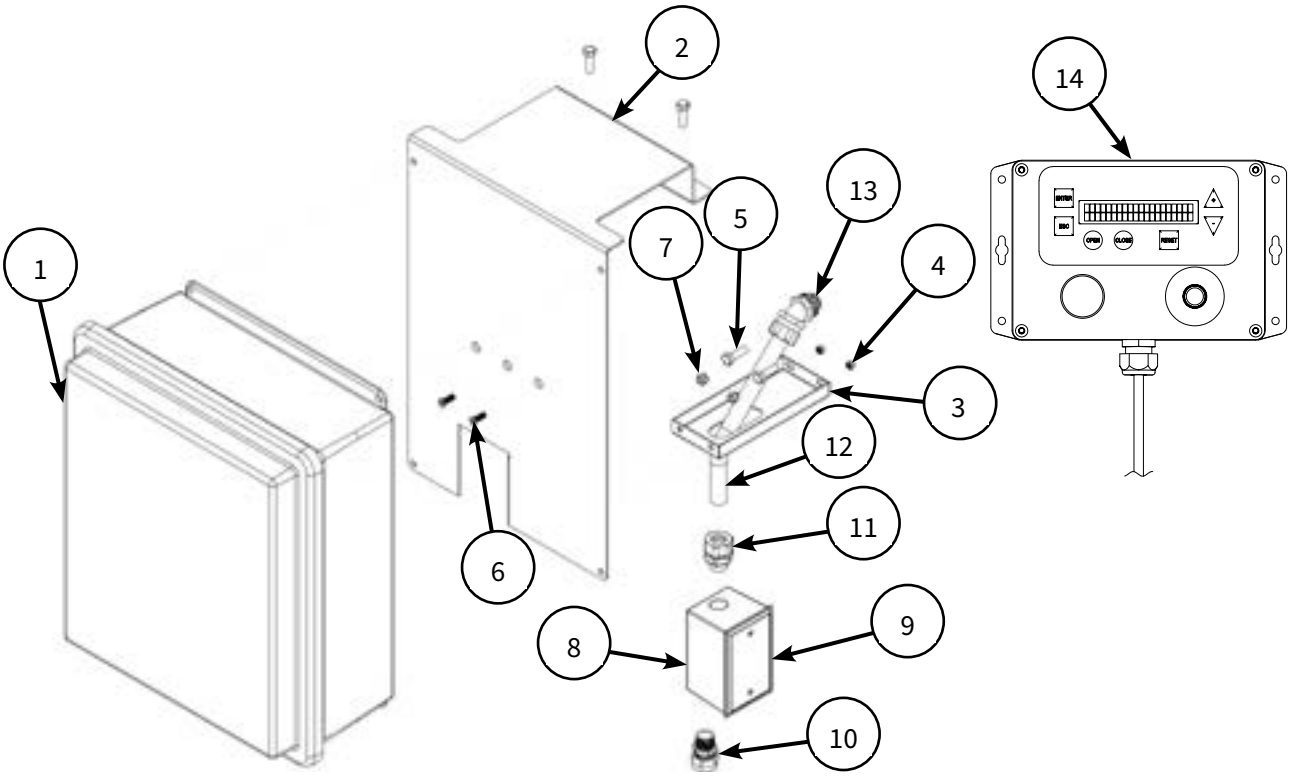
When ordering parts, specify Job Number, Door Number and Manufacture Date

Drive Assembly



LH DRIVE, STAINLESS	LH DRIVE, ZINC	RH DRIVE, STAINLESS	RH DRIVE, ZINC	PART #	DESCRIPTION	ITEM #
-	-	-	1	24B0564RN10	ASM, DRIVE, RH DC DRIVE, ZN	-
-	-	1	-	24B0564RN20	ASM, DRIVE, RH DC DRIVE, STAINLESS	-
-	1	-	-	24B0564LN10	ASM, DRIVE, LH DC DRIVE, ZN	-
1	-	-	-	24B0564LN20	ASM, DRIVE, LH DC DRIVE, STAINLESS	-
-	1	-	1	13B1983NN10	MOUNT, DC DRIVE, ZN	1
1	-	1	-	13B1983NN20	MOUNT, DC DRIVE, STAINLESS	1
1	1	1	1	23B0069NN	GEARMOTOR, SGF120-B14	2
-	1	-	1	50B0077	SPROCKET, TAPER BUSHED, TL22-8M-20-1008 (STEEL)	3
1	-	1	-	50B0078	SPROCKET, TAPER BUSHED, TL22-8M-20-1008SS (STAINLESS)	3
-	1	-	1	50B0075NN	BUSHING, TAPER LOCK, #1008-20MM, (STEEL)	4
1	-	1	-	50B0076NN	BUSHING, TAPER LOCK, #1008-20MM, (STAINLESS)	4
4	4	4	4	41A891	SCREW, M6 X 1 X 16mm FHSHCS, CLASS 10.9, ALLOY STEEL	5
4	4	4	4	41A673	3/8-16 X 1.000, HHCS, SS	6
4	4	4	4	41A327	WASHER, LOCK, 3/8, REG, SPLIT, SS	7
4	4	4	4	41A203	WASHER, FLAT, 3/8, SS	8
AR	AR	AR	AR	13B2498	BELT GUARD, DRIVE, XP HEADERS (DOORS < 7' 6" HIC ONLY)	9

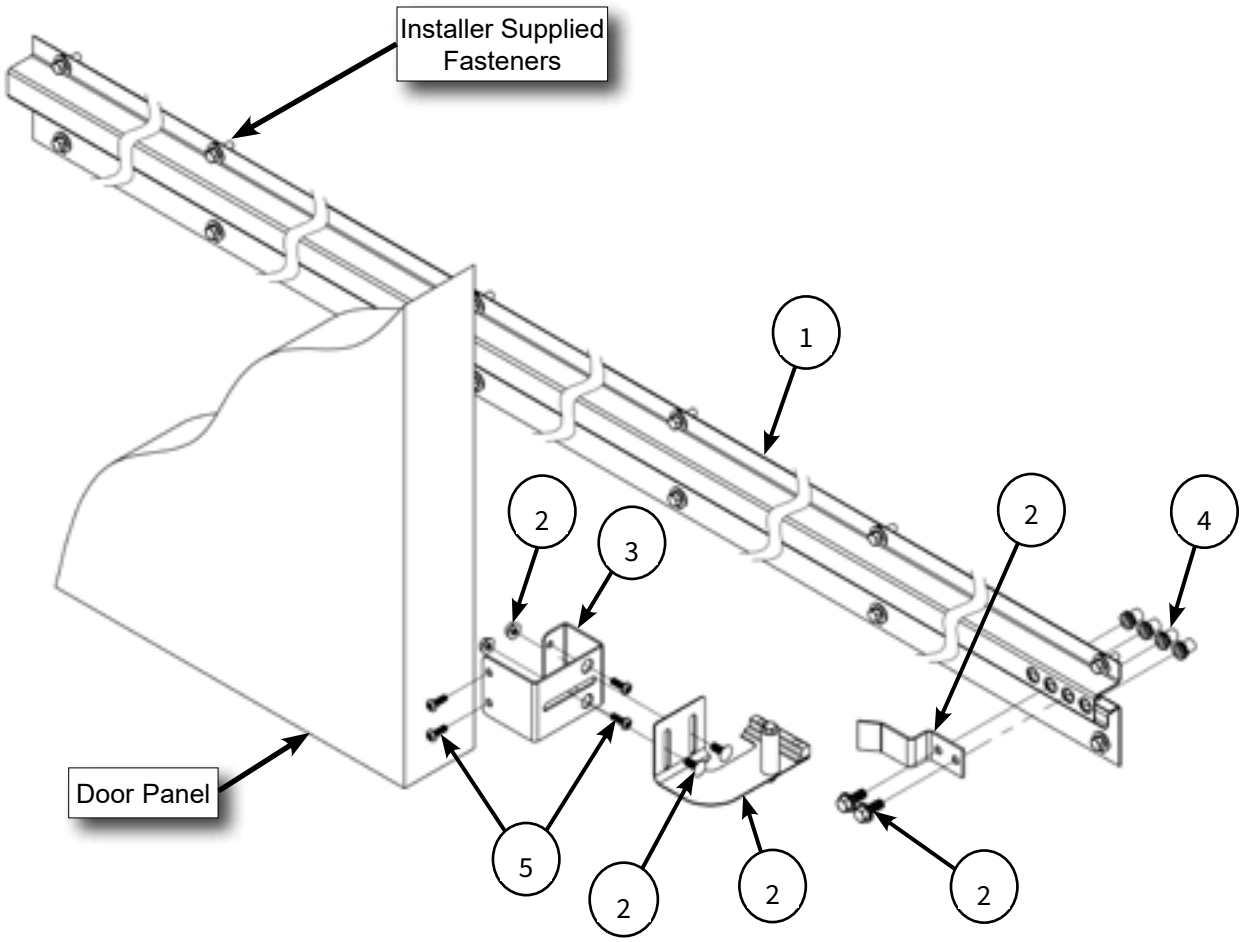
Control Panel Assembly



460V, SS	460V, GALV	115/230V, SS	115/230V, GALV	PART #	DESCRIPTION	ITEM #
-	-	-	X	24B0565NN10	ASM, MOUNT, CONTROL, DC DRIVE, 115/230V, GALV.	-
-	-	X	-	24B0565NN20	ASM, MOUNT, CONTROL, DC DRIVE, 115/230V, STAINLESS	-
-	X	-	-	24B0574NN10	ASM, MOUNT, CONTROL, DC DRIVE, 460V, GALV.	-
X	-	-	-	24B0574NN20	ASM, MOUNT, CONTROL, DC DRIVE, 460V, STAINLESS	-
-	-	1	1	See ID Label	ASM, CONTROL PANEL, DC CARD, 115/230V	1
1	1	-	-	See ID Label	ASM, CONTROL PANEL, DC CARD, 460V	1
-	1	-	1	13B1996NN10	BRACKET, UPPER, CONTROL, XP-2, GALV.	2
1	-	1	-	13B1996NN20	BRACKET, UPPER, CONTROL, XP-2, STAINLESS	2
-	1	-	1	13B1991NN10	CONTROL SUPPORT, DC DRIVE, GALV	3
1	-	1	-	13B1991NN20	CONTROL SUPPORT, DC DRIVE, SS	3
4	4	4	4	41A671	NUT, 5/16-18, HEX, NYLOCK, SS	4
4	4	4	4	41A345	SCREW, 5/16-18 x 1.00, HHCS, STAINLESS	5
2	2	2	2	41A657	SCREW,1/4-20 X .750,PHL FHMS,SS	6
2	2	2	2	41A639	NYLON INSERT LOCKNUT, 1/4-20 UNC	7
A/R	A/R	A/R	A/R	22B029	JUNCTION BOX, WEATHERPROOF, 1-GANG (FREEZERS ONLY)	8
A/R	A/R	A/R	A/R	22A084	BELL BOX, COVER AND GASKET (FREEZERS ONLY)	9
A/R	A/R	A/R	A/R	23A0454	CONNECTOR, CORD GRIP, .312-.375 (FREEZERS ONLY)	10
A/R	A/R	A/R	A/R	22A169	FITTING, LIQUID TIGHT, 0° (FREEZERS ONLY)	11
A/R	A/R	A/R	A/R	22A072	CONDUIT,1/2",FLEX,LIQUID TIGHT (FREEZERS ONLY)	12
A/R	A/R	A/R	A/R	22A073	FITTING, LIQUID TIGHT, 45° (FREEZERS ONLY)	13
1	1	1	1	24B0575	ASM, REMOTE CONTROL STATION, DC DRIVE	14

When ordering parts, specify Job Number, Door Number and Manufacture Date

Wall Track Assemblies



NOTE

Note fasteners for mounting Wall Track assemblies to wall are NOT provided by ASI.

Wall Track Assemblies Continued

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM
-	-	-	1	ASM, WALL TRACK, BI-PART, ISO-FLEX, GALVANIZED, RH	24B0709F1	-
-	-	1	-	ASM, WALL TRACK, BI-PART, ISO-FLEX, STAINLESS, RH	24B0709F2	-
-	1	-	-	ASM, WALL TRACK, BI-PART, ISO-FLEX, GALVANIZED, LH	24B0709F3	-
1	-	-	-	ASM, WALL TRACK, BI-PART, ISO-FLEX, STAINLESS, LH	24B0709F4	-
-	-	-	1	WLDMT, WALL TRACK BP, XP DOORS, RH, GALV	28B248F1	1
-	-	1	-	WLDMT, WALL TRACK BP, XP DOORS, RH, SS	28B248F2	1
-	1	-	-	WLDMT, WALL TRACK BP, XP DOORS, LH, GALV	28B248F3	1
1	-	-	-	WLDMT, WALL TRACK BP, XP DOORS, LH, SS	28B248F4	1
-	-	1	1	KIT, WALL TRACK BRKT & HDWE, XP2/ISO-FLEX, RH	24B0996F1	2
1	1	-	-	KIT, WALL TRACK BRKT & HDWE, XP2/ISO-FLEX, LH	24B0996F2	2
-	1	-	1	BRKT, ISO-FLEX WALL TRACK, DOOR MOUNT, GALV	13B1624NN10	3
1	-	1	-	BRKT, ISO-FLEX WALL TRACK, DOOR MOUNT, SS	13B1624NN20	3
4	4	4	4	INSERT, HEX, 3/8-16, GRIP RANGE .027-.150	41A788	4
-	4	-	4	SCREW, 1/4-20 x .750, SL PHMS, ZN	41A489	5
4	-	4	-	SCREW, 1/4-20 X 1.00, PH PHMS, SS	41A250	5

When ordering parts, specify Job Number, Door Number and Manufacture Date

Heat System & Kick Plate Options

Heat System Option (Freezer)

55B0070F2 - OPTION, HEAT SYSTEM, FREEZER, BI-PART		
DESCRIPTION	PART #	QTY
ASM, REMOTE GFCI, 20A	24B0733	1
ASM, TERMINAL BLOCK, 2 CIRCUIT	24B0553NN	2
CONNECTOR, CORD GRIP, .312-.375	23A0454	4
CABLE, SOOW, 18/3	23A005	A/R, WIC/2 + 36”
BELL BOX, COVER AND GASKET	22B084	2
JUNCTION BOX, WEATHERPROOF, 1-GANG	22B029	2
POLYOLEFIN TUBING, 3M 41875	22B0015NN	16
QUICK DISCONNECT TERMINAL, FEMALE, INSULATED, .187 Wd	22B0014NN	8
BUSHING, SNAP, HEYCO# 2053	22A221	2
BASE MOUNTING, CABLE TIE	22A218	AR
CABLE TIE, TY-RAP, 3.5” LONG	22A109-1	AR
STRAIN RELIEF, .563-.625 DIA.	22A086	1
HEATER WIRE, ALUMINUM CABLE	22A069	A/R (SEE NOTE 1)
CONNECTOR, HEATER WIRE	22A048	A/R
LUG, RING, 14-16 AWG, #8	22A043	4
WIRE,16GA,PURPLE,600V	22A030-8	AR
WIRE,16GA,BLACK,600V	22A030-4	AR
WIRE,16GA,ORANGE,600V	22A030-3	AR
WIRE,16GA,GREEN,600V	22A030-2	AR
WIRE,16GA,WHITE,600V	22A030-1	AR
COVER, ELECTRIC CONDUIT BOX	13B2136NN	2
GROMMET, .500 ID	11A140	2
GROMMET, .875 ID	11A086	A/R (SEE NOTE 2)

NOTE

Note Length required is calculated based on WIC & HIC of door.

Kick Plate Options

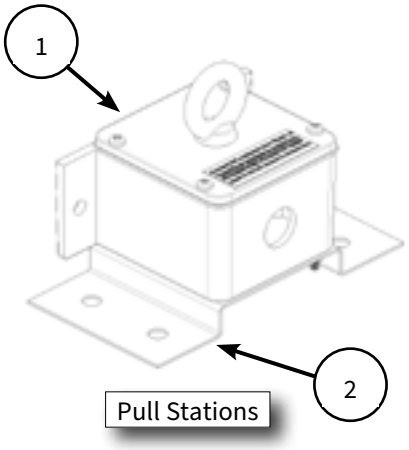
F6	F5	F4	F3	F2	F1	PART #	DESCRIPTION
-	-	-	-	-	1	55B0047F1	KICKPLATE, BI-PART, 12” STAINLESS, INSIDE
-	-	-	-	1	-	55B0047F2	KICKPLATE, BI-PART, 12” STAINLESS, OUTSIDE
-	-	-	1	-	-	55B0047F3	KICKPLATE, BI-PART, 36” STAINLESS, INSIDE
-	-	1	-	-	-	55B0047F4	KICKPLATE, BI-PART, 36” STAINLESS, OUTSIDE
-	1	-	-	-	-	55B0047F5	KICKPLATE, BI-PART, 36” HDPE, INSIDE
1	-	-	-	-	-	55B0047F6	KICKPLATE, BI-PART, 36” HDPE, OUTSIDE
-	-	-	-	-	1	13B1581NV20	KICKPLATE, BI-PART, 12” STAINLESS, INSIDE
-	-	-	-	1	-	13B1582NV20	KICKPLATE, BI-PART, 12” STAINLESS, OUTSIDE
-	-	-	1	-	-	13B1583NV20	KICKPLATE, BI-PART, 36” STAINLESS, INSIDE
-	-	1	-	-	-	13B1584NV20	KICKPLATE, BI-PART, 36” STAINLESS, OUTSIDE
-	1	-	-	-	-	11B0073NV50	KICKPLATE, BI-PART, 36” HDPE, INSIDE
1	-	-	-	-	-	11B0074NV50	KICKPLATE, BI-PART, 36” HDPE, OUTSIDE

When ordering parts, specify Job Number, Door Number and Manufacture Date

Miscellaneous Options

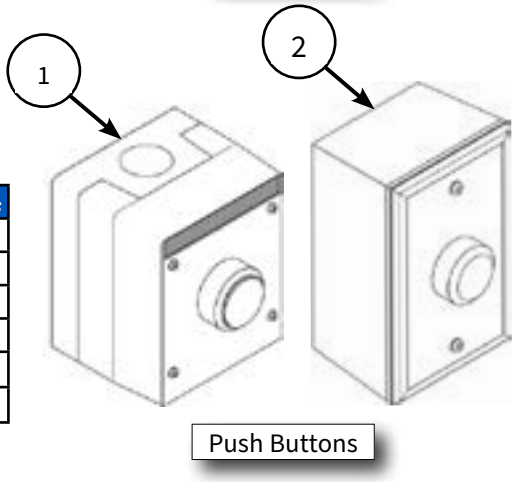
Pull Station Options

F2	F1	DESCRIPTION	PART #	ITEM #
-	X	ASM, PULL STATION & BRACKET, UNHEATED	24C507F1	-
X	-	ASM, PULL STATION & BRACKET, HEATED	24C507F2	-
-	1	ASM, PULL SWITCH, CEILING, UNHEATED	24B102F1	1
1	-	ASM, PULL SWITCH, CEILING, HEATED	24B102F2	1
1	1	BRACKET, PULL SWITCH MOUNT	13B641	2
1	1	INSTALL GUIDE, OPT DEVICES, DC CONTROLLER	17A0298	-



Push Button Options

DESCRIPTION	PART #	ITEM #
PUSH BUTTON STATION, UN-HEATED	24B029F1	1
PUSH BUTTON STATION, HEATED	24B029F2	2
INSTALL GUIDE, OPT DEVICES, DC CONTROLLER	17A0298	-



Motion Detector Options

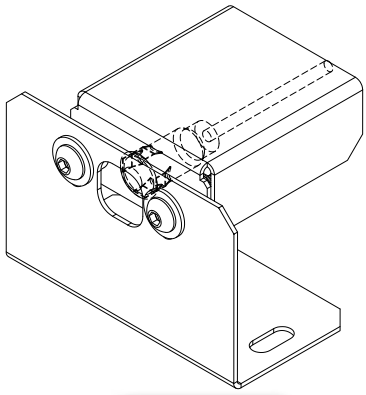
DESCRIPTION	PART #	ITEM #
MOTION DETECTOR, FALCON	23A284	-
PRESENCE SENSOR, BEA IS-40-P	23A102	-
MOTION AND PRESENCE SENSOR, BEA IS-40	23A101	-
ADJUSTABLE SENSOR MOUNTING BRACKET	22A112	-
PROGRAMMING REMOTE	23A285	-
INSTALL GUIDE, OPT DEVICES, DC CONTROLLER	17A0298	-

Radio Control System Options

DESCRIPTION	PART #	ITEM #
TRANSMITTER, RADIO CONTROL, 1 CHANNEL	23A253	-
TRANSMITTER, RADIO CONTROL, 2 CHANNEL	23A255	-
RECEIVER, RADIO CONTROL, 1 CHANNEL	23A252	-
RECEIVER, RADIO CONTROL, 2 CHANNEL	23A254	-
INSTALL GUIDE, OPT DEVICES, DC CONTROLLER	17A0298	-

Photoeye Options

F2	F1	DESCRIPTION	PART #
-	X	ASM, P/E MOUNT, TRANSMITTER	24B0867F1
X	-	ASM, P/E MOUNT, RECEIVER	24B0867F2
-	1	PHOTOEYE, TRANSMITTER	23B0159
1	-	PHOTOEYE, RECEIVER	23B0160
1	1	INSTALL GUIDE, OPT DEVICES, DC CONTROLLER	17A0298



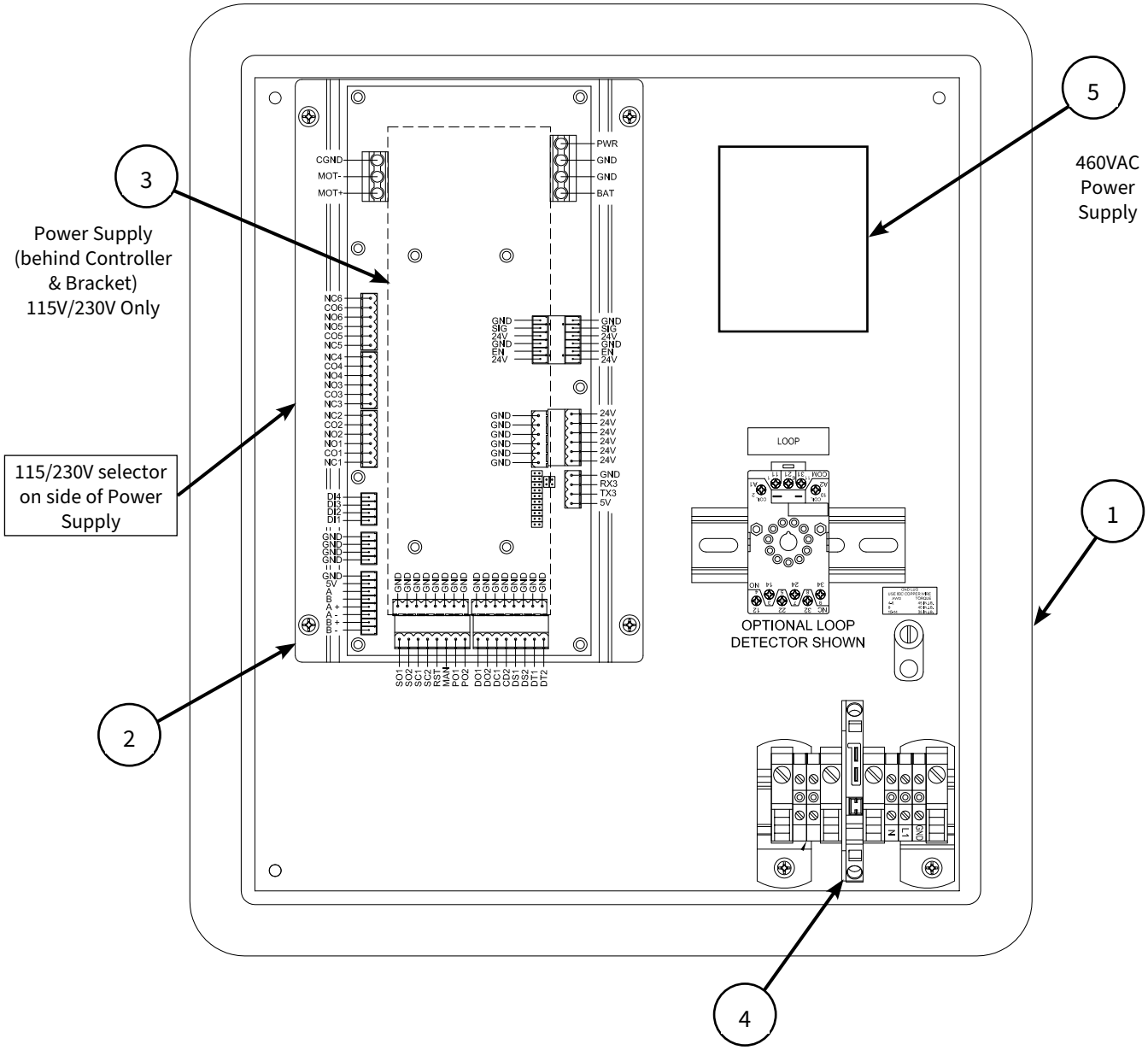
Loop Detector Options

DESCRIPTION	PART #	ITEM #
LOOP DETECTOR, 24 VAC	23A019	-
WIRE, 14 GA., BLACK, 7 STRAND #XHHW	22A085	-
EMBEDDING SEALER	23A160	-
LOOP DETECTOR INSTALLATION GUIDE	17C174	-
INSTALL GUIDE, OPT DEVICES, DC CONTROLLER	17A0298	-

When ordering parts, specify Job Number, Door Number and Manufacture Date

Control Panel

DESCRIPTION	PART #	ITEM #
ENCLOSURE, 16 X 14, F/G	23A250	1
CONTROLLER, DC	23A0494	2
POWER SUPPLY, DC, 450W, 115/230-24VDC	23B0130	3
FUSE, BLADE TYPE, FAST ACTING, ATO, 20A	22A286-20	4
POWER SUPPLY, DC, 460VAC / 24VDC	23B0131	5



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ADDENDUM:

ISO-Flex Bi-Part Panel Heater Installation

This bulletin is an addition to the standard owner's manual for the XP 2200 ISO-Flex Bi-Part Doors. All warranties, Important Safety Instructions and warning descriptions pertaining to this door can be found in on page 5, and apply to procedures and instructions contained in this bulletin.

Mounting Dimensions

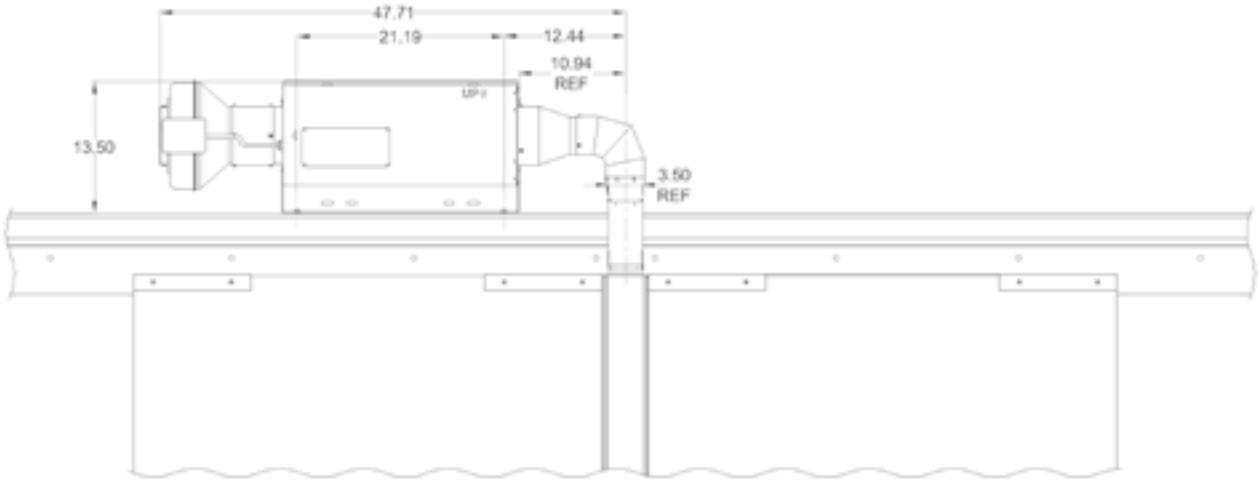

Figure 1: Heater Blower Install Dimensions - Font View

The following are instructions to install a heated blower on Iso-Flex doors. installation on a Bi-Part door is shown in the following pictures.

1 Referring to Figures 1 & 2, review mounting clearance needed for mechanical installation per the minimum dimensions given. Measure to verify heater mounting clearance above door header. (Figures 1 & 2)

2 Move doors into the open position.

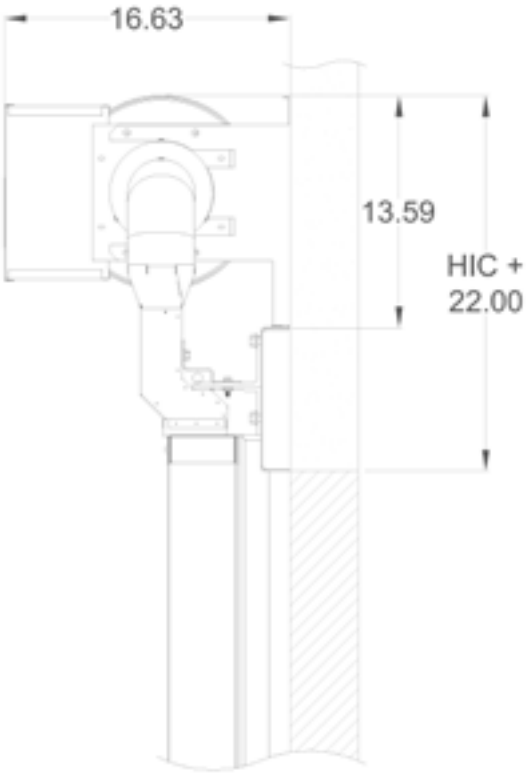

Figure 2: Heated Blower Install Dimensions - side view

NOTE

Note following directions are for mounting heater assembly while it is attached to the mounting bracket. You could alternatively remove the heater from the mounting bracket, mount the bracket as noted, and re-attach the heater assembly to the mounting bracket.

Mount Center Duct

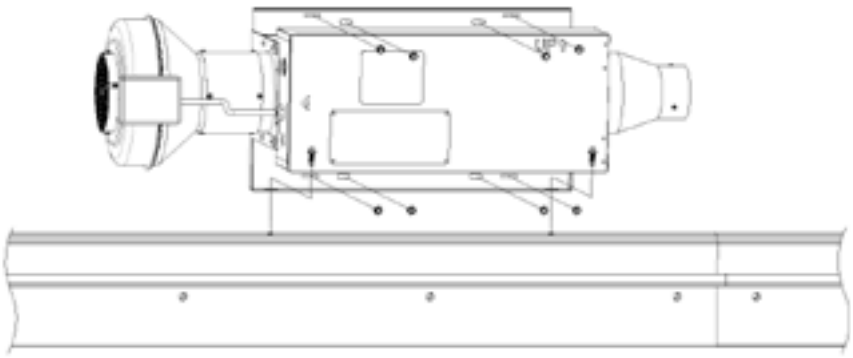

Figure 3: Mount Center Duct Assembly on Center of Header/Rail Assembly

3. Position heater & bracket assembly together on top of header so that mounting slots in heater bracket align with mounting holes in top flange of header, with the back of the mounting bracket flush against the wall. (Figure 3)
4. Add fasteners to attach heater & bracket assembly to top of header. (ASI supplied hardware) (Figure 3)
5. Add fasteners to attach heater bracket to wall. (Installer supplied hardware) (Figure 3)
6. Slide center duct assembly onto rails to the right of the center of the header. Loosen bolts & raise mounting bracket if needed to clear rod on end of rail. (Figure 4)
7. Slide center duct assembly towards heater assembly so that end of reducer on heater mates inside of 90° elbow on duct assembly. Use 3 sheet-metal screws to attach elbow to reducer. (Figure 4)
8. Attach center duct assembly to holes in center of rails loosely with 1/4"-20 x 7/8" bolts and 1/4"-20 locking nuts provided. (Figure 5)
9. Raise center duct assembly to the top of its travel vertically and hand tighten bolts holding center duct assembly.
10. Move doors into the closed position.
11. Adjust position of center duct assembly vertically so it meets top of door gaskets and tighten bolts. (Figure 6)
12. Adjust position of center duct assembly in and out so it lines up with door panels and tighten bolts. (Figure 6)

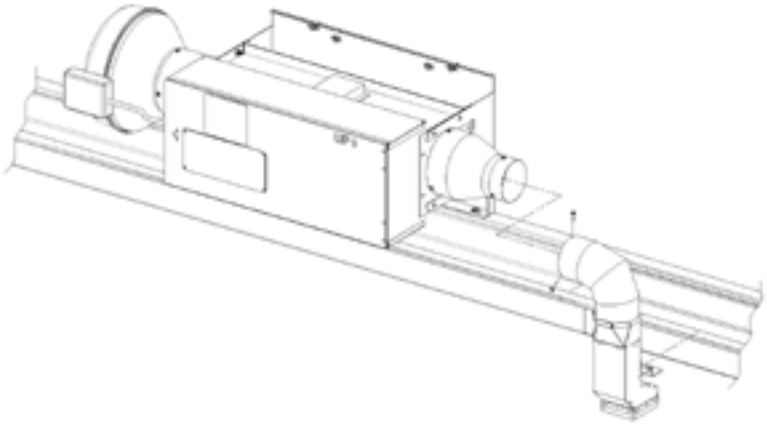

Figure 4: Mounting Center Duct of Heater

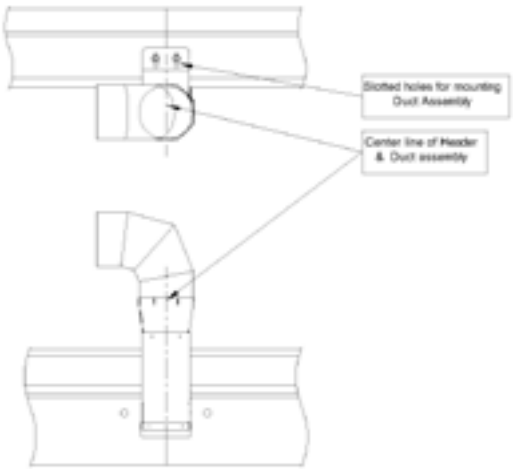

Figure 5: Heater & Ducting Components

Mount Center Duct

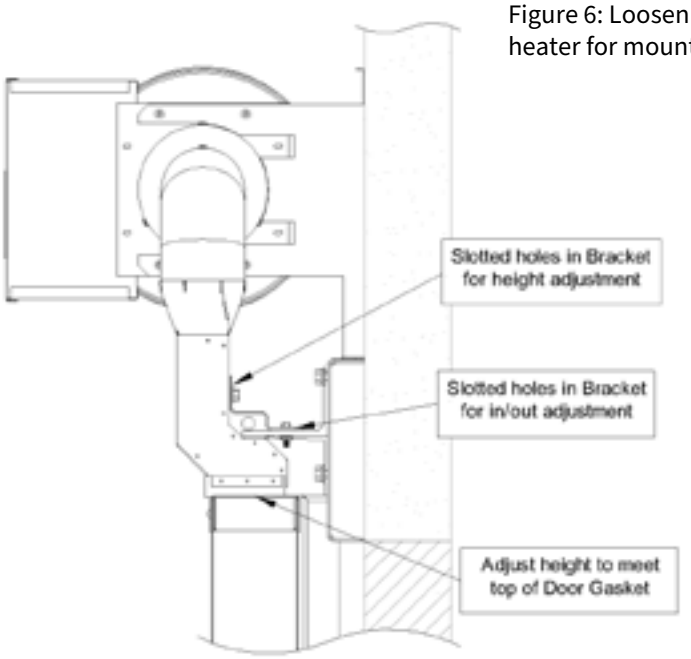

Figure 6: Loosen clamps and remove heater for mounting.

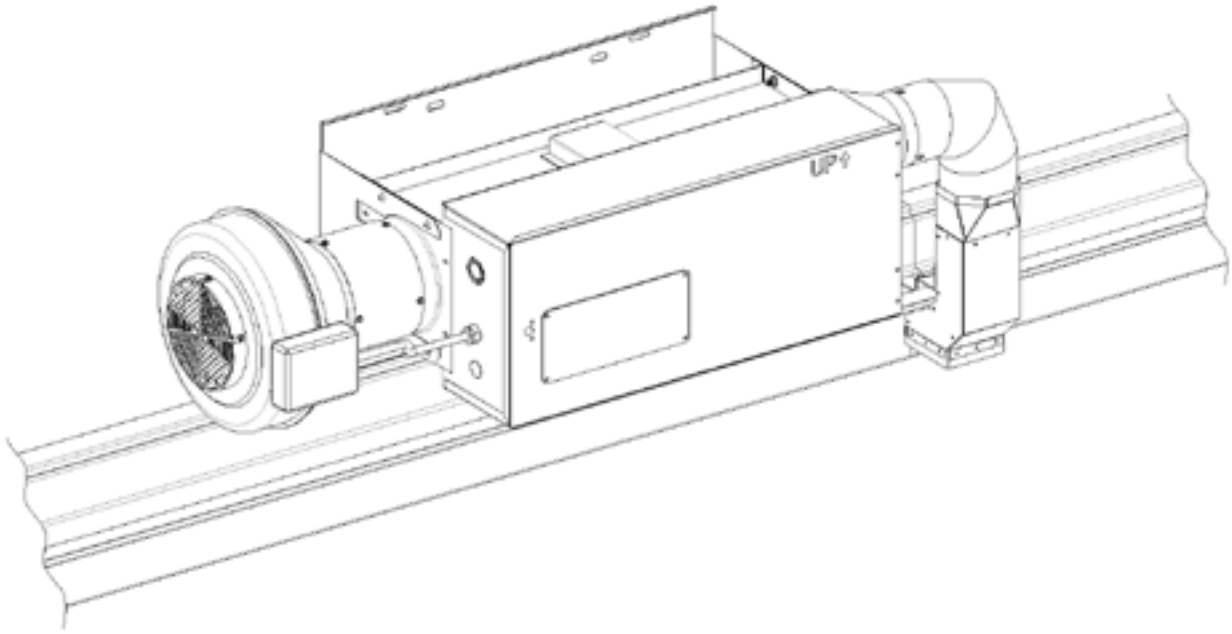

Figure 7: Heater & Ducting Components

Electrical Connections/Warning Label

1. Follow national, state, and local codes for supply wiring circuit and service disconnect specification and location.
2. Observe all conditions and warnings specified on warning label (figure #11).
3. Power must be supplied by a dedicated 15 amp 115 vac circuit breaker, and minimum 14-gauge copper wire.
4. Run 115 vac power in separate rigid conduit to a junction box on the wall near the heater junction box (figure #8).
5. Open cover on heater enclosure and run power from junction box on wall to terminal strip inside heater junction box (figure #9).
6. Connect wires to l1, and n terminals, and GND lug on inside of heater enclosure (figure #10).
7. Close cover on heater enclosure.
8. Turn on power, check operation of heater.

Figure 11: Heater Warning Label

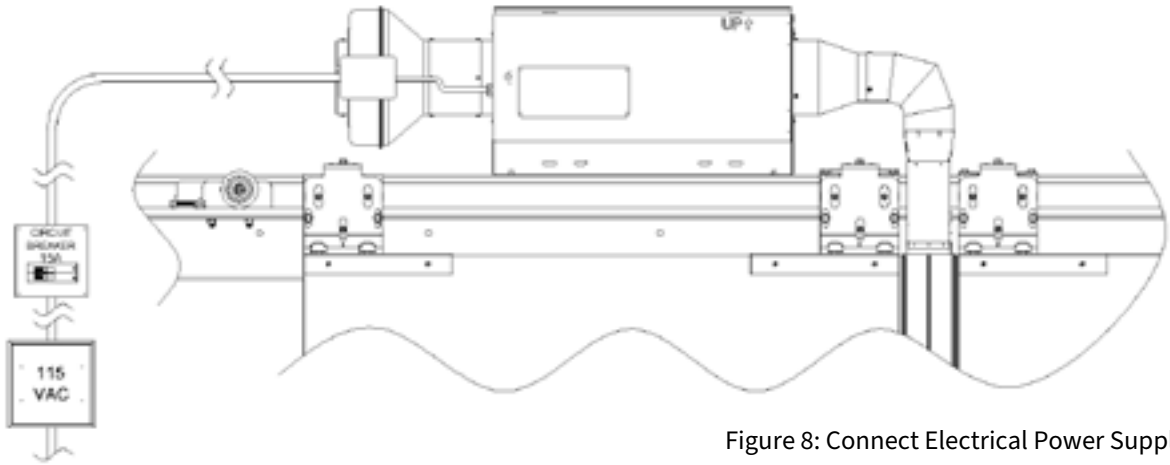

Figure 8: Connect Electrical Power Supply

Figure 9: Electrical Terminals On Header

Figure 10: Jumpered Electrical Terminals