OWNER'S MANUAL

MODEL IXP 2600

Single Impactable Sliding Cooler/Freezer Door

Manual: 17A249

GENERAL INFORMATION

Safety Practices

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 safety practices before installing, operating or servicing the SLIDING door. Failure to follow these safety practices 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.

Safety Practices (cont'd)

1. Do not operate the door while under the influence of drugs or alchohol.
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 availale 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, Inc. (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 year from the date of original shipment by ASI. The foregoing limited warranty shall not apply to defects which result from improper installation, abuse, misuse, alteration, modification or failure to maintain the Door System in accordance with the ASI Owner’s Manual. Periodic lubrication 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 express, 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 one year, 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. 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. ASI will review the warranty request and issue a Returns Goods Authorization (RGA) form if the defective parts need to be returned to ASI for inspection and verification. The RGA 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 by ASI and accompanied by the ASI purchase order number.
4. The ASI extended warranty coverage for hydraulic components does not cover reimbursement of labor charges for the diagnosis or replacement of hydraulic components. Warranty reimbursement is limited to credit for replacement parts purchased from ASI.

The customer must file a claim with the shipper for any damage and/or losses that may occur during transit.

Installation hardware and start up of the Door System equipment is the responsibility of the installation contractor. Periodic adjustments and normal maintenance are the responsibility of the customer.

Crates and Contents

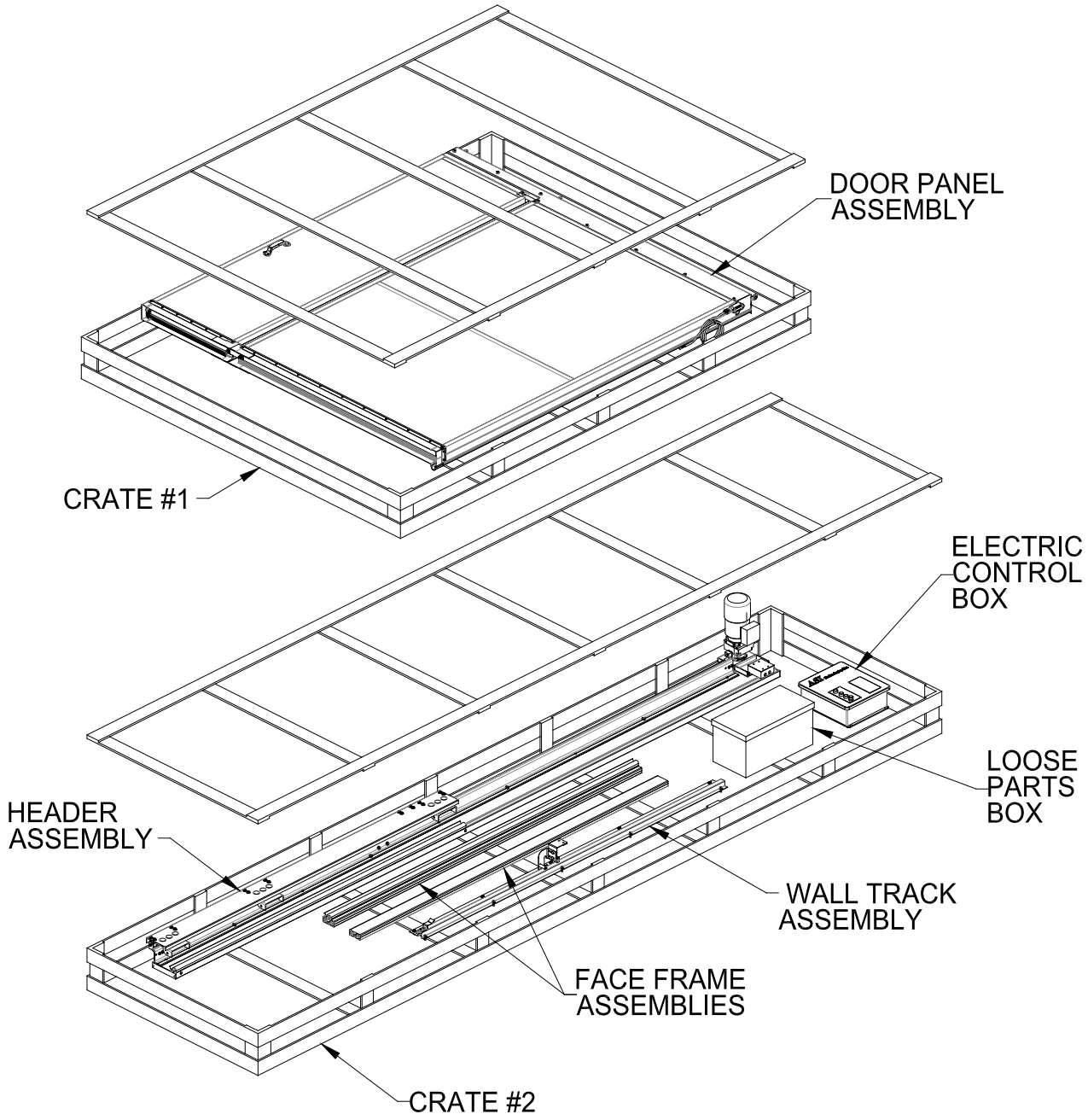


Figure 1: Crates and Contents

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
Bottom Lead Edge Roller Assembly	1

Loose Parts

Description - Power, Cooler Door	Qty.
Installation Instructions	1
Sales Drawing	1
Bottom Lead Edge Roller Assembly	1
Label, Warner	4

Loose Parts

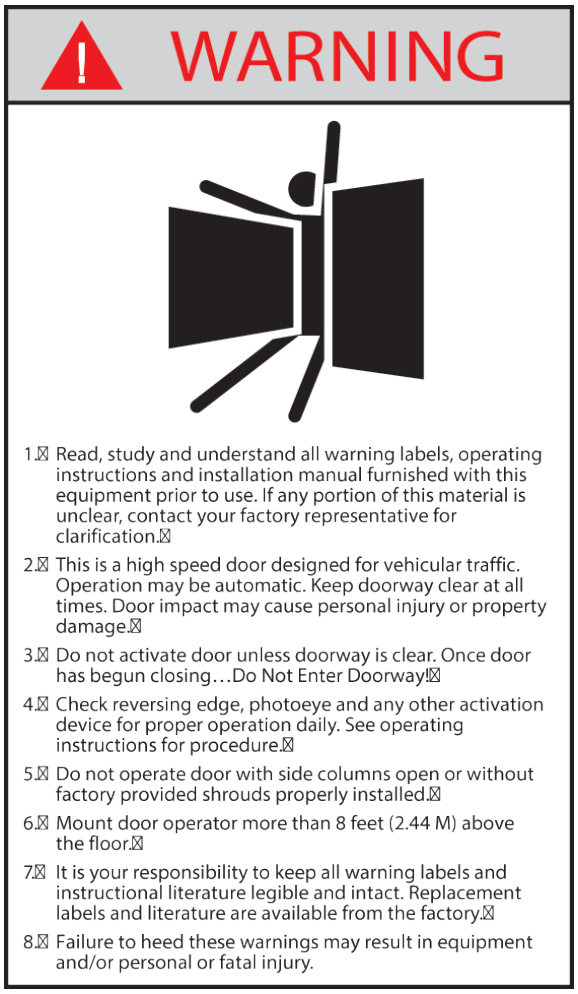
Description - Power, Freezer Door	Qty.
Installation Instructions	1
Sales Drawing	1
Bottom Lead Edge Roller Assembly	1
Label, Warner	4

Door Measurements

DANGER Do not install, operate or service this product unless you have read and understand the Safety Practices, 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. Measure door openings to verify door dimensions (Figures 4, 5). The side frames will fit flush to the opening.
4. Be sure to read all Warning labels before installation.



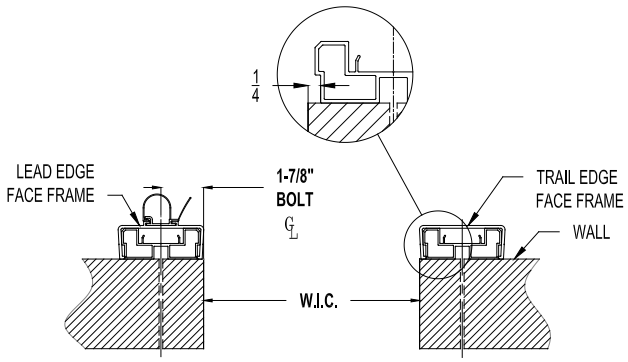


Figure 2: Wall Clip Position – Flat Frame

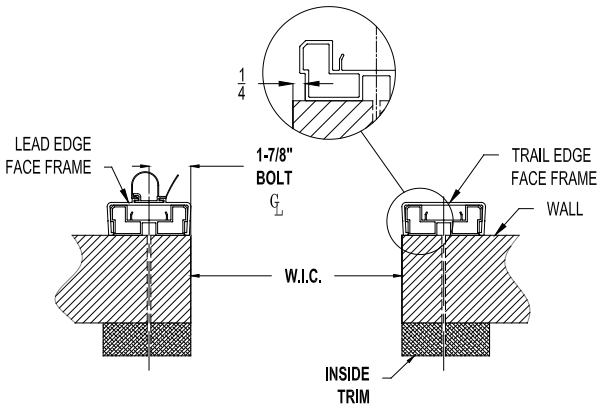


Figure 3: Wall Clip Position – Flat Frame and Inside Trim

Door Measurements Continued

2 Check plumb and square. Shim if necessary (Figure 2). Header and side frames must be on same plane. Make sure operator end is not sagging.

NOTE

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.

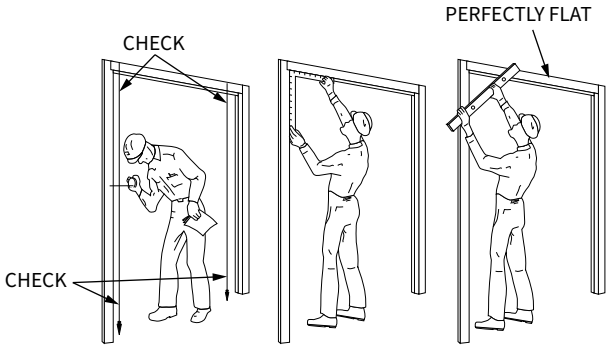


Figure 4: Checking Plumb and Square

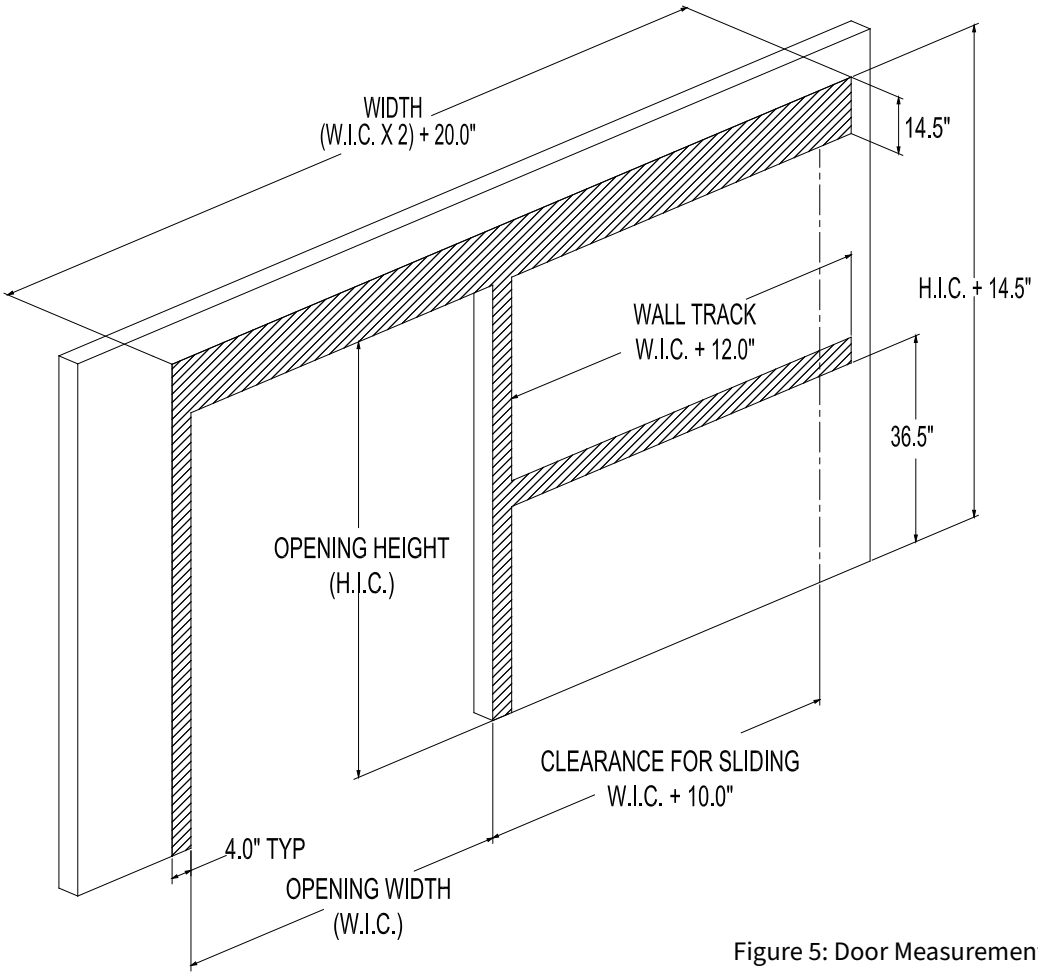


Figure 5: Door Measurements

INSTALLATION

Face Frame Installation

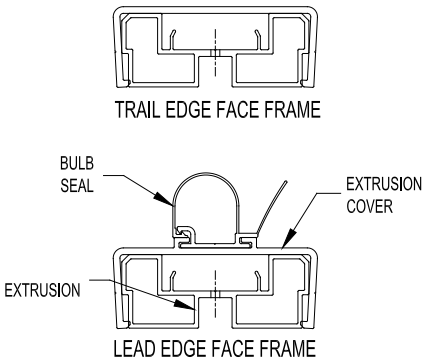
NOTE

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 6).

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.
Installation hardware by others

1 Remove plastic extrusion covers from aluminum face frame extrusions.
2 Attach the aluminum face frame extrusions to the wall (Figure 6). Drill holes for face frame anchors. Placement of the screws should start 6” from the floor, then continueevery 24” for the full height of the frame.
3 Do not reinstall plastic extrusion covers until header has been installed.



IXP Face Frame Assembly

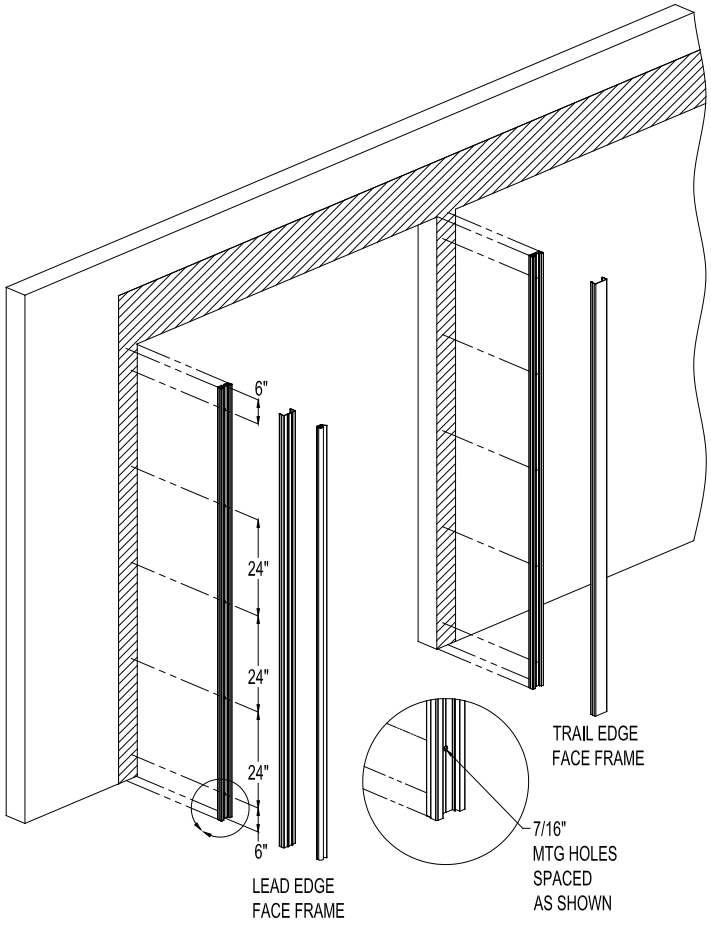


Figure 6: Mounting Face Frames and Inside Trim

Header Installation

⚠ 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.

1. 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 7 & 8).
2. On heated frame applications, care must be taken to not pinch heat tape wires(Figure 9).

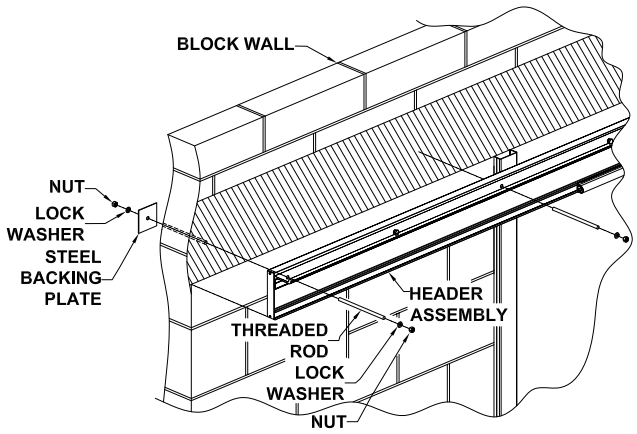


Figure 7: Mounting detail - Block

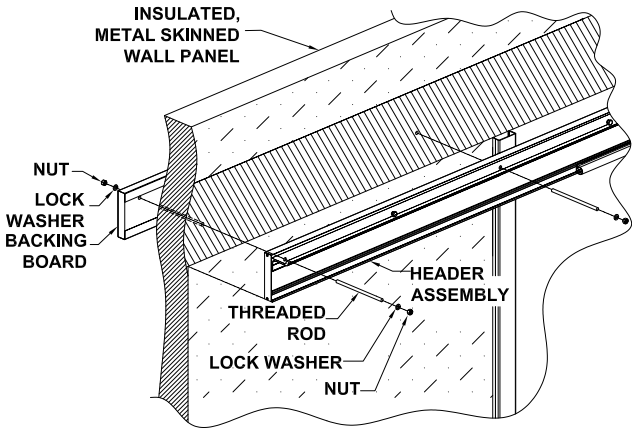


Figure 8: Mounting detail - Insulated

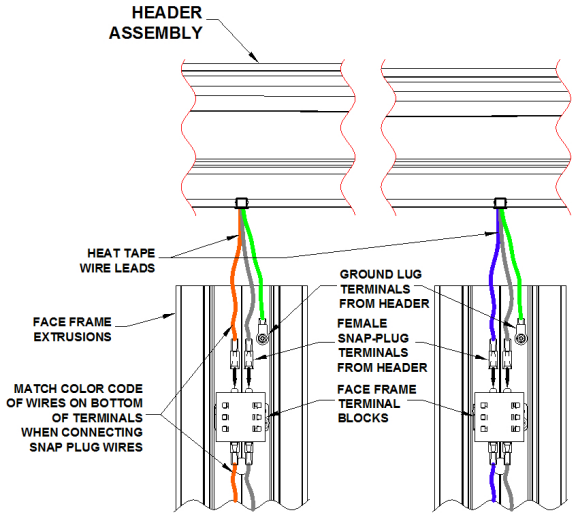


Figure 12: Optional Heat Tape Connections (Freezer Only)

Panel Installation

1. Reinstall plastic extrusion covers on face frame extrusions.
2. Stand door up and attach to rail trolley with bolts or pins provided.(See figures 10 & 11)

⚠ WARNING

Warning when mounting panel, keep personel out of thearea below the header and use caution until the panel is secured to the truck assembly. Failure to do so could result in property damage, personal injury or death.

NOTE

Note when tipping door up, use caustion not to damage bottom gasket. This door will not stand by itself.

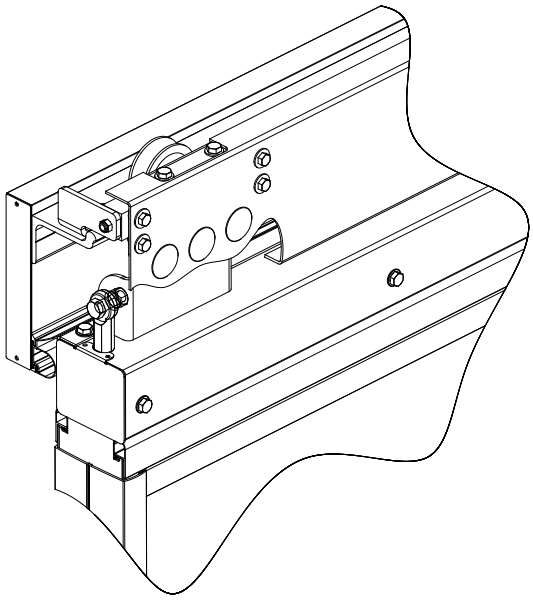


Figure 10: Panel Assembly attached to Header Assembly

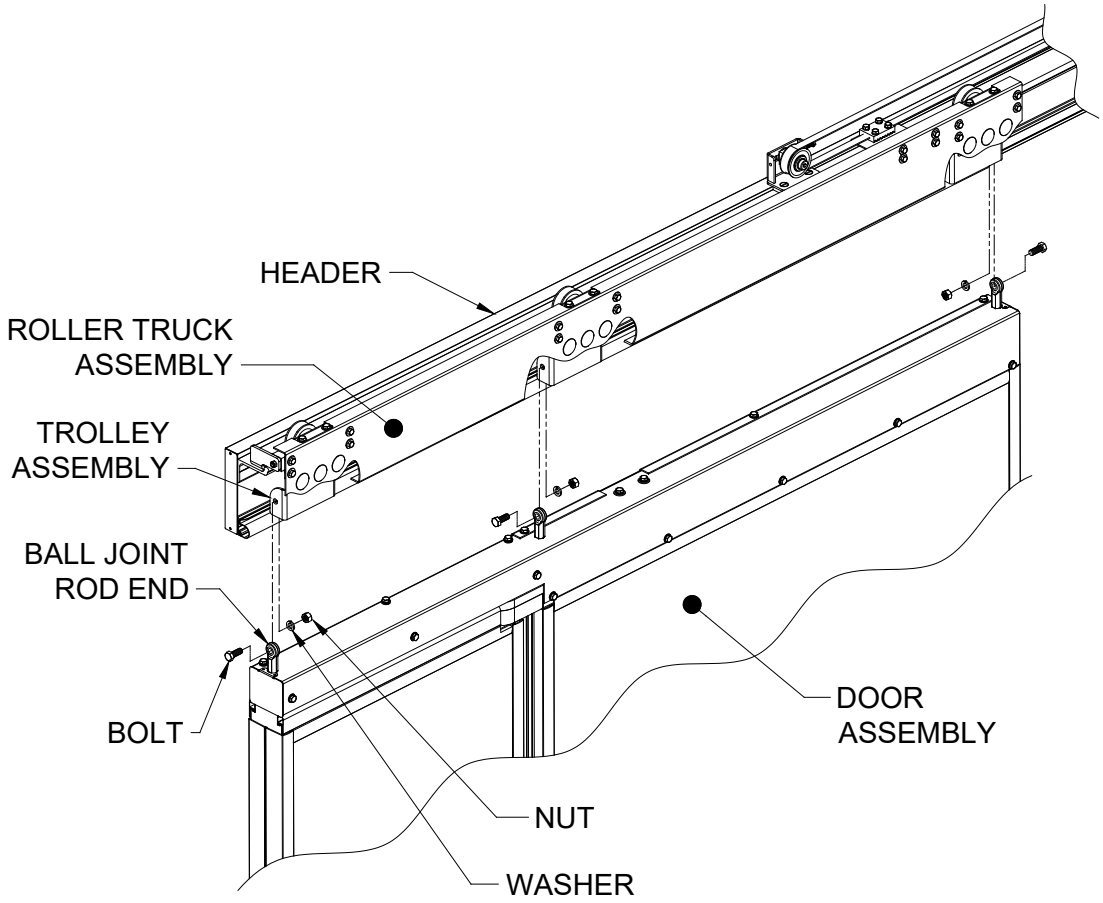


Figure 11: Attaching Panel Assembly to Header Assembly

Door Adjustment Location

Figure 12 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 seal.

1. **Sill gasket adjustment** for leveling panel and adjusting distance from bottom gasket to floor. (Detail 1)
2. **Gasket adjustments** for distance of panel from trailing edge gasket (Detail 2a. – Wall Track Bracket)
3. **Floor Roller adjustments** for distance of panel from leading edge gasket.(Detail 2b. – Lead Edge Roller)

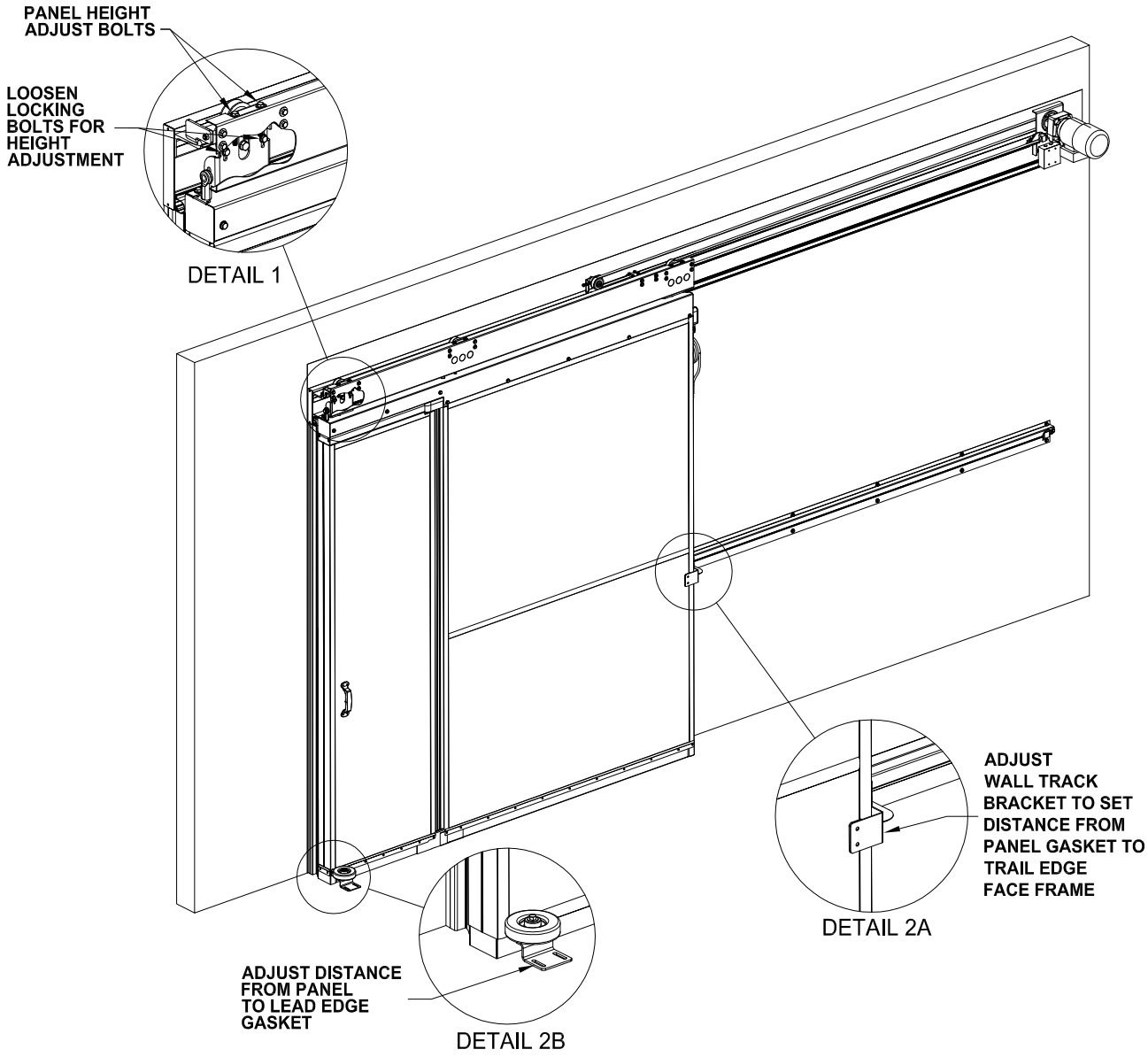


Figure 12: Door Adjustment Locations

Sill Gasket Adjustment

1. Inspect sill gasket position relative to the floor. If gasket does not make contact with the floor when closed, excessively drags on the floor or the floor is uneven, adjustment of the sill gasket is necessary.
2. Adjust the sill gasket position by adjusting door height at the trolley assemblies on the roller truck assembly. (Figure 13). Make adjustments when door is closed.

Door Panel Height Adjustment

1. Remove outer 2 hole plugs on each trolley assembly on roller truck assembly for access to locking bolts on trolley assemblies. Loosen the locking bolts a maximum of 3 turns, to allow height adjustment.
2. Turn panel height adjust bolts on trolley assemblies to adjust engagement of sill gasket and floor. Also, use this adjustment to level door panel as needed.
3. Retighten trolley assembly locking bolts, and replace hole plugs.

⚠ 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.

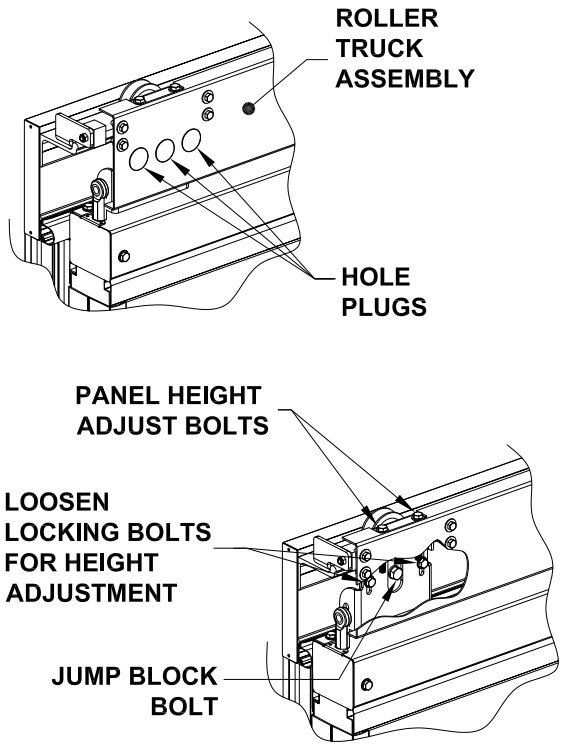


Figure 13: Sill Gasket/Door Panel Height Adjustment

Casing and Header Adjustment

NOTE

Note bring the wall to the door. DO NOT attempt to bend the door to the wall. This is not meant to be used as a final adjustment.

Gasket Adjustment

1. Check for gaps between door and bulb seals. If gaps exist, adjust the top & side bulb seals (see Figures 14, & 15).
2. The bulb seals on the face frame assemblies are shipped in their minimum adjustment state. If the bulb seals need adjustment, slide face frame covers w/bulb seals out to make desired contact with the door. Secure with sheet metal screws through face frame cover and into face frame extrusion to hold this position. The door should hang so that, when in the closed position, the door is completely sealed without causing excessive seal wear.

FACE FRAME GASKETS

1. Adjust (Figure 14 & 15)

LEAD EDGE ROLLER

2. Adjust (Figure 15)
3. Lead edge roller should be set so the door seals, not so that it causes excessive wear on door and gaskets.

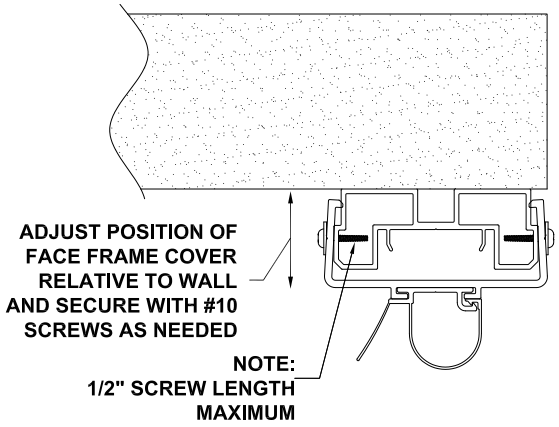


Figure 14: Face Frame Adjustment

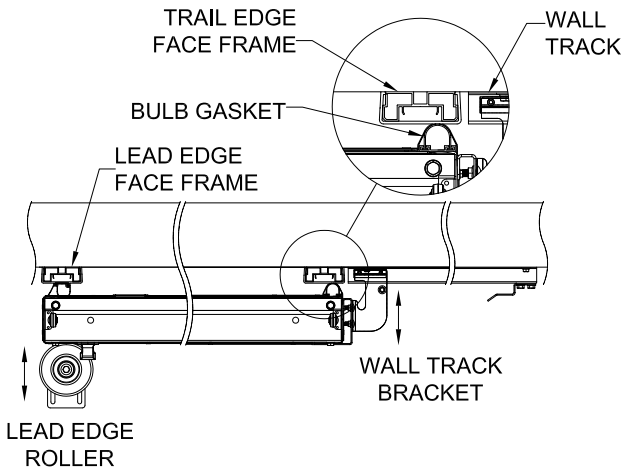


Figure 15: Lead & Trail Edge Gasket Adjustments

Wall Track Installation

1. Locate wall track, and detent bracket assembly in shipping crate and loose parts box.
2. With door in closed position, use following steps to mount wall track assembly (Figure 16).
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 17).
4. Mount end of wall track assembly closest to door first. 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 5/16" fasteners (supplied by installer) 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 5/16" 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 16 & 18). Tighten all fasteners.

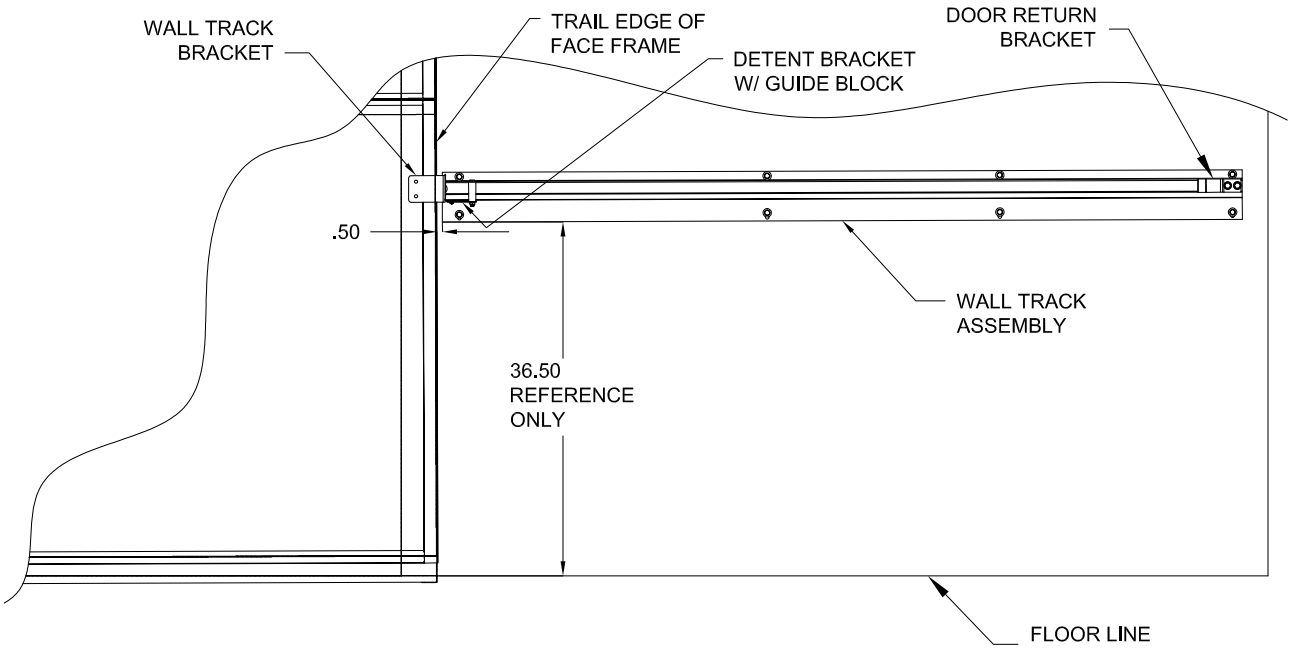


Figure 16: Wall Track Installation

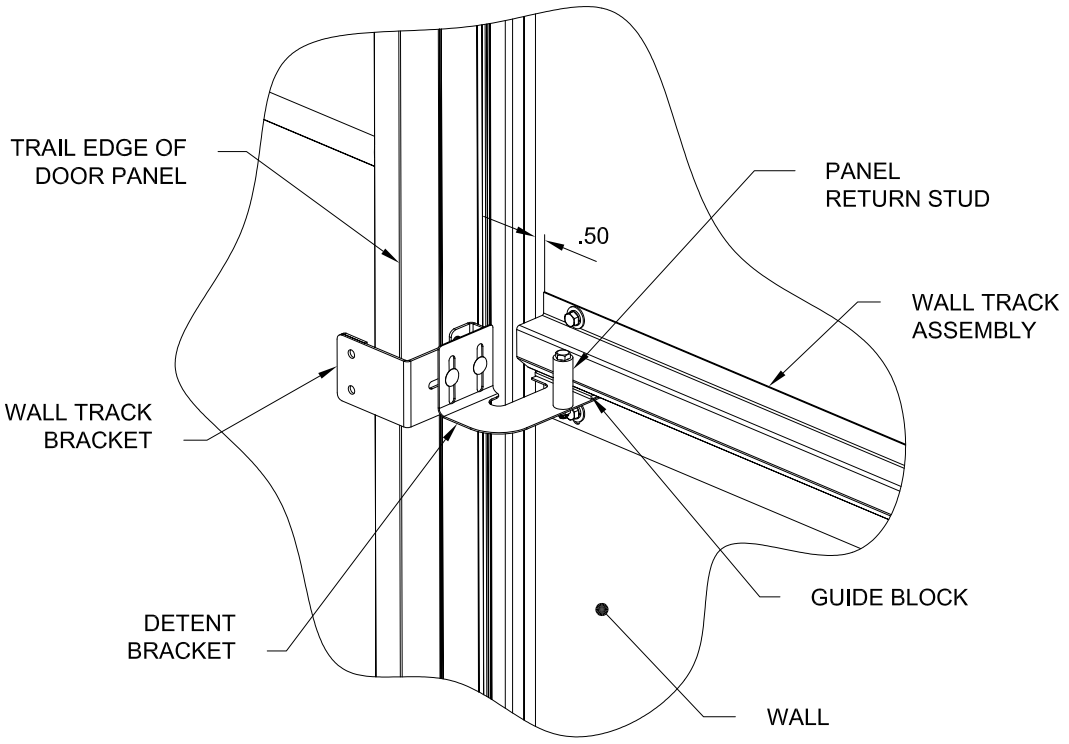


Figure 17: Wall Track Locator Assembly Detail

NOTE

Note views shown depict installation for a right hand door. For left hand doors, installation is mirrored to opposite side.

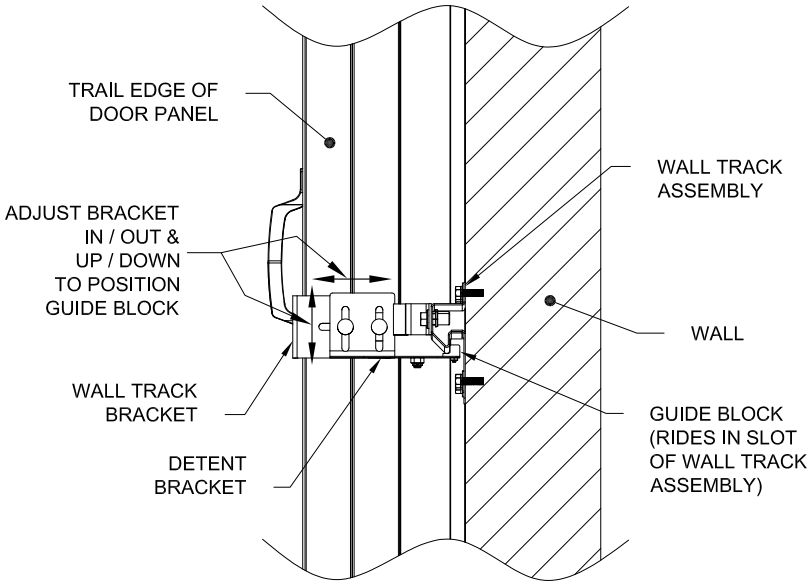


Figure 18: Wall Track Locator Adustments

Breatout Panel Adjustments

The ixp2600 door features an impactable break-away panel on the leading edge of the door to minimize damage in the event of a collision. Figure 19 shows the door assembly with the “breakout” 0r “swing” panel in the “broken-open” position. There are two adjustments to make that will affect the performance of the swing panel feature of the door.

1. **Sensor magnet/switch adjustment** for setting sensitivity of sensor’s detecting when swing panel has been broken away from door.
2. **Spring plunger adjustment** for setting breakout force of swing panel.

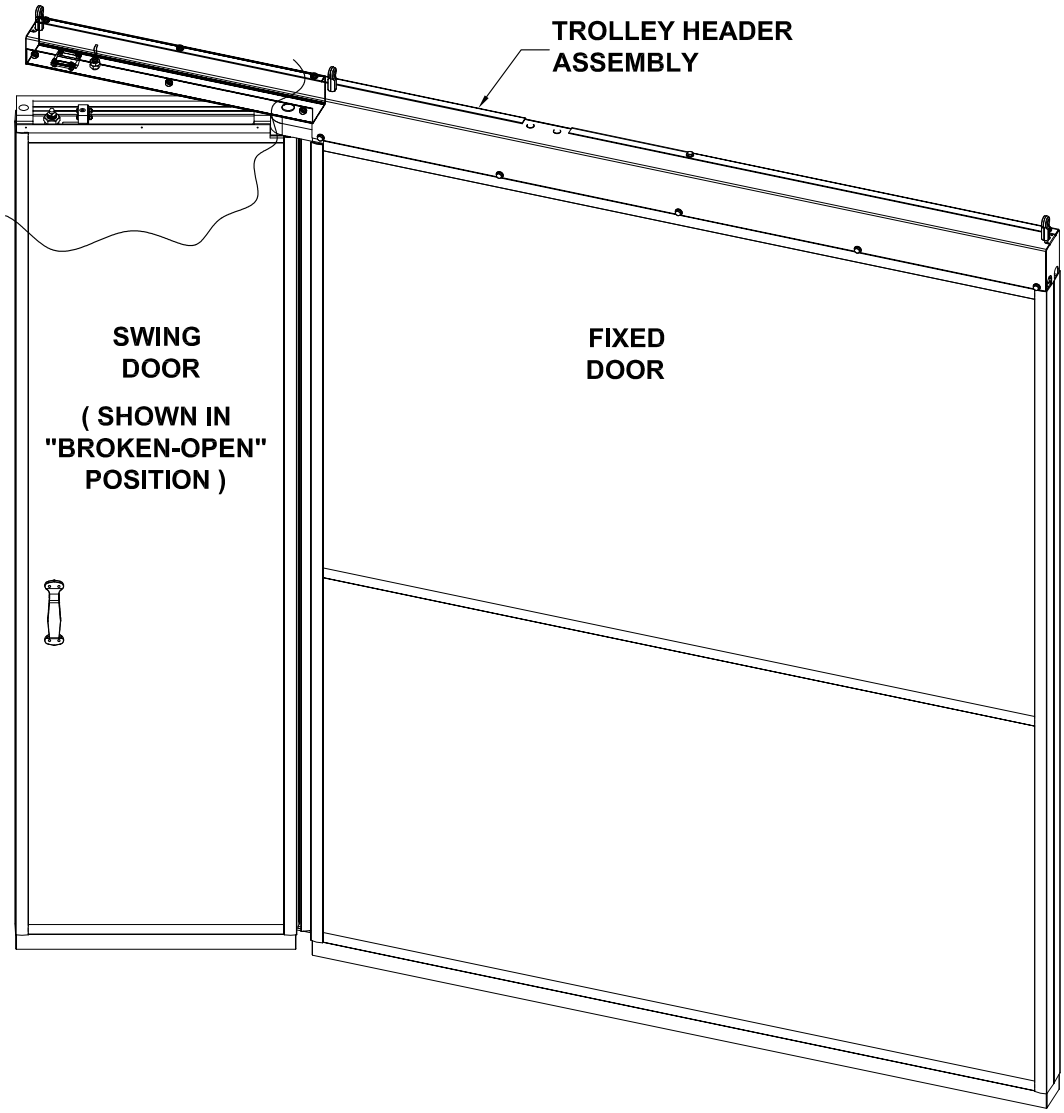


Figure 19: Breakout Panel

Breakout Panel Adjustments Continued

Figure 20 shows the locations of components for making the breakout panel adjustments.

1. **Sensor magnet/switch:** the sensor switch is located in the lead edge end of the trolley header assembly, 7” in from the lead edge end of the assembly. The sensor magnet assembly is mounted in the swing panel, directly below the sensor when the swing panel is not in the broken away condition.
2. **Spring plunger:** the spring panel detent block is also located in the lead edge end of the trolley header assembly, 3.75” In from the lead edge end of the assembly. The spring plunger is mounted in the swing panel, directly below the center of the detent block when the swing panel is not in the broken away condition.

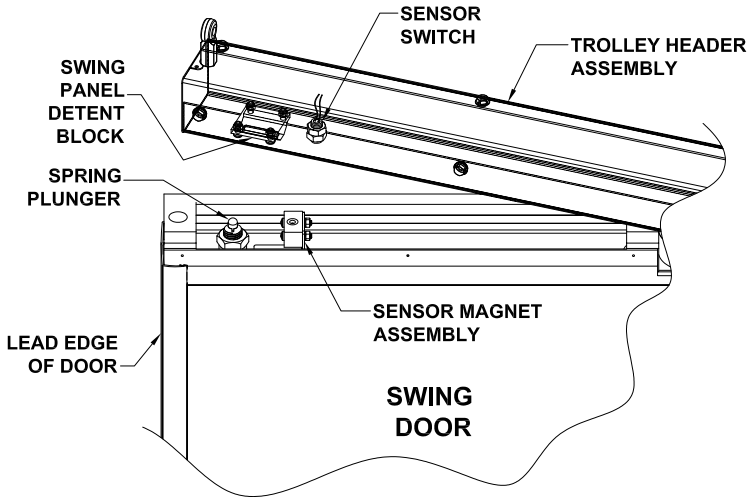


Figure 20: Breakout Panel Adjustment Location

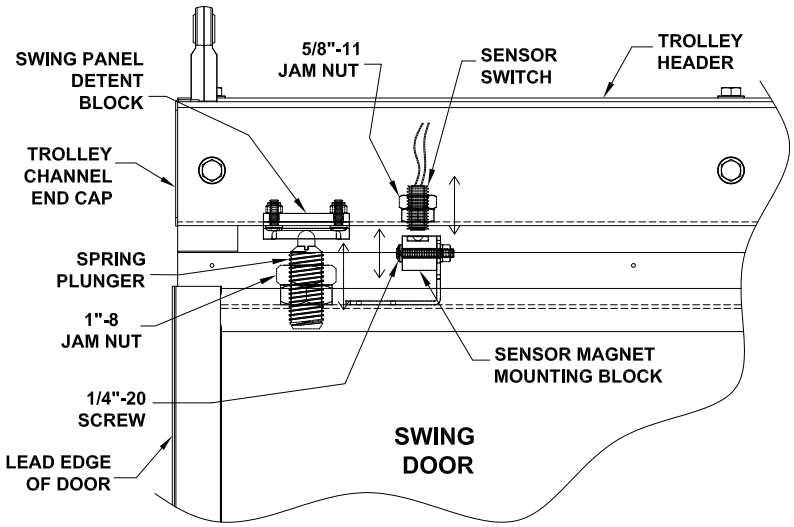


Figure 21: Breakout Panel Adjustment

1. **Sensor magnet/switch adjustment:** (figure 21**)** gap between bottom of sensor switch & top of sensor magnet should be set to 1/4” +/-.125”. To adjust gap, loosen screws holding sensor magnet block in bracket, and slide up or down as needed. Re-tighten screws. If more adjustment is needed, remove trolley channel end cap, loosen top 5/8”-11 jam nut holding sensor in position, and screw sensor up or down in bottom jam nut. Tighten top jam nut, and replace end cap.

   When adjusted properly, sensor will detect if swing panel is out of position, and cut power to door until panel is snapped back into place. If gap is set too large, door will not move, because sensor will indicate panel is broken away, and power to the door will be interrupted.

2. **Spring plunger adjustment** to increase or decrease force needed to break away swing panel, adjust height of spring plunger. Loosen top 1” jam nut, and rotate spring plunger in bottom 1”-8 jam nut to desired height. Re-tighten top jam nut, and test force needed to snap swing panel into and out of locked position. Repeat adjustment as needed. Set this adjustment so that a reasonably strong force applied by hand will break the panel away, but swing panel does not break away under normal operation of the door.

Heat Cable Connections (Freezer Only)

1. Mount junction box for Heat Cable Connection.
2. Run 115V (typical) power to junction box (Figure #22)

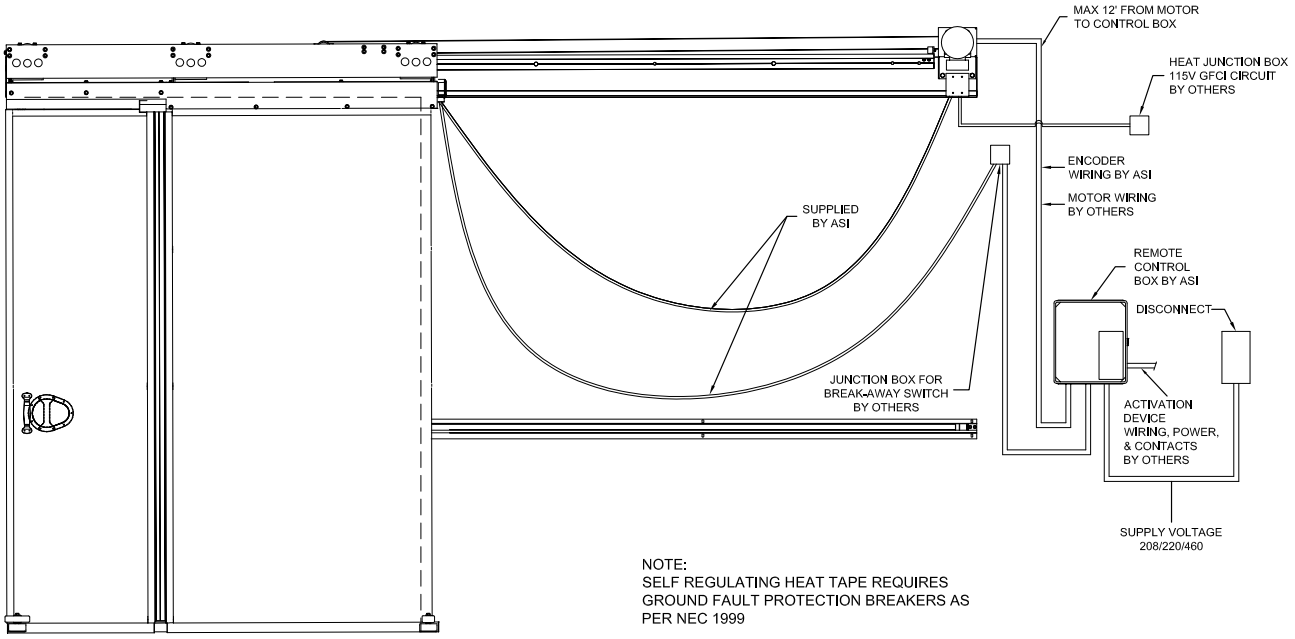


Figure 22: Power Wiring

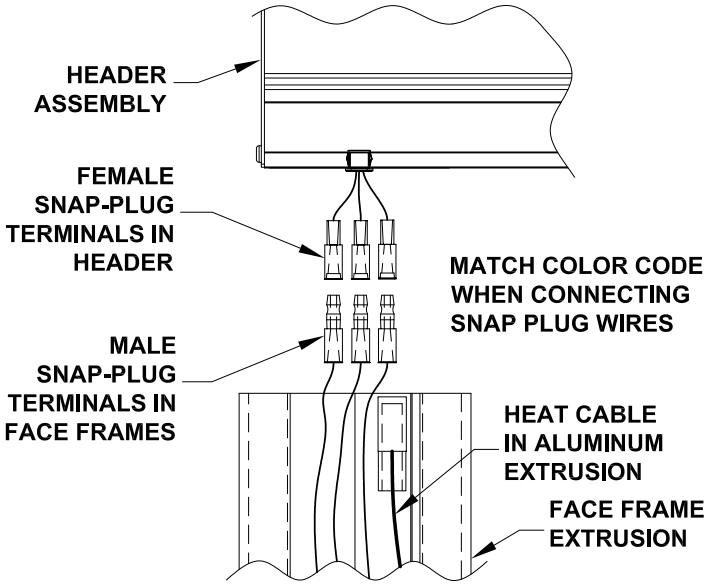


Figure 23: Heater Cable Connections

Drive Belt Adjustment, Removal and Installation

Adjustment

1. To adjust the belt tension, loosen the tension adjust locking nut, and turn belt tension adjustment screw in to increase tension, or out to decrease tension as needed. (Figure 24,25 & 26).
2. The belt must be tight. No more than 1/2” of deflection.

Removal and installation

1. Release the tension on the idler sprocket by using procedure above, and decreasing all tension on belt. (Figure 25).
2. Slip belt off of front side of idler pulley assembly, and off of back side of belt sprocket on motor at other end of belt.
3. Reverse steps to reinstall.

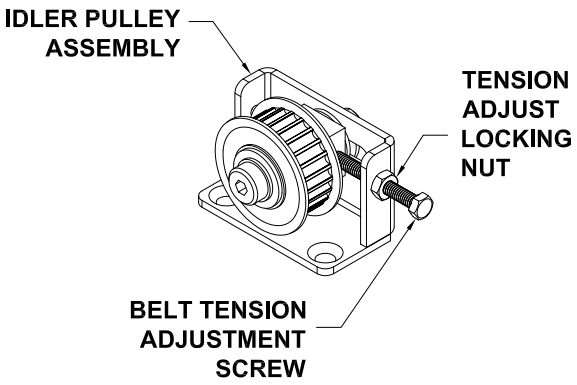


Figure 24: Idler Pulley Assembly

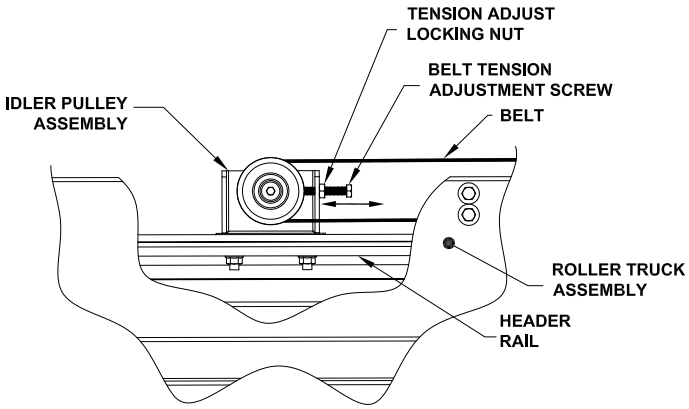


Figure 25: Belt Tension Adjustment

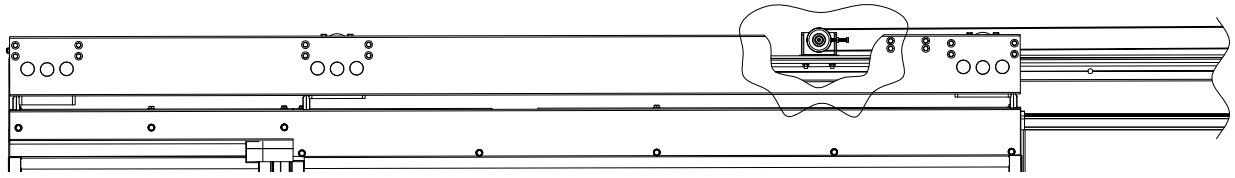


Figure 26: Idler Assembly Location

Electrical Control

⚠ WARNING

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

Connections

1. Wire from "T1", "T2", "T3", and "GND" in control box to corresponding terminals in motor junction box.

   a. Check motor junction box wiring for correct voltage.

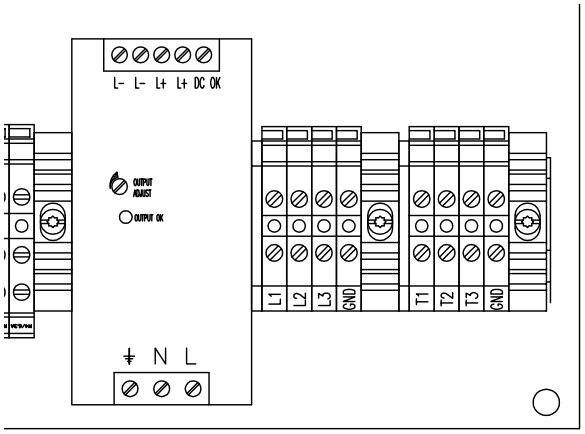


Figure 27: Typical ASI Control Panel Terminal Block

⚠ 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. Wire encoder into control box.

   A. **Red - terminal "+".**

   B. **Black - terminal "com"**.

   C. **Shield - terminal "shd"**.

   D. The white and green wires are wired based on door handing.

      I. **Rh doors: a: white, b: green**

      Ii. **Lh doors: a: green, b: white**

3. Wire breakaway switch into control box.

   A. Connect flexible cable to junction box provided by others. Use the black and white wires provided in cable.

   B. Wire to terminals "l+" and "64" in Control box.

   C. (Use red and green wires for optional padlock hasp.

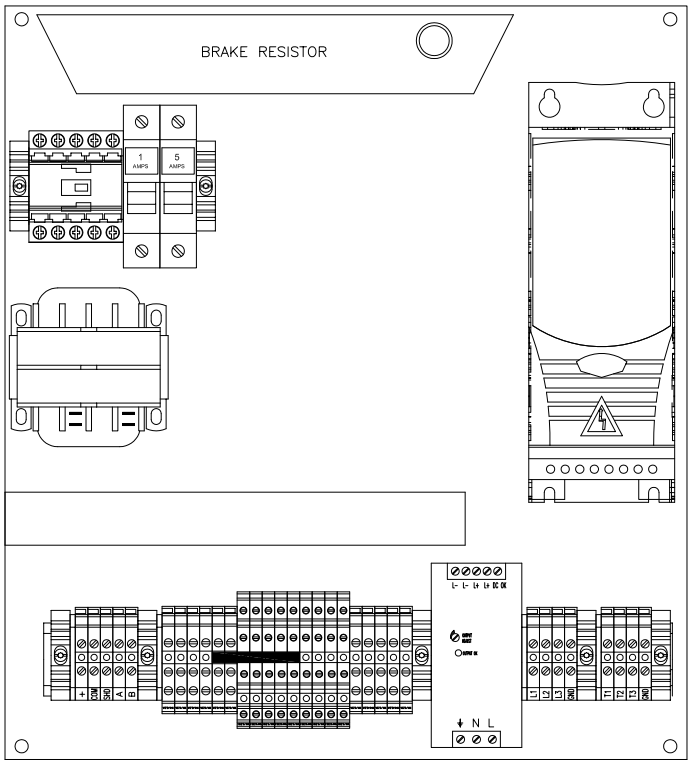


Figure 28: Typical ASI Control Panel

INSTALLATION

NOTE

Note: Power can be supplied to disconnect later

4. Mount fused disconnect (accessible from floor under control box.
5. Remove power at fused disconnect and lock out 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. Using copper wires, connect 3 phase power from disconnect to L1, L2, L3 in control box. run ground wire to lug in control box.

NOTE

Note: Steps 8 & 9 for freezer doors only

8. Mount junction box for header cable connection.
9. Run 115V GFCI (typical) power to junction box (Figure 29).
10. Wire all applicable activation and sensing devices per electrical schematics.

NOTE

Note: When drilling control enclosure, protect components from debris, or resulting damage will void warranty. DRILLING TOP OF ENCLOSURE WILL VOID WARRANTY.

NOTE

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

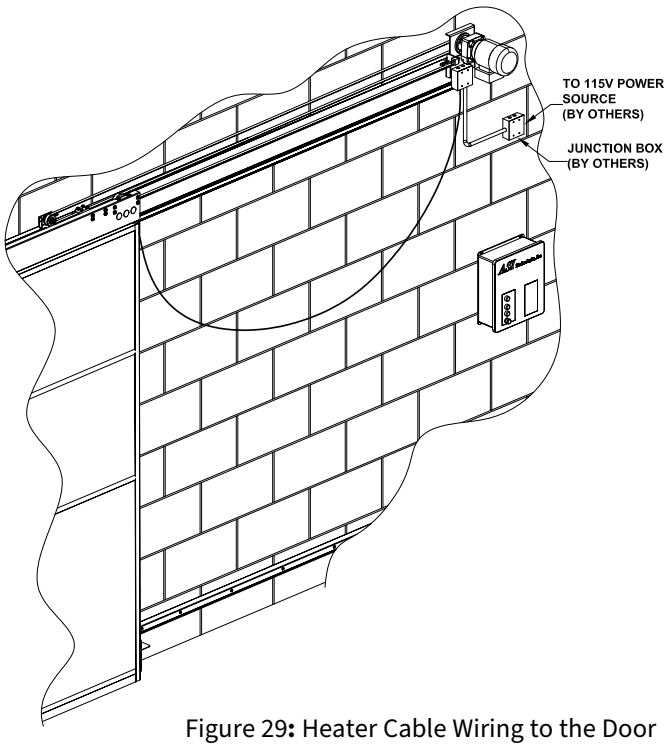


Figure 29**:** Heater Cable Wiring to the Door

NOTE

Note: Before turning on electrical power, make sure the door is connected to the drive

⚠ WARNING

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

1. Pull out stop button.
2. Manually move door to middle of travel.
3. Apply power to door.

⚠ WARNING

Warning: When 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.

4. Once calibraion scree is reached, press the "DIAG" button to start calibraion.
5. Door should be moving in the open direction.
    a. If door begins to close the phasing is wrong.
        i. Press stop button
        ii. Remove power from door.
        iii. Switch wires in terminals T1 & T2 to change motor phasing.
        iv. Restrat at step 1.
6. While door is opening, monitor the "Encoder Count" reading. This number should cecome smaller (more negative) as the door opens.
    a. If this number is getting greater, the encoder is out of phase.
        i. Press stop button
        ii. Remove power from door.
        iii. Switch green and white wires in terminals A & B.
        iv. Restart at step 1.
7. Once door has reached full open position, calibration is complete.
8. Press "Close" button to close door.
9. Door is ready for normal operation.

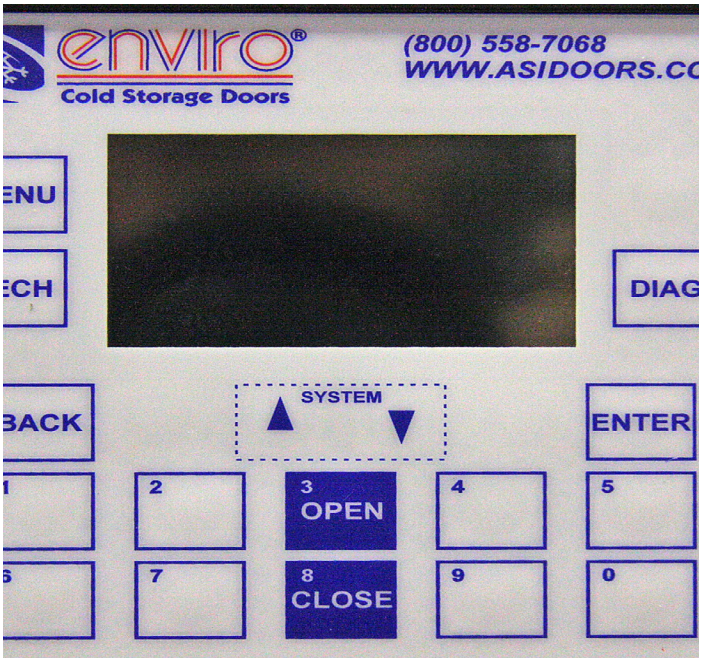


Figure 30: IXP Controller Keypad

Setting Up the Auto Close Timer

1. Access the “User” menu.
2. Use arrow keys to navigate to “Close Delay”.
3. Press “Enter” button to edit value.
4. Use arrow keys to adjust the number of seconds the door will remain open before automatically closing.
5. Press “Enter” button to save value.
6. Press “Escape” button to go back to main menu.
7. Only apply auto close timer when photoeyes are installed on door.

Troubleshooting

Power Operators

Problem	Corrective Measures
A. Door will not reach full closed position (reverses in middle of travel). Fault = over current while closing.	a. Press “Tech” button b. Press down arrow to get to “Close Profile” c. Press “Enter” d. Press down arrow to get to “Close Torque” e. Press “Enter” to edit this value i. Increase in increments of 5, attempting to cycle the door after each change
B. Door will not reach full closed position (reverses at end of travel).	a. Press “Tech” button b. Press down arrow to get to “Close Profile” c. Press “Enter” d. Press down arrow to get to “Close Crawl Torque” e. Press “Enter” to edit this value i. Increase in increments of 5, attempting to cycle the door after each change
C. Door slows down too early while closing (Crawl distance is too large).	a. Press “Tech” button b. Press down arrow to get to “Close Profile” c. Press “Enter” d. Press down arrow to get to “Close Crawl Decal” e. Press “Enter” to edit this value i. Decrease in increments of 5, attempting to cycle the door after each change f. There must be a crawl region of at least 6-10 inches.
D. Door opens too slowly	a. Press “Tech” button b. Press down arrow to get to “Open Profile” c. Press “Enter” d. Press down arrow to get to “Open Speed” e. Press “Enter” to edit this value i. Increase in increments of 5, attempting to cycle the door after each change f. The maximum speed on single sliding doors is 85.
E. Door slows down too early while opening (Crawl distance is too large).	a. DO NOT adjust this before adjusting open speed. b. Press “Tech” button c. Press down arrow to get to “Open Profile” d. Press “Enter” e. Press down arrow to get to “Open Crawl Decal” f. Press “Enter” to edit this value i. Decrease in increments of 5, attempting to cycle the door after each change

Fault Codes/Tech Spread Sheet

FAULT CODE	Description	Possible Solution
COMMUNICATION FAULT WITH DRIVE	PLC can't communicate with drive	Plug in communication cable, restore power to drive, replace cable
MOTOR RUN TIMER >10 SEC.	Door travels in one direction for longer than 10 seconds before reaching open or close limit	Increase top speed. Decrease crawl position.
CLOSE POSITION NOT REACHED 4 TIMES	Torque reversal sensed 4 times without reaching full closed	Increase close crawl torque
BREAKAWAY SWITCH ACTIVE	Panel is broken away	Return Breakaway panel to normal position. Check wiring.
ENCODER FAULT	Motor has been activated for sometime without the encoder changing.	check encoder wiring, replace encoder
OVER TORQUE WHILE OPENING	Obstruction sensed while opening	Clear obstruction or raise open torque value
OVER TORQUE OPEN CRAWL	Obstruction sensed while crawling open	Clear obstruction or raise open crawl torque value
OVER TORQUE WHILE CLOSING	Obstruction sensed while closing	Clear obstruction or raise close torque value
DC OVERVOLTAGE FAULT	Excessive intermediate circuit DC voltage	check deceleration time<1.2sec, incoming power surge
DRIVE THERMISTOR FAULT	VFD environment temp is either to high or to low	Temp in control box should be between 20-120 degrees F
COMMUNICATION BREAK	PLC can't communicate with drive	check communication cable from plc to drive, new program was installed
E-STOP ACTIVE	E-STOP button depressed	pull out E-STOP
ACTIVATION FAULT	Activation signal at start-up or after release of E-STOP	remove all activations, Cycle E-STOP

Preventative Maintenance

Preventative Maintenance Daily & Monthly

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

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

ASI Doors, Inc.

MILWAUKEE WISCONSIN MADE IN USA

DOOR MODEL | JOB NUMBER | DOOR NUMBER

MFG. DATE | INSPECTED BY

Figure 52: ID Label - Manual Door

Power Doors

ASI Doors, Inc.

MILWAUKEE WISCONSIN MADE IN USA

DOOR MODEL | JOB NUMBER | DOOR NUMBER

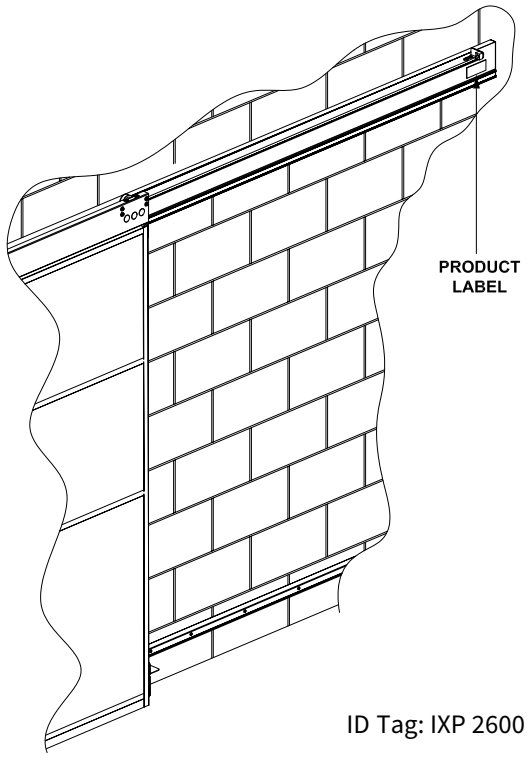
MFG. DATE | INSPECTED BY

OPERATOR TYPE | MODEL # | WIRING DIAGRAM

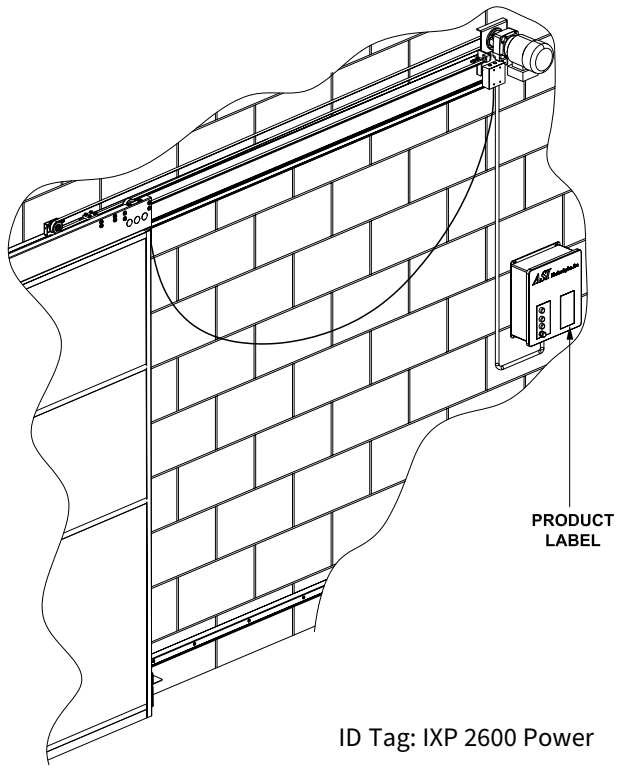
HORSEPOWER | VOLTAGE/PHASE | HZ | AMPERAGE

Figure 53: ID Label - Power Door

ID Tag Location



ID Tag: IXP 2600 Manual

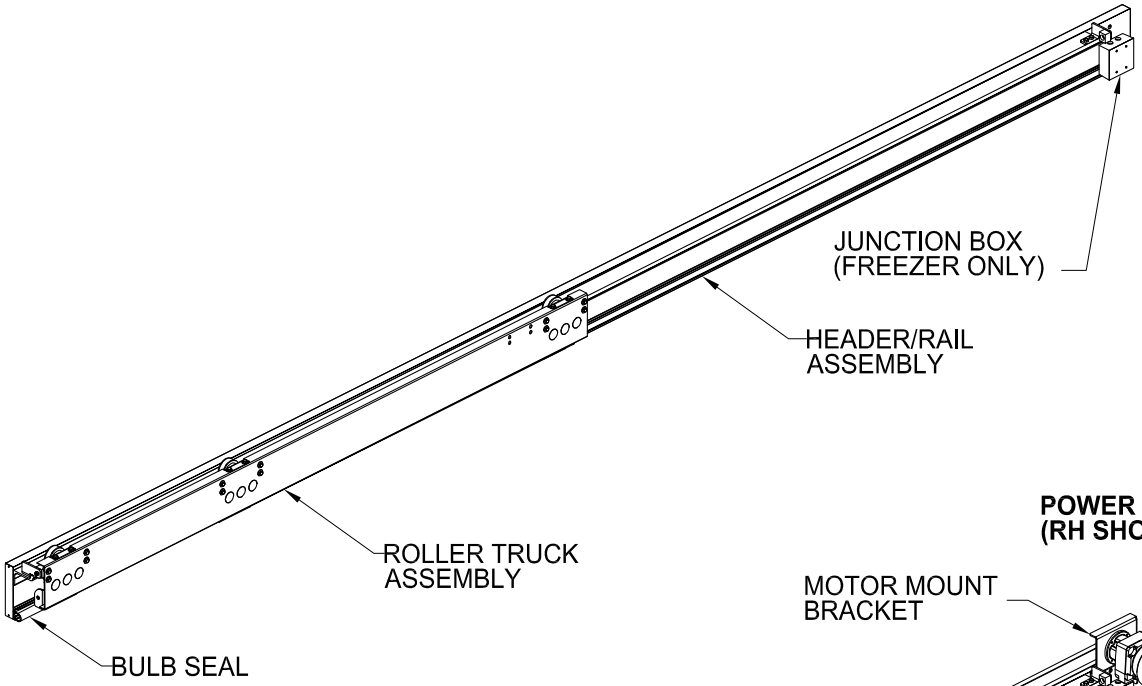


ID Tag: IXP 2600 Power

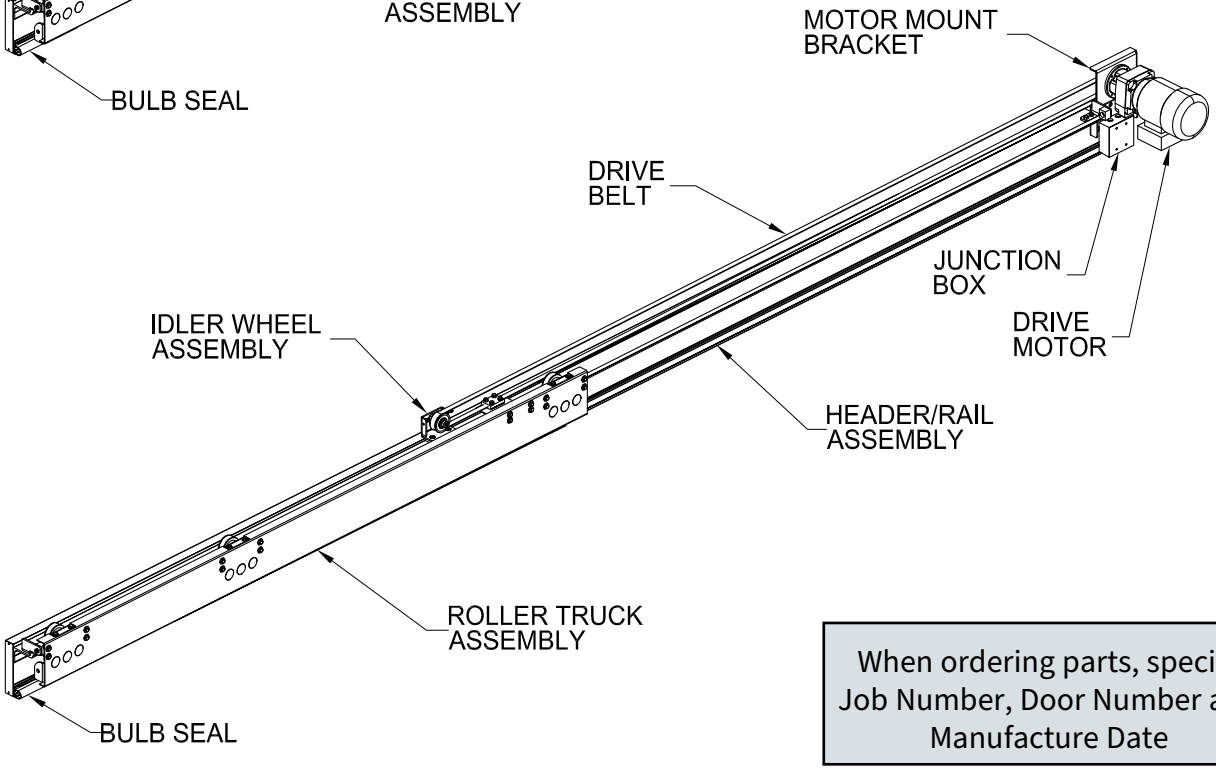
When ordering parts, specify Job Number, Door Number and Manufacture Date

Header Assemblies

MANUAL OPERATOR (RH SHOWN)



POWER OPERATOR (RH SHOWN)



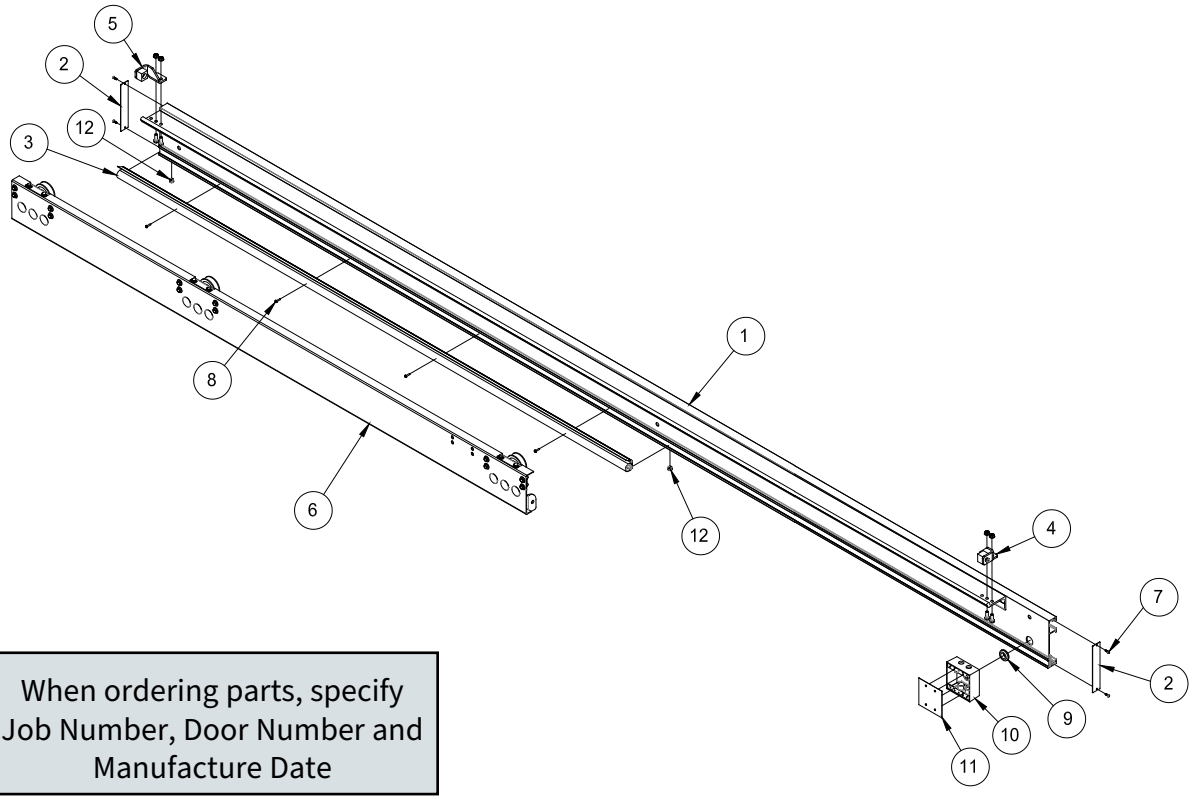
When ordering parts, specify Job Number, Door Number and Manufacture Date

Description	Part #
Header Assy, Alum, RH, Manual, Single-Slide, IXP Door	80D024
Header Assy, Alum, LH, Manual, Single-Slide, IXP Door	80D025
Header Assy, Alum, RH, Power, Single-Slide, IXP Door	80D028
Header Assy, Alum, LH, Power, Single-Slide, IXP Door	80D029

Manual Header Assemblies, RH

Part # 80D024

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM #
-	-	-	1	ASM, HEADER, S\SLD IXP DOOR, RH, MAN, AL & GV, WIC <=96	80D024F1	-
-	-	1	-	ASM, HEADER, S\SLD IXP DOOR, RH, MAN, AL & S/S, WIC <=96	80D024F2	-
-	1	-	-	ASM, HEADER, S\SLD IXP DOOR, RH, MAN, AL & GV, WIC > 96	80D024F3	-
1	-	-	-	ASM, HEADER, S\SLD IXP DOOR, RH, MAN, AL & S/S, WIC > 96	80D024F4	-
-	-	-	1	HEADER ASSY, MAN, RH, S-SLD, IXP DOOR, WIC <=96, ZN	24B232F1	1
-	1	-	-	HEADER ASSY, MAN, RH, S-SLD, IXP DOOR, WIC > 96, ZN	24B232F2	1
-	-	1	-	HEADER ASSY, MAN, RH, S-SLD, IXP DOOR, WIC <=96, S/S	24B232F3	1
1	-	-	-	HEADER ASSY, MAN, RH, S-SLD, IXP DOOR, WIC > 96, S/S	24B232F4	1
-	2	-	2	COVER, ALUMINUM HEADER, GV	13A239F1	2
2	-	2	-	COVER, ALUMINUM HEADER, S/S	13A239F2	2
-	-	1	1	BULB / BLADE SEAL, TOP, IXP HEADER, WIC <= 96	15B017F1	3
1	1	-	-	BULB / BLADE SEAL, TOP, IXP HEADER, WIC > 96	15B017F2	3
-	1	-	1	ASM, END STOP, RH, IXP HEADER, ZN	24B0377RN10	4
1	-	1	-	ASM, END STOP, RH, IXP HEADER, S/S	24B0377RN20	4
-	1	-	1	ASM, END STOP, LH, IXP HEADER, ZN	24B0377LN10	5
1	-	1	-	ASM, END STOP, LH, IXP HEADER, S/S	24B0377LN20	5
-	1	-	1	ROLLER TRUCK ASSY, RH, MAN, S/SLD, IXP DOOR, GV	24B046F1	6
1	-	1	-	ROLLER TRUCK ASSY, RH, MAN, S/SLD, IXP DOOR, S/S	24B046F2	6
4	4	4	4	SCREW, #10 x .625, PH TRSMS, SS	41A158	7
4	4	4	4	SCREW, #8 x .75, SLDR, HEX	41A542	8
1	1	1	1	GROMMET, .875 ID (FREEZER ONLY)	11A086-B	9
1	1	1	1	JUNCTION BOX, WEATHERPROOF, 2-GANG (FREEZER ONLY)	22A003	10
1	1	1	1	COVER, ELECTRICAL, BLANK, 2-GANG (FREEZER ONLY)	22A004-A	11
2	2	2	2	BUSHING, SNAP (FREEZER ONLY)	22A221	12



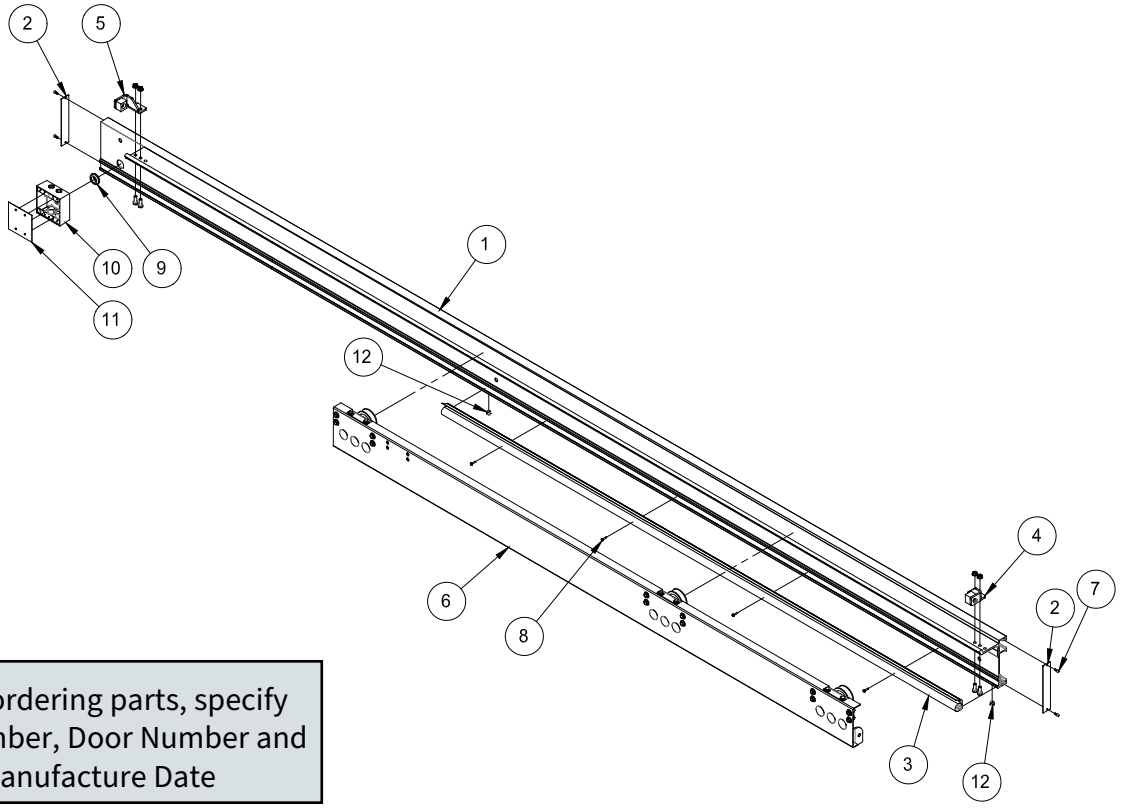
When ordering parts, specify Job Number, Door Number and Manufacture Date

REPLACEMENT PARTS

Manual Header Assemblies, LH

Part # 80D025

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM #
-	-	-	1	ASM, HEADER, S\SLD IXP DOOR, LH, MAN, AL & GV, WIC <=96	80D025F1	-
-	-	1	-	ASM, HEADER, S\SLD IXP DOOR, LH, MAN, AL & S/S, WIC <=96	80D025F2	-
-	1	-	-	ASM, HEADER, S\SLD IXP DOOR, LH, MAN, AL & GV, WIC > 96	80D025F3	-
1	-	-	-	ASM, HEADER, S\SLD IXP DOOR, LH, MAN, AL & S/S, WIC > 96	80D025F4	-
-	-	-	1	HEADER ASSY, MAN, LH, S-SLD, IXP DOOR, WIC <=96, ZN	24B262F1	1
-	1	-	-	HEADER ASSY, MAN, LH, S-SLD, IXP DOOR, WIC > 96, ZN	24B262F2	1
-	-	1	-	HEADER ASSY, MAN, LH, S-SLD, IXP DOOR, WIC <=96, S/S	24B262F3	1
1	-	-	-	HEADER ASSY, MAN, LH, S-SLD, IXP DOOR, WIC > 96, S/S	24B262F4	1
-	2	-	2	COVER, ALUMINUM HEADER, GV	13A239F1	2
2	-	2	-	COVER, ALUMINUM HEADER, S/S	13A239F2	2
-	-	1	1	BULB / BLADE SEAL, TOP, IXP HEADER, WIC <= 96	15B017F1	3
1	1	-	-	BULB / BLADE SEAL, TOP, IXP HEADER, WIC > 96	15B017F2	3
-	1	-	1	ASM, END STOP, RH, IXP HEADER, ZN	24B0377RN10	4
1	-	1	-	ASM, END STOP, RH, IXP HEADER, S/S	24B0377RN20	4
-	1	-	1	ASM, END STOP, LH, IXP HEADER, ZN	24B0377LN10	5
1	-	1	-	ASM, END STOP, LH, IXP HEADER, S/S	24B0377LN20	5
-	1	-	1	ROLLER TRUCK ASSY, LH, MAN, S/SLD, IXP DOOR, GV	24B047F1	6
1	-	1	-	ROLLER TRUCK ASSY, LH, MAN, S/SLD, IXP DOOR, S/S	24B047F2	6
4	4	4	4	SCREW, #10 x .625, PH TRSMS, SS	41A158	7
4	4	4	4	SCREW, #8 x .75, SLDR, HEX	41A542	8
1	1	1	1	GROMMET, .875 ID (FREEZER ONLY)	11A086-B	9
1	1	1	1	JUNCTION BOX, WEATHERPROOF, 2-GANG (FREEZER ONLY)	22A003	10
1	1	1	1	COVER, ELECTRICAL, BLANK, 2-GANG (FREEZER ONLY)	22A004-A	11
2	2	2	2	BUSHING, SNAP (FREEZER ONLY)	22A221	12

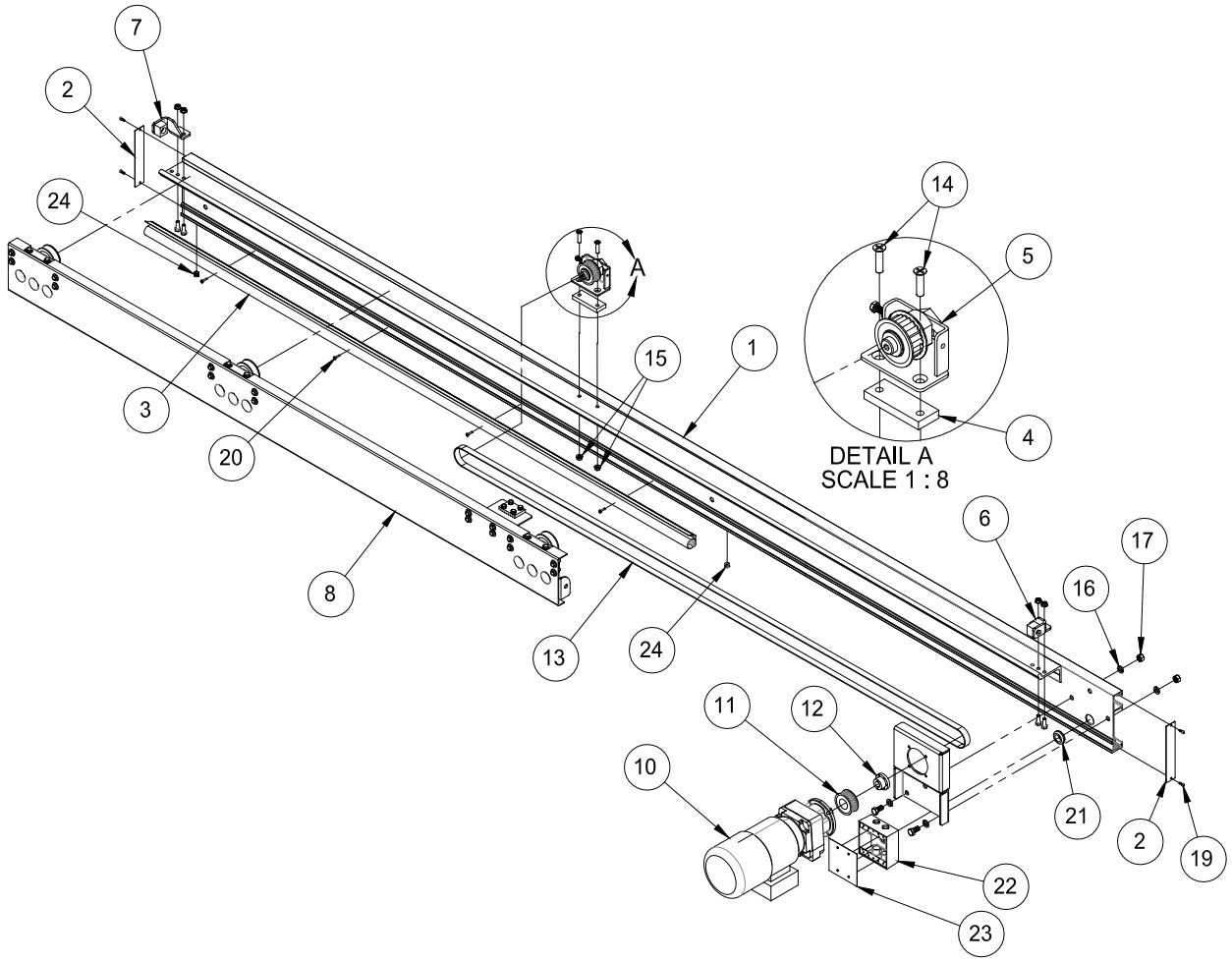


When ordering parts, specify Job Number, Door Number and Manufacture Date

REPLACEMENT PARTS

Power Header Assemblies, RH

Part # 80D028



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

REPLACEMENT PARTS

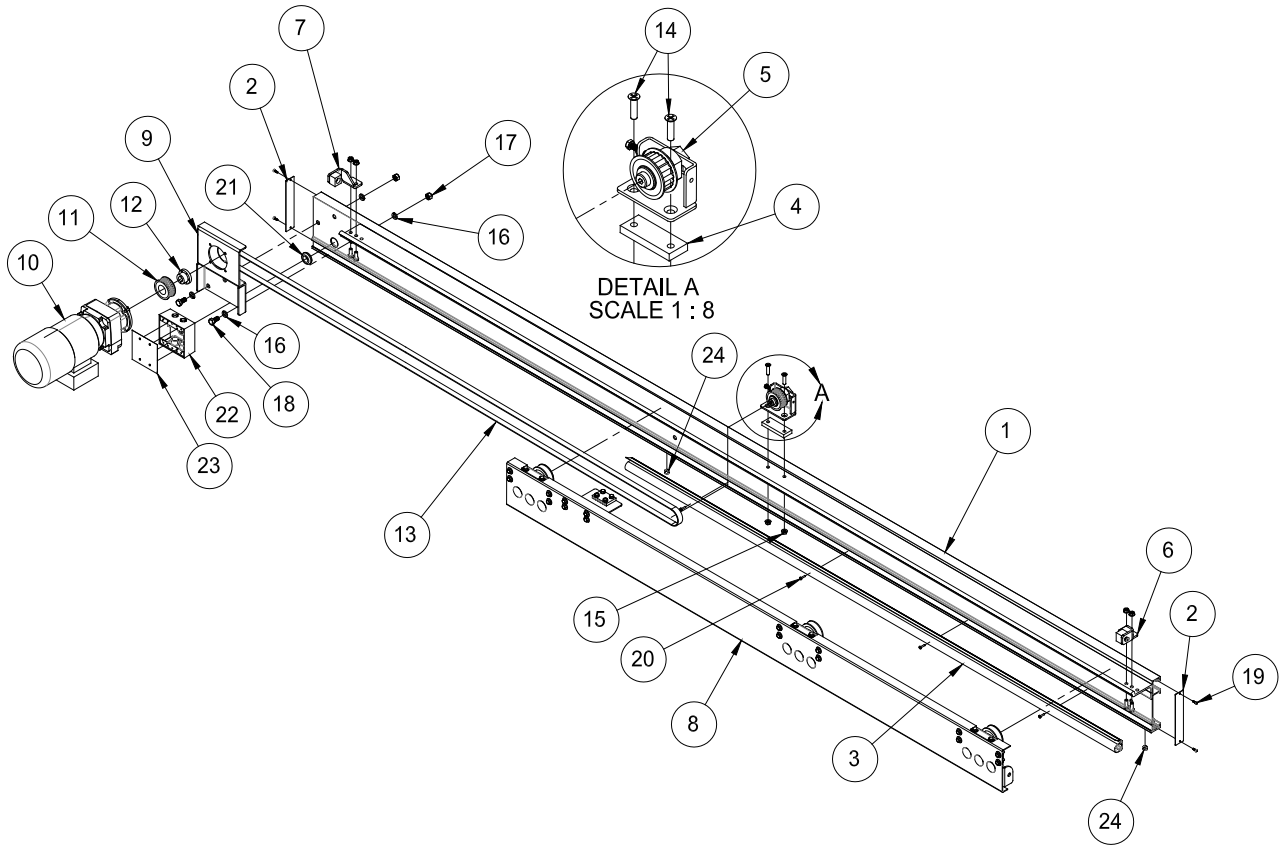
Power Header Assemblies, RH

Part # 80D028

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM #
-	-	-	1	ASM, HEADER, S\SLD IXP DOOR, RH, PWR, AL & GV, WIC <=96	80D028F1	-
-	-	1	-	ASM, HEADER, S\SLD IXP DOOR, RH, PWR, AL & S/S, WIC <=96	80D028F2	-
-	1	-	-	ASM, HEADER, S\SLD IXP DOOR, RH, PWR, AL & GV, WIC > 96	80D028F3	-
1	-	-	-	ASM, HEADER, S\SLD IXP DOOR, RH, PWR, AL & S/S, WIC > 96	80D028F4	-
-	-	-	1	HEADER ASSY, PWR, RH, S-SLD, IXP DOOR, WIC <= 96, ZN	24B139F1	1
-	1	-	-	HEADER ASSY, PWR, RH, S-SLD, IXP DOOR, WIC > 96, ZN	24B139F2	1
-	-	1	-	HEADER ASSY, PWR, RH, S-SLD, IXP DOOR, WIC <= 96, S/S	24B139F3	1
1	-	-	-	HEADER ASSY, PWR, RH, S-SLD, IXP DOOR, WIC > 96, S/S	24B139F4	1
-	2	-	2	COVER, ALUMINUM HEADER, GV	13A239F1	2
2	-	2	-	COVER, ALUMINUM HEADER, S/S	13A239F2	2
-	-	1	1	BULB / BLADE SEAL, TOP, IXP HEADER, WIC <= 96	15B017F1	3
1	1	-	-	BULB / BLADE SEAL, TOP, IXP HEADER, WIC > 96	15B017F2	3
-	1	-	1	RISER BLOCK, IDLER WHEEL, MKT-IXP DOOR, ZN	13A245F1	4
1	-	1	-	RISER BLOCK, IDLER WHEEL, MKT-IXP DOOR, S/S	13A245F2	4
-	1	-	1	ASSY, IDLER ROLLER WHEEL, IXP DOORS, ZN	24B075F1	5
1	-	1	-	ASSY, IDLER ROLLER WHEEL, IXP DOORS, S/S	24B075F2	5
-	1	-	1	ASM, END STOP, RH, IXP HEADER, ZN	24B0377RN10	6
1	-	1	-	ASM, END STOP, RH, IXP HEADER, S/S	24B0377RN20	6
-	1	-	1	ASM, END STOP, LH, IXP HEADER, ZN	24B0377LN10	7
1	-	1	-	ASM, END STOP, LH, IXP HEADER, S/S	24B0377LN20	7
-	1	-	1	ROLLER TRUCK ASSY, RH, PWR, S/SLD, IXP DOOR, GV	24B259F1	8
1	-	1	-	ROLLER TRUCK ASSY, RH, PWR, S/SLD, IXP DOOR, S/S	24B259F2	8
-	1	-	1	BRACKET, MOTOR MTG, RH, MKT-IXP DOOR, ZN	13B279F1	9
1	-	1	-	BRACKET, MOTOR MTG, RH, MKT-IXP DOOR, S/S	13B279F2	9
1	1	1	1	NORD SK172.1F-80L/4 MOTOR	23B044	10
-	1	-	1	SPROCKET, DRIVE, ZN	50A122	11
1	-	1	-	SPROCKET, DRIVE, S/S	50A133	11
1	1	1	1	BUSHING, DRIVE, IXP W/ECTI - TB WOODS# JA-3/4	50A129	12
1	1	1	1	BELT, SINGLE-SLIDE, MKT DOOR (WICx2+72")	50A	13
-	2	-	2	SCREW, 3/8-16 X 1.500 SL FHMS, ZN	41A364	14
2	-	2	-	SCREW, 3/8-16 X 1.500 SL FHMS, S/S	41A814	14
-	2	-	2	NUT, 3/8-16. WZLK, ZN	41A216	15
2	-	2	-	NUT, 3/8-16. WZLK, S/S	41A710	15
-	4	-	4	WASHER, LOCK, 1/2, REG SPLIT, ZN	41A119	16
4	-	4	-	WASHER, LOCK, 1/2, REG SPLIT, S/S	41A558	16
-	2	-	2	NUT, 1/2-13, HEX, ZN	41A120	17
2	-	2	-	NUT, 1/2-13, HEX, S/S	41A515	17
-	2	-	2	SCREW, 1/2-13 x 1.00, HHCS, ZN	41A388	18
2	-	2	-	SCREW, 1/2-13 x 1.25, HHCS, S/S	41A478	18
4	4	4	4	SCREW, #10 x .625, PH TRSMS, SS	41A158	19
4	4	4	4	SCREW, #8 x .75, SLDR, HEX	41A542	20
1	1	1	1	GROMMET, .875 ID (FREEZER ONLY)	11A086-B	21
1	1	1	1	JUNCTION BOX, WEATHERPROOF, 2-GANG (FREEZER ONLY)	22A003	22
1	1	1	1	COVER, ELECTRICAL, BLANK, 2-GANG (FREEZER ONLY)	22A004-A	23
2	2	2	2	BUSHING, SNAP (FREEZER ONLY)	22A221	24

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

Power Header Assemblies, RH



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

End Stop Assemblies

Part # 80D029

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM #
-	-	-	1	ASM, HEADER, S\SLD IXP DOOR, LH, PWR, AL & GV, WIC <=96	80D029F1	-
-	-	1	-	ASM, HEADER, S\SLD IXP DOOR, LH, PWR, AL & S/S, WIC <=96	80D029F2	-
-	1	-	-	ASM, HEADER, S\SLD IXP DOOR, LH, PWR, AL & GV, WIC > 96	80D029F3	-
1	-	-	-	ASM, HEADER, S\SLD IXP DOOR, LH, PWR, AL & S/S, WIC > 96	80D029F4	-
-	-					
-	-	-	1	HEADER ASSY, PWR, LH, S-SLD, IXP DOOR, WIC <=96, ZN	24B260F1	1
-	1	-	-	HEADER ASSY, PWR, LH, S-SLD, IXP DOOR, WIC > 96, ZN	24B260F2	1
-	-	1	-	HEADER ASSY, PWR, LH, S-SLD, IXP DOOR, WIC <=96, S/S	24B260F3	1
1	-	-	-	HEADER ASSY, PWR, LH, S-SLD, IXP DOOR, WIC > 96, S/S	24B260F4	1
-	2	-	2	COVER, ALUMINUM HEADER, GV	13A239F1	2
2	-	2	-	COVER, ALUMINUM HEADER, S/S	13A239F2	2
-	-	1	1	BULB / BLADE SEAL, TOP, IXP HEADER, WIC <= 96	15B017F1	3
1	1	-	-	BULB / BLADE SEAL, TOP, IXP HEADER, WIC > 96	15B017F2	3
-	1	-	1	RISER BLOCK, IDLER WHEEL, MKT-IXP DOOR, ZN	13A245F1	4
1	-	1	-	RISER BLOCK, IDLER WHEEL, MKT-IXP DOOR, S/S	13A245F2	4
-	1	-	1	ASSY, IDLER ROLLER WHEEL, IXP DOORS, ZN	24B075F1	5
1	-	1	-	ASSY, IDLER ROLLER WHEEL, IXP DOORS, S/S	24B075F2	5
-	1	-	1	ASM, END STOP, RH, IXP HEADER, ZN	24B0377RN10	6
1	-	1	-	ASM, END STOP, RH, IXP HEADER, S/S	24B0377RN20	6
-	1	-	1	ASM, END STOP, LH, IXP HEADER, ZN	24B0377LN10	7
1	-	1	-	ASM, END STOP, LH, IXP HEADER, S/S	24B0377LN20	7
-	1	-	1	ROLLER TRUCK ASSY, LH, PWR, S/SLD, IXP DOOR, GV	24B055F1	8
1	-	1	-	ROLLER TRUCK ASSY, LH, PWR, S/SLD, IXP DOOR, S/S	24B055F2	8
-	1	-	1	BRACKET, MOTOR MTG, LH, MKT-IXP DOOR, ZN	13B1173F1	9
1	-	1	-	BRACKET, MOTOR MTG, LH, MKT-IXP DOOR, GV	13B1173F2	9
1	1	1	1	NORD SK172.1F-80L/4 MOTOR	23B044	10
-	1	-	1	SPROCKET, DRIVE, ZN	50A122	11
1	-	1	-	SPROCKET, DRIVE, S/S	50A133	11
1	1	1	1	BUSHING, DRIVE, IXP W/ECTI - TB WOODS# JA-3/4	50A129	12
1		1	1	BELT, SINGLE-SLIDE, MKT DOOR	50A135	13
-	2	-	2	SCREW, 3/8-16 X 1.500 SL FHMS, ZN	41A364	14
2	-	2	-	SCREW, 3/8-16 X 1.500 SL FHMS, S/S	41A814	14
-	2	-	2	NUT, 3/8-16. WZLK, ZN	41A216	15
2	-	2	-	NUT, 3/8-16. WZLK, S/S	41A710	15
-	4	-	4	WASHER, LOCK, 1/2, REG SPLIT, ZN	41A119	16
4	-	4	-	WASHER, LOCK, 1/2, REG SPLIT, S/S	41A558	16
-	2	-	2	NUT, 1/2-13, HEX, ZN	41A120	17
2	-	2	-	NUT, 1/2-13, HEX, S/S	41A515	17
-	2	-	2	SCREW, 1/2-13 x 1.00, HHCS, ZN	41A388	18
2	-	2	-	SCREW, 1/2-13 x 1.25, HHCS, S/S	41A478	18
4	4	4	4	SCREW, #10 x .625, PH TRSMS, SS	41A158	19
4	4	4	4	SCREW, #8 x .75, SLDR, HEX	41A542	20
1	1	1	1	GROMMET, .875 ID	11A086-B	21
1	1	1	1	JUNCTION BOX, WEATHERPROOF, 2-GANG	22A003	22
1	1	1	1	COVER, ELECTRICAL, BLANK, 2-GANG	22A004-A	23
2	2	2	2	BUSHING, SNAP, HEYCO #2053	22A221	24

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

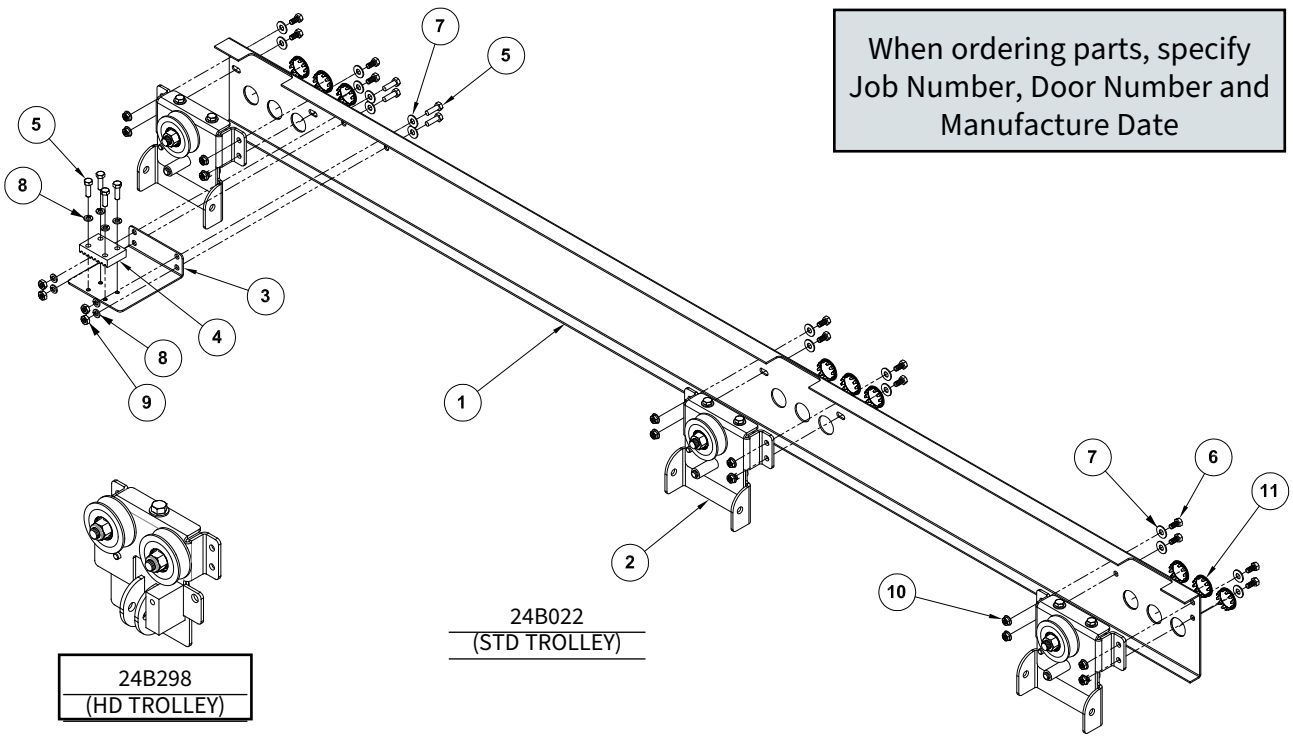
Roller Truck Assemblies, RH

Part # 24B046, Manual, RH
& 24B259, Power, RH

Note:
24B259 (Power RH) shown.
For 24B046 manual RH Asm, item #3, belt bracket, item #4, clamp plate, and related fasteners omitted.

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM
-	-	-	1	ROLLER TRK ASM, RH PWR, S/SLD, IXP, GV	24B259F1	-
-	-	1	-	ROLLER TRK ASM, RH PWR, S/SLD, IXP, S/S	24B259F2	-
-	1	-	-	ROLLER TRK ASM, RH PWR, S/SLD, IXP, HD, GV	24B259F3	-
1	-	-	-	ROLLER TRK ASM, RH PWR, S/SLD, IXP, HD, S/S	24B259F4	-
-	1	-	1	BRACE, TROLLEY, RH, S/SLD, IXP DOOR, GALV	13B1170F1	1
1	-	1	-	BRACE, TROLLEY, RH, S/SLD, IXP DOOR, S/S	13B1170F2	1
-	-	-	3	TROLLEY, IXP DOOR, STD, ZINC	24B022F1	2
-	-	3	-	TROLLEY, IXP DOOR, STD, S/S	24B022F2	2
-	3	-	-	TROLLEY, IXP DOOR, HD, ZINC	24B298F1	2
3	-	-	-	TROLLEY, IXP DOOR, HD, S/S	24B298F2	2
-	1	-	1	BELT BRACKET, RH & LH SLIDES, ZINC	13B1149F1	3
1	-	1	-	BELT BRACKET, RH & LH SLIDES, S/S	13B1149F2	3
1	1	1	1	CLAMP PLATE, 8MM HTD BELT	14A191	4
-	8	-	8	SCREW, 5/16-18 x 1.00, HHCS, ZN	41A061	5
8	-	8	-	SCREW, 5/16-18 x 1.00, HHMS, SS	41A346	5
-	12	-	12	SCREW, 5/16-18 x .625, HHCS, ZN	41A113	6
12	-	12	-	SCREW, 5/16-18 x .625, HHCS, SS	41A611	6
-	16	-	16	WASHER, FLAT, 5/16, STANDARD, ZN	41A126	7
16	-	16	-	WASHER, FLAT, 5/16, STANDARD, SS	41A608	7
-	8	-	8	WASHER,LOCK,5/16,REG.SPLIT ,ZN	41A093	8
8	-	8	-	WASHER,LOCK,5/16,REG.SPLIT ,SS	41A347	8
-	4	-	4	HEX NUT, 5/16-18, ZN	41A092	9
4	-	4	-	HEX NUT, 5/16-18, SS	41A345	9
-	12	-	12	NUT, 5/16 WHIZLOCK, ZN	41A033	10
12	-	12	-	NUT, 5/16 WHIZLOCK, SS	41A712	10
9	9	9	9	HOLE PLUG, 302 S/S, 1-3/8" DIA.	16A115	11

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



24B022
(STD TROLLEY)

24B298
(HD TROLLEY)

REPLACEMENT PARTS

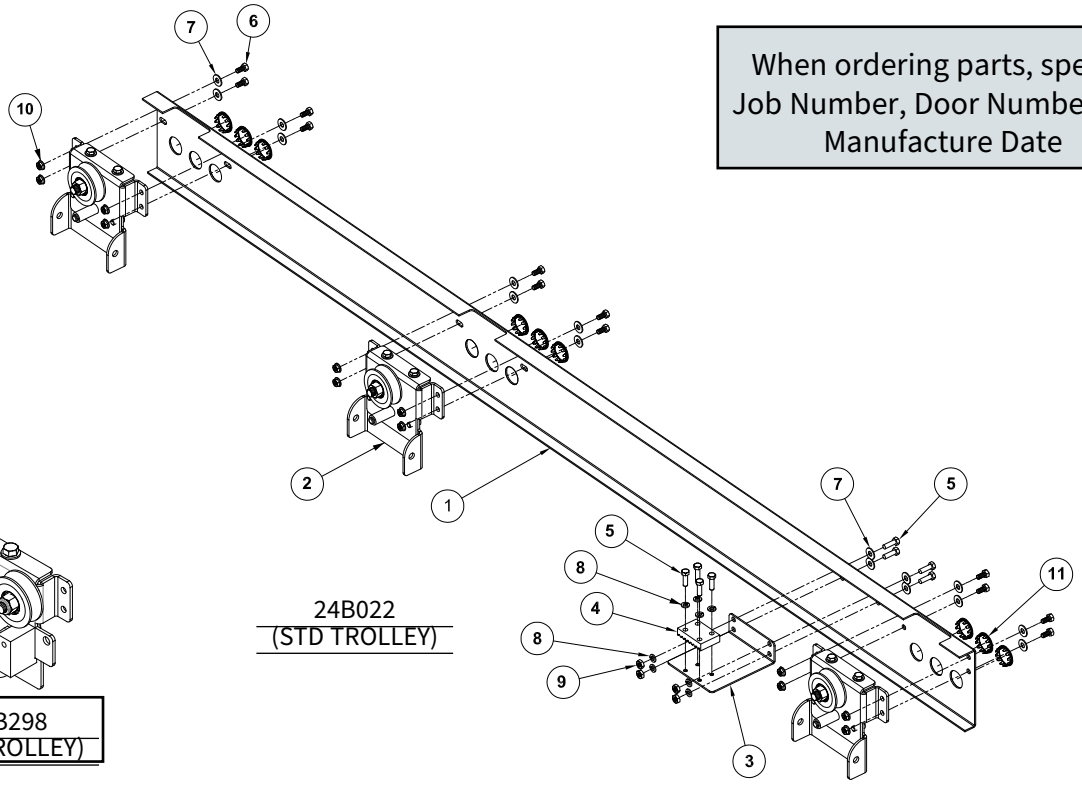
Roller Truck Assemblies, LH

24B047, Manual, LH
& 24B055, Power, LH

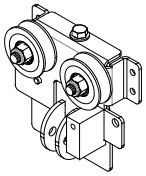
Note:
24B055 (Power LH) shown.
For 24B047 manual LH Asm, item #3, belt bracket, item #4, clamp plate, and related fasteners omitted.

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM
-	-	-	1	ROLLER TRUCK ASM, LH PWR, S/SLD, IXP, GV	24B055F1	-
-	-	1	-	ROLLER TRUCK ASM, LH PWR, S/SLD, IXP, S/S	24B055F2	-
-	1	-	-	ROLLER TRUCK ASM, LH PWR, S/SLD, IXP, HD, GV	24B055F3	-
1	-	-	-	ROLLER TRUCK ASM, LH PWR, S/SLD, IXP, HD, S/S	24B055F4	-
-	1	-	1	BRACE, TROLLEY, LH, S/SLD, IXP DOOR, GALV	13B1175F1	1
1	-	1	-	BRACE, TROLLEY, LH, S/SLD, IXP DOOR, S/S	13B1175F2	1
-	-	-	3	TROLLEY, IXP DOOR, STD, ZINC	24B022F1	2
-	-	3	-	TROLLEY, IXP DOOR, STD, S/S	24B022F2	2
-	3	-	-	TROLLEY, IXP DOOR, HD, ZINC	24B298F1	2
3	-	-	-	TROLLEY, IXP DOOR, HD, S/S	24B298F2	2
-	1	-	1	BELT BRACKET, RH & LH SLIDES, ZINC	13B1149F1	3
1	-	1	-	BELT BRACKET, RH & LH SLIDES, S/S	13B1149F2	3
1	1	1	1	CLAMP PLATE, 8MM HTD BELT	14A191	4
-	8	-	8	SCREW, 5/16-18 x 1.00, HHCS, ZN	41A061	5
8	-	8	-	SCREW, 5/16-18 x 1.00, HHMS, SS	41A346	5
-	12	-	12	SCREW, 5/16-18 x .625, HHCS, ZN	41A113	6
12	-	12	-	SCREW, 5/16-18 x .625, HHCS, SS	41A611	6
-	16	-	16	WASHER, FLAT, 5/16, STANDARD, ZN	41A126	7
16	-	16	-	WASHER, FLAT, 5/16, STANDARD, SS	41A608	7
-	8	-	8	WASHER,LOCK,5/16,REG.SPLIT ,ZN	41A093	8
8	-	8	-	WASHER,LOCK,5/16,REG.SPLIT ,SS	41A347	8
-	4	-	4	HEX NUT, 5/16-18, ZN	41A092	9
4	-	4	-	HEX NUT, 5/16-18, SS	41A345	9
-	12	-	12	NUT, 5/16 WHIZLOCK, ZN	41A033	10
12	-	12	-	NUT, 5/16 WHIZLOCK, SS	41A712	10
9	9	9	9	HOLE PLUG, 302 S/S, 1-3/8" DIA.	16A115	11

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



24B022
(STD TROLLEY)



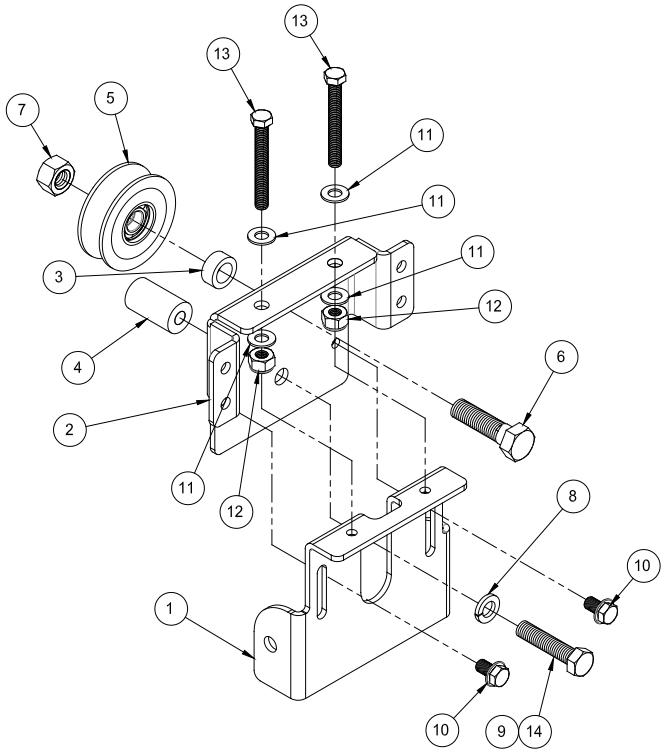
24B298
(HD TROLLEY)

REPLACEMENT PARTS

Trolley, STD Duty

Part # 24B022

F2	F1	DESCRIPTION	PART #	ITEM #
-	1	TROLLEY ASSY, IXP DOOR, ZINC	24B022F1	-
1	-	TROLLEY ASSY, IXP DOOR, S/S	24B022F2	
-	1	HEIGHT ADJUSTMENT BRACKET, ZINC	13B1146F1	1
1	-	HEIGHT ADJUSTMENT BRACKET, S/S	13B1146F2	1
-	1	ROLLER WHEEL BRACKET, ZINC	13B1147F1	2
1	-	ROLLER WHEEL BRACKET, S/S	13B1147F2	2
-	1	SPACER, TROLLEY, 5/8 ID X 1.00 OD	12B028F1	3
1	-	SPACER, TROLLEY, 5/8 ID X 1.00 OD	12B028F2	3
1	1	JUMP BLOCK, IXP DOOR	14B204-A	4
1	1	ROLLER WHEEL	24B076	5
-	1	SCREW, 5/8-11 x 2.25, HHCS, ZN	41A818	6
1	-	SCREW, 5/8-11 x 2.25, HHCS, SS	41A819	6
-	1	NUT, 5/8-11, NYLOCK, HEX, ZN	41A136	7
1	-	NUT, 5/8-11, NYLOCK, HEX, SS	41A803	7
-	1	WASHER, LOCK, 1/2, REG SPLIT, ZN	41A119	8
1	-	WASHER, LOCK, 1/2, REG SPLIT, SS	41A558	8
-	1	SCREW, 1/2-13x 2.25, GR5, HHCS, ZN	41A002	9
1	-	SCREW, 1/2-13x 2.25, HHCS, SS	41A802	9
-	2	SCREW, 3/8-16 X 5/8 WHIZ ZN	41A297	10
2	-	SCREW, 3/8-16 X 5/8 WHIZ SS	41A839	10
4	4	WASHER, FLAT, 3/8, SS	41A203	11
-	2	NUT, 3/8-16, LOCK, NYLON, ZN	41A220	12
2	-	NUT, 3/8-16, LOCK, NYLON, SS	41A770	12
-	2	SCREW, 3/8-16 X 3.00, F/T, HHCS, ZN	41A799	13
2	-	SCREW, 3/8-16 X 3.00, F/T, HHCS, SS	41A800	13
A/R	A/R	LOCTITE, #242 THREADLOCK	10A010	14



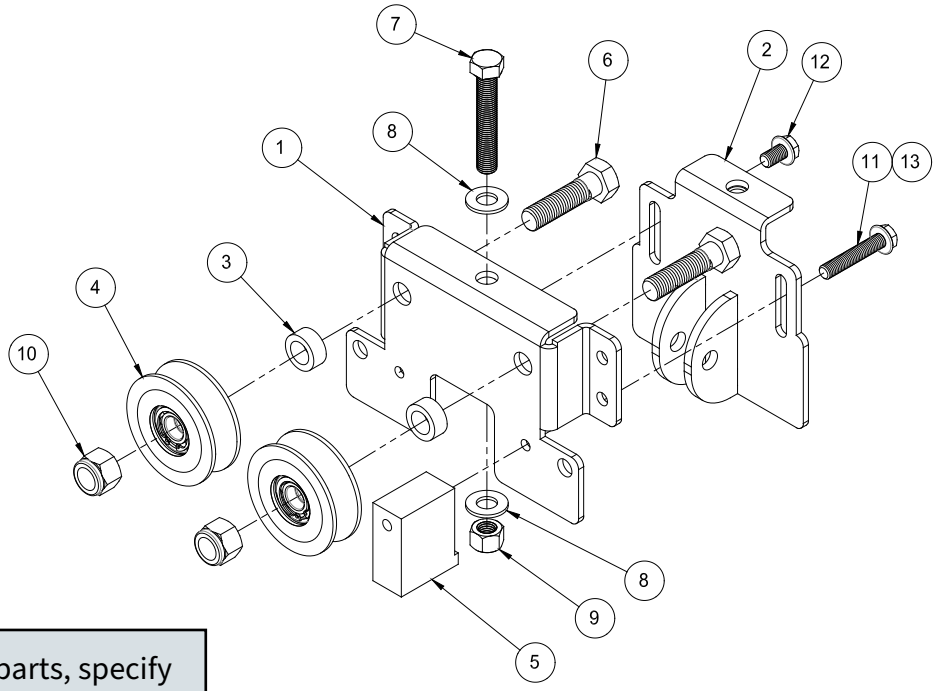
When ordering parts, specify Job Number, Door Number and Manufacture Date

REPLACEMENT PARTS

Trolley, Heavy Duty

Part # 24B298

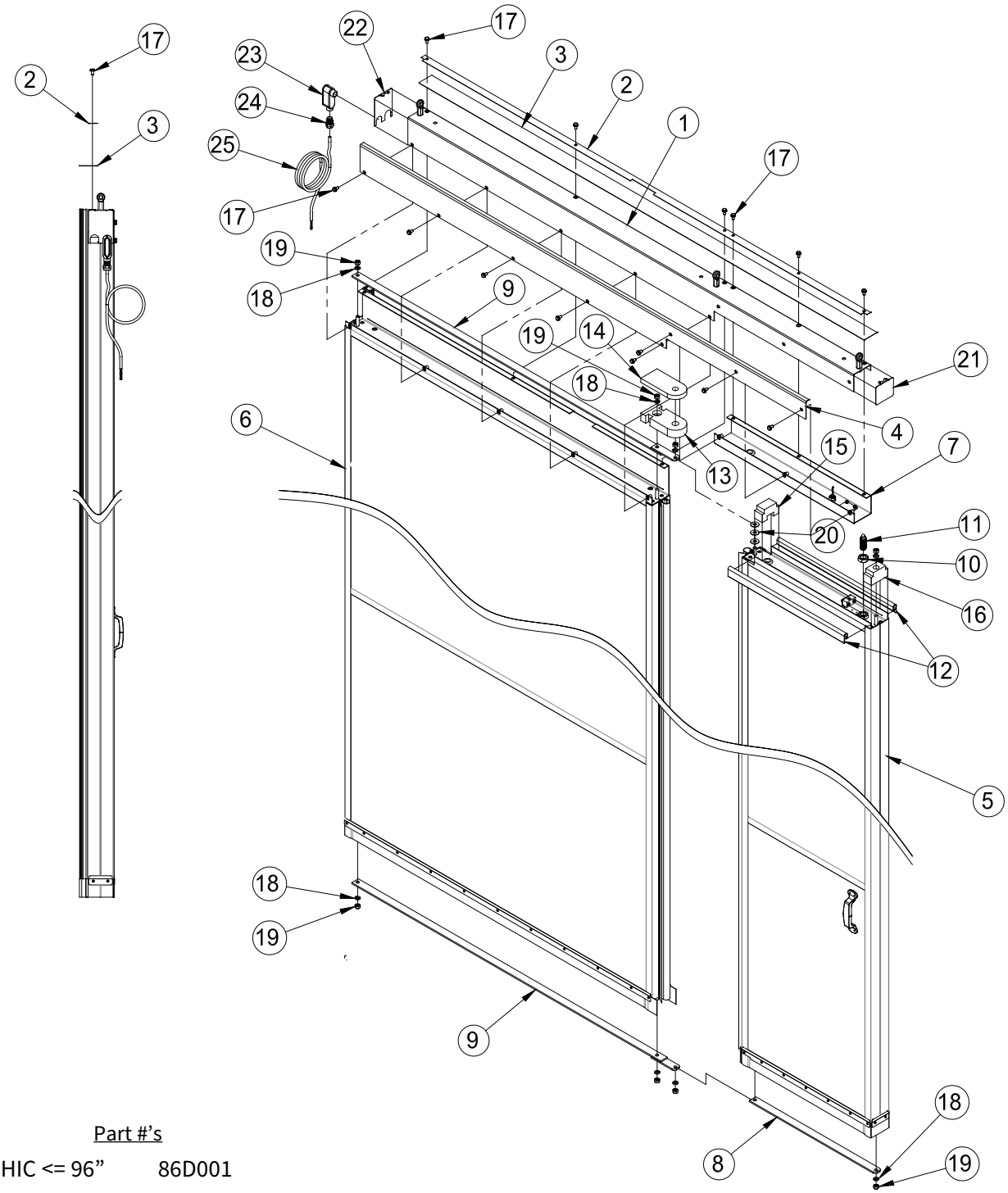
F2	F1	DESCRIPTION	PART #	ITEM #
-	1	TROLLEY ASSEMBLY, HEAVY DUTY, IXP DOOR, ZINC	24B298F1	-
1	-	TROLLEY ASSEMBLY, HEAVY DUTY, IXP DOOR, S/S	24B298F2	-
-	1	HD ROLLER WHEEL BRACKET, IXP DOOR, ZINC	13B1261F1	1
1	-	HD ROLLER WHEEL BRACKET, IXP DOOR, S/S	13B1261F2	1
-	1	WELDMENT, ADJUSTMENT BRACKET, IXP DOOR, ZINC	28B246F1	2
1	-	WELDMENT, ADJUSTMENT BRACKET, IXP DOOR, S/S	28B246F2	2
-	2	SPACER, TROLLEY, 5/8 ID X 1.00 OD, ZN	12B028F1	3
2	-	SPACER, TROLLEY, 5/8 ID X 1.00 OD, S/S	12B028F2	3
2	2	ROLLER WHEEL	24B076-2	4
1	1	JUMP BLOCK, IXP HEAVY DUTY TROLLEY	14B221-B	5
-	2	SCREW, 5/8-11 x 2.25, HHCS, ZN	41A818	6
2	-	SCREW, 5/8-11 x 2.25, HHCS, S/S	41A819	6
-	1	SCREW, 1/2-13 X 3.00, F/T, HHCS, ZN	41A831	7
1	-	SCREW, 1/2-13 X 3.00, F/T, HHCS, S/S	41A832	7
-	2	WASHER, FLAT, 1/2", ZN, 1-1/16" OD	41A201	8
2	-	WASHER, FLAT, 1/2", S/S, 1-1/16" OD	41A213	8
-	1	NUT, 1/2-13 NYLON LOCK, HEX, ZN	41A137	9
1	-	NUT, 1/2-13 NYLON LOCK, HEX, S/S	41A804	9
-	2	NUT, 5/8-11, NYLOCK, HEX, ZN	41A136	10
2	-	NUT, 5/8-11, NYLOCK, HEX, S/S	41A803	10
-	1	SCREW, 3/8-16 X 2.00 WHIZ, ZN	41A837	11
1	-	SCREW, 3/8-16 X 2.00 WHIZ S/S	41A838	11
-	1	SCREW, 3/8-16 X 5/8 WHIZ ZN	41A297	12
1	-	SCREW, 3/8-16 X 5/8 WHIZ S/S	41A839	12
A/R	A/R	LOCTITE, #242 THREADLOCK	10A010	13



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

REPLACEMENT PARTS

Door Panel Assemblies, LH



Part #'s

HIC <= 96"	86D001
HIC >96"< 144"	86D002
HIC > 144"	86D003

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

Door Panel Assembly, LH

F2	F1	DESCRIPTION	PART #	ITEM #
-	-	DOOR ASSY, S\SLD, LH, IXP, GALV	86DXXXF1	-
1	-	DOOR ASSY, S\SLD, LH, IXP, S/S	86DXXXF2	-
	-			
1	1	ASSY, HEADER CHNL, LH, S\SLD, IXP, GALV	24B269F1	1
1	-	ASSY, HEADER CHNL, LH, S\SLD, IXP, S/S	24B269F2	1
-	1	RETAINER, GASKET, TOP, IXP, S/SLD, LH, GALV	13B1415F1	2
1	-	RETAINER, GASKET, TOP, IXP, S/SLD, LH, S/S	13B1415F2	2
1	1	GASKET, 3.00", URETHANE, BLACK, WIC + 7.00"	15A017	3
-	1	PLATE, DBLR, HDR CHNL, LH, S\SLD, IXP, GALV	13B1407F1	4
1	-	PLATE, DBLR, HDR CHNL, LH, S\SLD, IXP, S/S	13B1407F2	4
-	1	ASM, SWING, S\SLD, LH, IXP DOOR, GALV	86DXXXF1	5
1	-	ASM, SWING, S\SLD, LH, IXP DOOR, S/S	86DXXXF2	5
-	1	ASM, FIXED, S\SLD, LH, IXP DOOR, GALV	86DXXXF1	6
1	-	ASM, FIXED, S\SLD, LH, IXP DOOR, S/S	86DXXXF2	6
-	1	ASSY, SWING DOOR CAP, LH, IXP, GALV	24B270F1	7
1	-	ASSY, SWING DOOR CAP, LH, IXP, S/S	24B270F2	7
-	1	PIVOT BAR, SWING PANEL, IXP DOOR, HR	14B179F1	8
1	-	PIVOT BAR, SWING PANEL, IXP DOOR, S/S	14B179F2	8
-	2	WELDMENT, PIVOT BAR, IXP DOOR, HR	28B097F1	9
2	-	WELDMENT, PIVOT BAR, IXP DOOR, S/S	28B097F2	9
-	1	NUT, 1-8 UNC, JAM, HEX, ZN	41A198	10
1	-	NUT, 1-8 UNC, JAM, HEX, SS	41A834	10
1	1	SPRING PLUNGER, 1"-8 UNC	41A797	11
2	2	BULB SEAL, SWING PANEL, IXP DOOR	15A030	12
1	1	PIVOT BLOCK, RADIUS, SWING, BOTTOM, IXP DOOR	11A080	13
1	1	PIVOT BLOCK, RADIUS, SWING, TOP, IXP DOOR	11A081	14
1	1	SEAL BLOCK, CENTER, SWING, IXP DOOR	11A089	15
1	1	SEAL BLOCK, LEAD EDGE, SWING, IXP DOOR	11A091	16
-	14	SCREW, 3/8-16 X 5/8 WHIZ ZN	41A297	17
14	-	SCREW, 3/8-16 X 5/8, WHIZ, SS	41A839	17
-	8	WASHER, LOCK, 1/2, REG SPLIT, ZN	41A119	18
8	-	WASHER, LOCK, 1/2, REG SPLIT, SS	41A558	18
-	8	NUT, 1/2-20, HEX, ZN	41A200	19
8	-	NUT, 1/2-20, HEX, SS	41A813	19
-	3	WASHER, FLAT, 1/2, STANDARD, ZN	41A043	20
3	-	WASHER, FLAT, 1/2, STANDARD, SS	41A516	20
-	1	END CAP, HEADER CHNL, SWING, IXP DOOR, GALV	13A456F1	21
1	-	END CAP, HEADER CHNL, SWING, IXP DOOR, S/S	13A456F2	21
-	1	END CAP, HEADER CHNL, FIXED, LH, IXP DOOR, GALV	13A455F1	22
1	-	END CAP, HEADER CHNL, FIXED, LH, IXP DOOR, S/S	13A455F2	22
1	1	ELEC BOX ASSY, 90° ELBOW, 1/2"	22A280	23
1	1	STRAIN RELIEF, .375" - .438" DIA.	23A006	24
1	1	CABLE, 18GA., 4 CONDUCTOR, 7 AMP, WIC + 36"	22A283	25

Notes:

1) "86D" panel s ub-assy part numbers vary with HIC of door. Consult factory for specific part numbers required for your door.

2) Item # 4 (13B1406) only required on doors with HIC >= 144" HIC.

Part #'s

HIC <= 96	86D001
HIC >96"< 144"	86D002
HIC > 144"	86D003

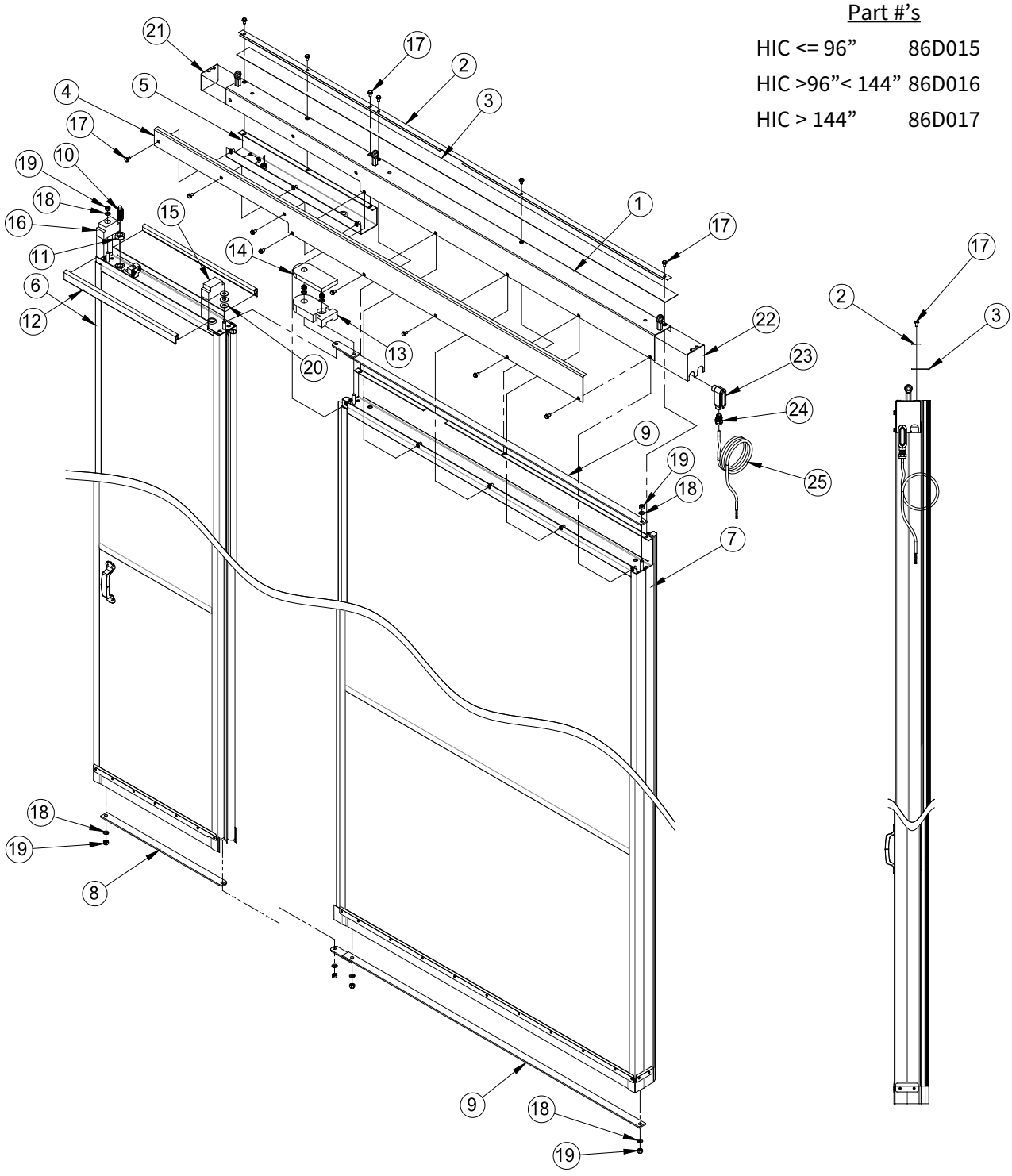
When ordering parts, specify Job Number, Door Number and Manufacture Date

REPLACEMENT PARTS

Door Panel Assembly, RH

Part #'s

HIC <= 96"	86D015
HIC >96"< 144"	86D016
HIC > 144"	86D017



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

Door Panel Assembly, RH

F2	F1	DESCRIPTION	PART #	ITEM #
-	1	DOOR ASSY, S\SLD, RH, IXP, GV	86DXXXF1	-
1	-	DOOR ASSY, S\SLD, RH, IXP, S/S	86DXXXF2	-
-	1	ASSY, HEADER CHNL, RH, S\SLD, IXP, GV	24B263F1	1
1	-	ASSY, HEADER CHNL, RH, S\SLD, IXP, S/S	24B263F2	1
1	1	RETAINER, GASKET, TOP, IXP, S/SLD, RH	13B1414	2
1	1	GASKET, 3.00", URETHANE, BLACK	15A017	3
-	1	PLATE, DBLR, HDR CHNL, RH, S\SLD, IXP, GV	13B1406F1	4
1	-	PLATE, DBLR, HDR CHNL, RH, S\SLD, IXP, S/S	13B1406F2	4
-	1	ASSY, SWING DOOR CAP, RH, IXP DOOR, GV	24B265F1	5
1	-	ASSY, SWING DOOR CAP, RH, IXP DOOR, S/S	24B265F2	5
-	1	ASM, SWING, H>96, S\SLD, RH, IXP DOOR, GV	86DXXXF1	6
1	-	ASM, SWING, H>96, S\SLD, RH, IXP DOOR, S/S	86DXXXF2	6
-	1	ASM, FIXED, H>144, S\SLD, RH, IXP DOOR, GV	86DXXXF1	7
1	-	ASM, FIXED, H>144, S\SLD, RH, IXP DOOR, S/S	86DXXXF2	7
-	1	PIVOT BAR, SWING PANEL, IXP DOOR, HR	14B179F1	8
1	-	PIVOT BAR, SWING PANEL, IXP DOOR, S/S	14B179F2	8
-	2	WELDMENT, PIVOT BAR, IXP DOOR, HR	28B097F1	9
2	-	WELDMENT, PIVOT BAR, IXP DOOR, S/S	28B097F2	9
1	1	SPRING PLUNGER, 1"-8 UNC	41A797	10
-	1	NUT, 1-8 UNC, JAM, HEX, ZN	41A198	11
1	-	NUT, 1-8 UNC, JAM, HEX, S/S	41A834	11
2	2	BULB SEAL, SWING PANEL, IXP DOOR	15A030	12
1	1	PIVOT BLOCK, RADIUS, SWING, BOTTOM, IXP DOOR	11A080	13
1	1	PIVOT BLOCK, RADIUS, SWING, TOP, IXP DOOR	11A081	14
1	1	SEAL BLOCK, CENTER, SWING, IXP DOOR	11A089	15
1	1	SEAL BLOCK, LEAD EDGE, SWING, IXP DOOR	11A091	16
-	14	SCREW, 3/8-16 X 5/8 WHIZ ZN	41A297	17
14	-	SCREW, 3/8-16 X 5/8 WHIZ S/S	41A839	17
-	8	WASHER, LOCK, 1/2, REG SPLIT, ZN	41A119	18
8	-	WASHER, LOCK, 1/2, REG SPLIT, S/S	41A558	18
-	8	NUT, 1/2-20, HEX, ZN	41A200	19
8	-	NUT, 1/2-20, HEX, S/S	41A813	19
-	3	WASHER, FLAT, 1/2, STANDARD, ZN	41A043	20
3	-	WASHER, FLAT, 1/2, STANDARD, S/S	41A516	20
-	1	END CAP, HEADER CHNL, SWING, IXP DOOR, ZN	13A456F1	21
1	-	END CAP, HEADER CHNL, SWING, IXP DOOR, S/S	13A456F2	21
-	1	END CAP, HEADER CHNL, FIXED, RH, IXP DOOR, ZN	13A457F1	22
1	-	END CAP, HEADER CHNL, FIXED, RH, IXP DOOR, S/S	13A457F2	22
1	1	ELEC BOX ASSY, 90° ELBOW, 1/2"	22A280	23
1	1	STRAIN RELIEF, .375" - .438" DIA.	23A006	24
1	1	CABLE, 18GA., 4 CONDUCTOR, 7 AMP	22A283	25

Notes:

1) "86D" panel sub-assy part numbers vary with HIC of door. Consult factory for specific part numbers required for your door.

2) Item # 4 (13B1406) only required on doors with HIC >= 144" HIC.

Part #'s

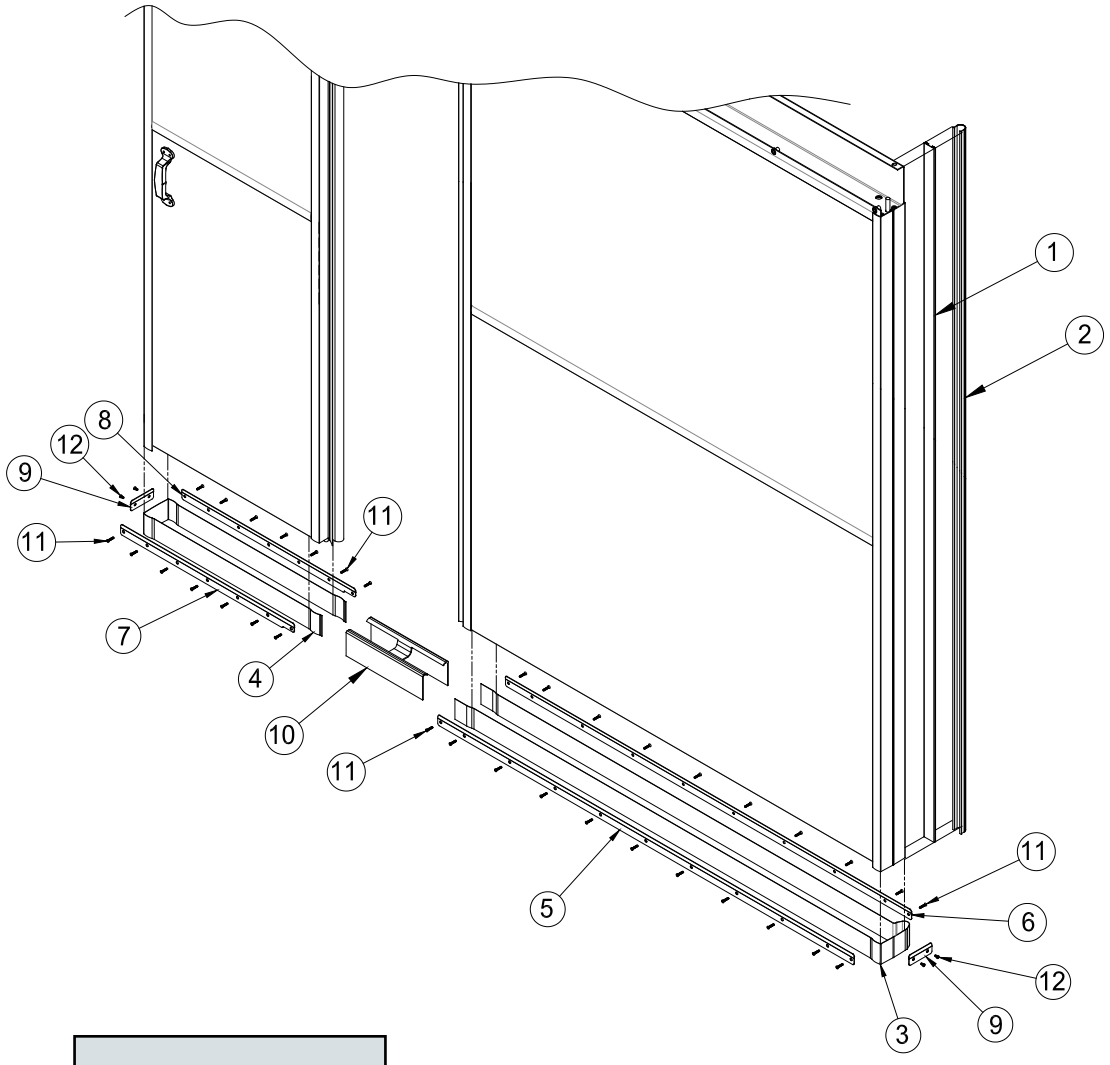
HIC <= 96"	86D015
HIC >96"< 144"	86D016
HIC > 144"	86D017

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

REPLACEMENT PARTS

Door Panel Gaskets

QTY	DESCRIPTION	PART #	ITEM #
1	RETAINER, "T"-STYLE BULB SEAL, HIC + 1.5"	15A124	1
1	BULB SEAL, "T"-STYLE, 3", HIC + 2.75"	15A125	2
1	GASKET, 3.00", URETHANE, BLACK, (WIC*2)-41.50"	15A017	3
1	GASKET, 3.00", URETHANE, BLACK, 66"	15A017	4
1	RTNR, GASKET, FIXED, BOTTOM, FRONT, IXP, S/SLD	13B1425	5
1	RTNR, GASKET, FIXED, BOTTOM, BACK, IXP, S/SLD	13B1431	6
1	RETAINER, GASKET, 30" SWING, BOTTOM, RH, IXP, S/SLD	13B1424	7
1	RETAINER, GASKET, 30" SWING, BOTTOM, LH, IXP, S/SLD	13B1430	8
2	RETAINER, GASKET, END, BOTTOM, IXP DOORS	13B1427	9
1	SEAL, PIVOT BOTTOM, IXP DOOR	15B025	10
35	SCREW, #10-24 x 1.00, PH FHMS, SS	41A199	11
4	SCREW, #10-24 x .50, PH FHMS, SS	41A141	12

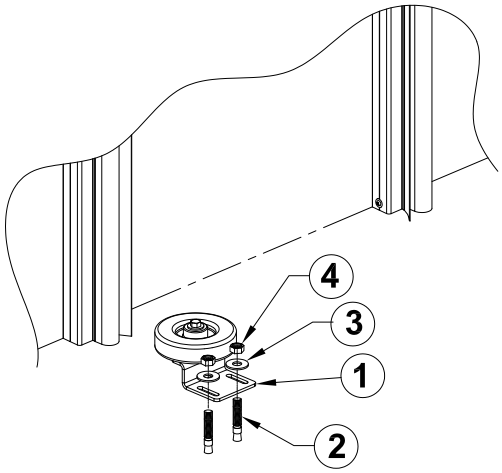


NOTE

Note: Gasket part numbers apply to RH & LH panel assemblies.

Floor Hardware

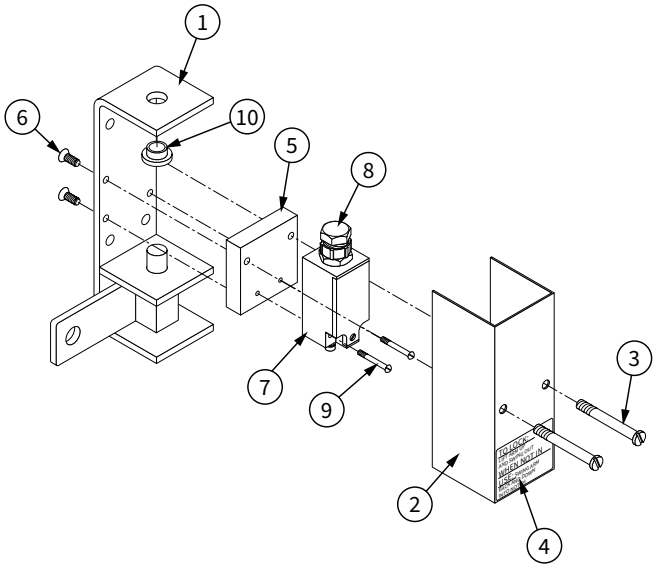
QTY	DESCRIPTION	PART #	ITEM #
1	ASSY, ROLLER GUIDE, LEAD EDGE, IXP DOOR	24B274	1
2	ANCHOR, MASONRY, 3/8 X 2.25, HH	41A547	2
3	WASHER, FLAT, 3/8, STANDARD, ZN	41A063	2
4	NUT, 3/8-16, HEX, ZN	41A039	2



PADLOCK HASP ASSEMBLY

24C042F1, Manual, RH
24C042F2, Manual, LH
24C042F3, Power, RH w/ Cutout Assembly
24C042F4, Power, LH w/ Electric Cutout Assembly

DESCRIPTION	PART #	ITEM #
ASSEMBLY, PADLOCK HASP & SWING ARM, RH	24C041F1	1
ASSEMBLY, PADLOCK HASP & SWING ARM, LH	24C041F2	-
SHROUD	13B110	2
SCREW, #8–32 × 2", SL, PHMS	41A518	3
LABEL, PADLOCK HASP BODY	41A518	4
MOUNTING BLOCK, LIMIT SWITCH	13A076	5
SCREW, #8–32 × 1/2", SL, FHMS	41A519	6
THE FOLLOWING ARE ON POWER OPERATED MODELS ONLY		
CUTOUT SWITCH	23A018	7
CORD GRIP	23A018	8
SCREW, #8–32 × 1", SL, RHMS	41A517	9
GROMMET, #Z–3190	22A037	10

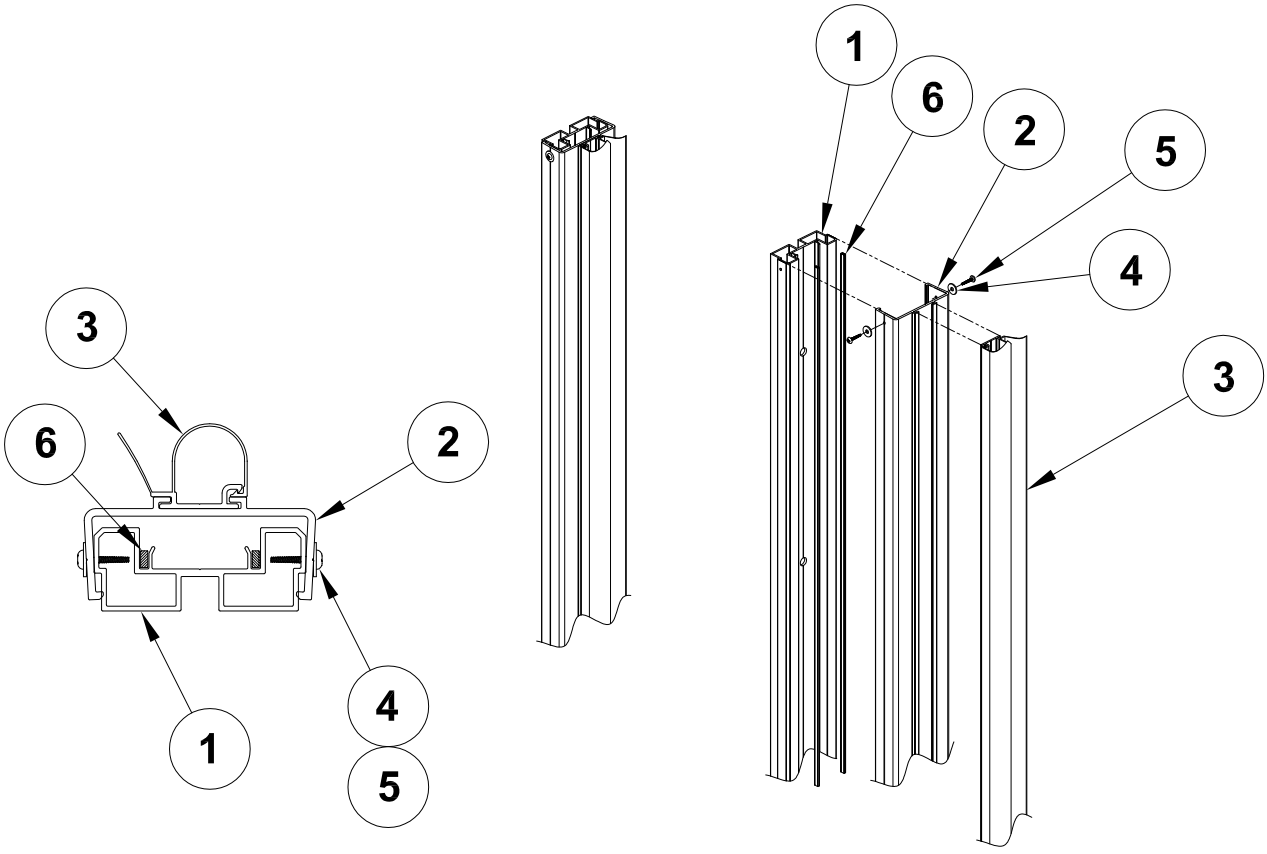


When ordering parts, specify Job Number, Door Number and Manufacture Date

Face Frame Assembly & Gasket

76B001F1, Face-Frame, IXP Door, <=96” HIC
76B001F2, Face-Frame, IXP Door, >96”<=120” HIC
76B001F3, Face-Frame, IXP Door, >120”<=144” HIC
76B001F4, Face-Frame, IXP Door, >144” HIC

QTY	DESCRIPTION	PART #	ITEM #
-	ASSY, FACE FRAME, IXP DOOR	76B001	-
1	EXTRUSION, FACE FRAME, MACHINED, IXP DOOR	14B090	1
2	EXTRUSION, FACE FRAME, CUT, IXP DOOR	14B187	1
3	BULB / BLADE SEAL, FACE FRAME	15B016	1
4	WASHER, FLAT STD, #10, ZN	41A080	AS REQ
5	SCREW, #10 x .75, PH TRSMS, SS	41A232	AS REQ
6	HEAT TAPE (Freezer Only)	22A260	AS REQ



NOTE

Note:Item # 4 & 5 Not provided.

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

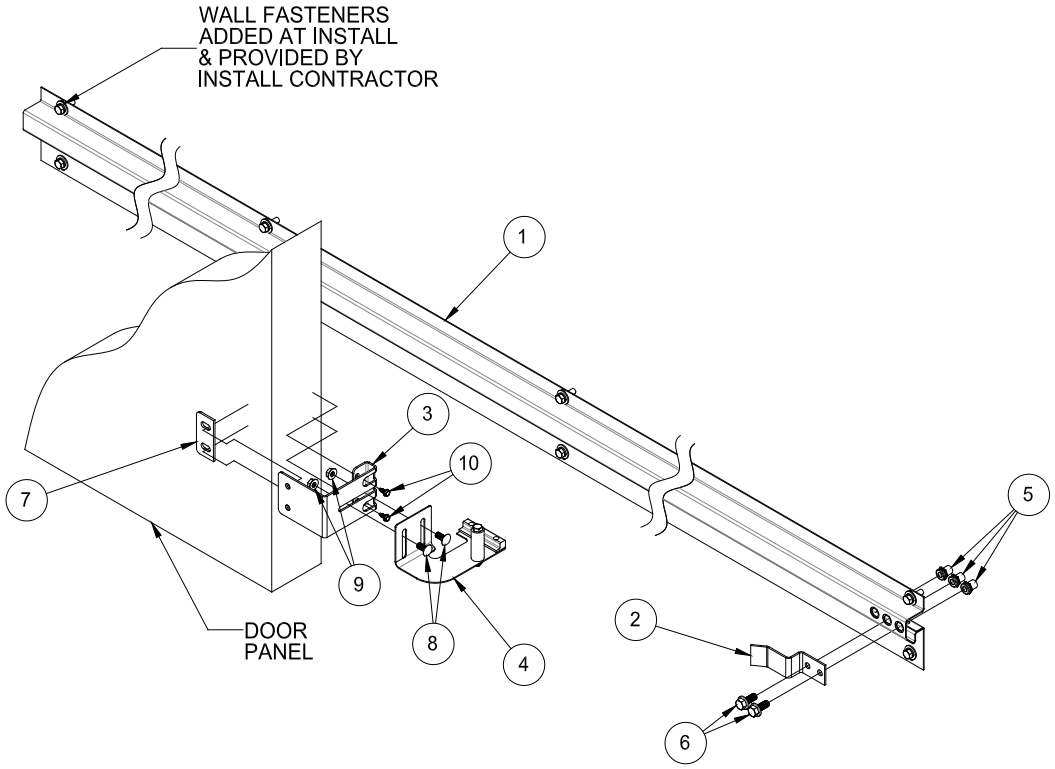
REPLACEMENT PARTS

Wall Track Assemby

F4	F3	F2	F1	DESCRIPTION	PART #	ITEM
-	-	-	1	ASM, WALL TRACK, S/SLD, XP DOORS, GALVANIZED, RH	24B356F1	
-	-	1	-	ASM, WALL TRACK, S/SLD, XP DOORS, STAINLESS, RH	24B356F2	
-	1	-	-	ASM, WALL TRACK, S/SLD, XP DOORS, GALVANIZED, LH	24B356F3	
1	-	-	-	ASM, WALL TRACK, S/SLD, XP DOORS, STAINLESS, LH	24B356F4	
-	-	-	1	WLDMT, WALL TRACK S/SLD, XP DOORS, RH, GALV	28B251F1	
-	-	1	-	WLDMT, WALL TRACK S/SLD, XP DOORS, RH, S/S	28B251F2	
-	1	-	-	WLDMT, WALL TRACK S/SLD, XP DOORS, LH, GALV	28B251F3	
1	-	-	-	WLDMT, WALL TRACK S/SLD, XP DOORS, LH, S/S	28B251F4	
1	1	1	1	*BRACKET, DOOR RETURN, S/S	13B911	
-	1	-	1	BRKT, XP WALL TRACK, DOOR MOUNT, ZN	13B1399F1	
1	-	1	-	BRKT, XP WALL TRACK, DOOR MOUNT, SS	13B1399F2	
-	-	1	1	* ASSY, DETENT BRACKET W/GUIDE BLOCK, RH	24B170F1	
1	1	-	-	* ASSY, DETENT BRACKET W/GUIDE BLOCK, LH	24B170F2	
4	4	4	4	INSERT, HEX, 3/8-16, GRIP RANGE .027-.150	41A788	
2	2	2	2	*SCREW, 3/8 X 1.00 HEX HEAD, WHIZLOCK, SS	41A793	
2	2	2	2	*BOL T,5/16-18 X .75 CARRIAGE, SS	41A344	
2	2	2	2	*NU T,5/16 WHIZLOCK, SS	41A712	
-	4	-	4	SCREW, 1/4-20 x .750, SL PHMS, ZN	41A489	
4	-	4	-	SCREW, 1/4-20 x 1.00, PH PHMS, S/S	41A250	
1	1	1	1	SHIM, XP WALL TRACK, DOOR MOUNT	11A175-A	

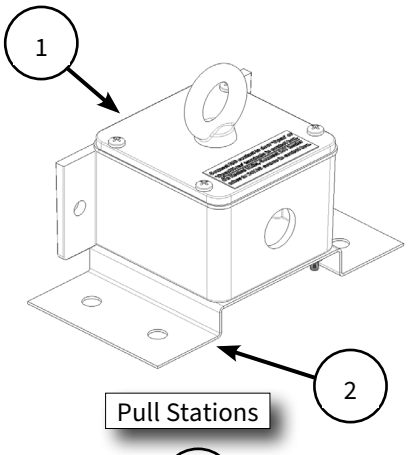
NOTE

Note: * Indicated items are shipped in loose parts box.



REPLACEMENT PARTS

Miscellaneous Options



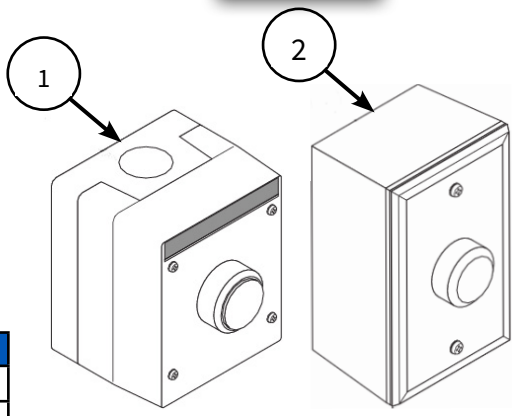
Pull Stations

Pull Station Options

DESCRIPTION	PART #	ITEM #
ASM, PULL SWITCH, CEILING, UNHEATED	24B102F1	1
ASM, PULL SWITCH, CEILING, HEATED	24B102F2	-

Push Button Options

DESCRIPTION	PART #	ITEM #
PUSH BUTTON STATION, UN-HEATED	24B029F1	1
PUSH BUTTON STATION, HEATED	24B029F2	2



Push Buttons

Motion Detector Options

DESCRIPTION	PART #	ITEM #
AUTO MICROWAVE DETECTOR	23A158	-
BRACKET	13B335	-
INSTALLATION GUIDE	17C177	-

Radio Control System Options

DESCRIPTION	PART #	ITEM #
TRANSMITTER, RADIO CONTROL	23A183	-
RECEIVER, RADIO CONTROL	23A184	-

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

Loop Detector Options

DESCRIPTION	PART #	ITEM #
LOOP DETECTOR, 24 VAC 416A-7	23A019	-
WIRE, 14 GA., BLACK, 7 STRAND #XHHW	22A085	-
EMBEDDING SEALER	23A160	-
LOOP DETECTOR INSTALLATION GUIDE	17C174	-

Photoeye Options

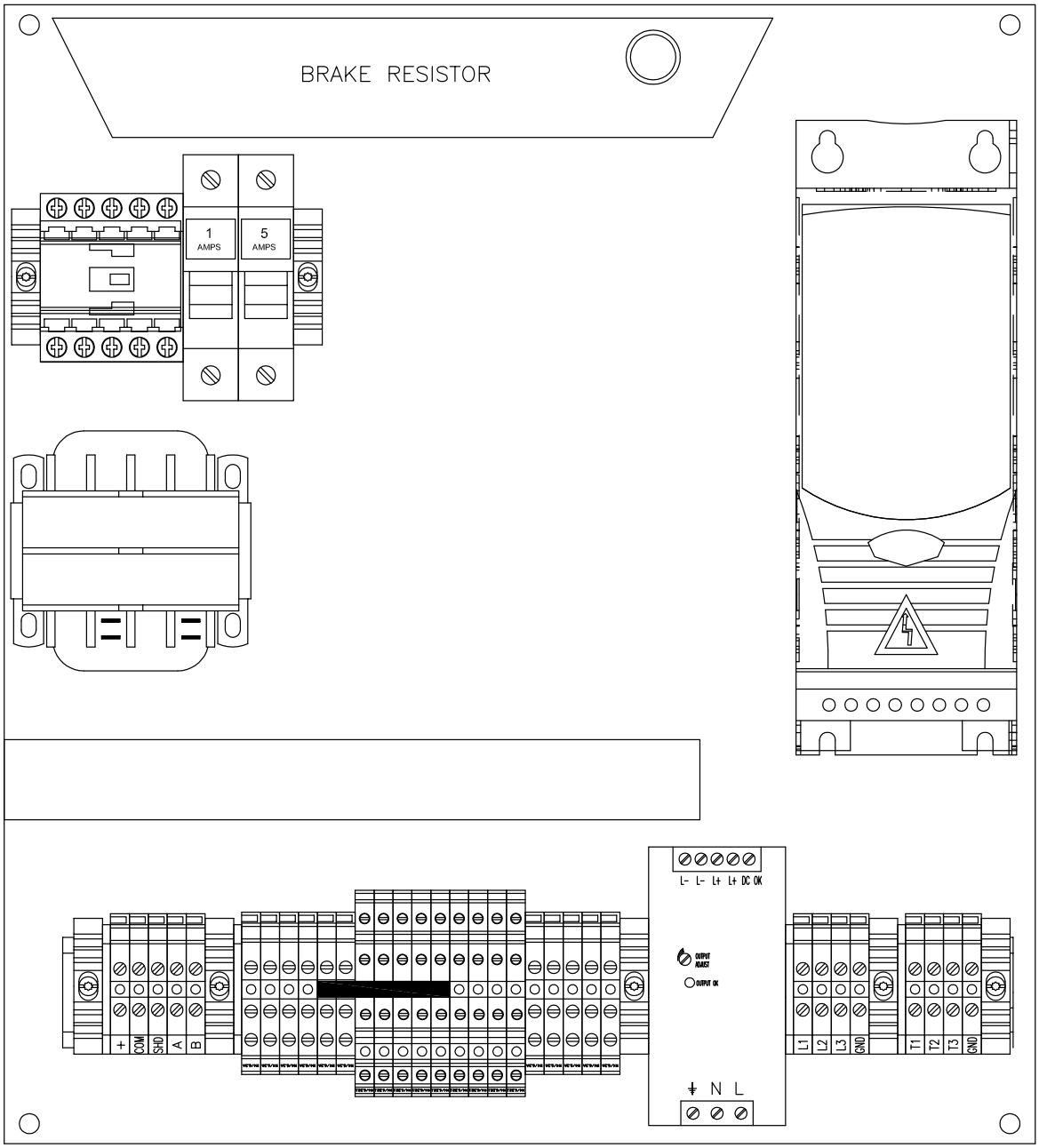
DESCRIPTION	PART #	ITEM #
PHOTOEYE, “915” BANNER TRANSMITTER	22B020	-
REFLECTOR, AMBER, 2" × 4" OVAL	22A078	-
PHOTOEYE, EMITTER, BANNER	22B006	-
PANTRON PHOTOEYE RECEIVER W/5 METER CABLE	23B046	-
MOUNTING BRACKET, PHOTOEYE	22B023	-
PANTRON PHOTOEYE AMPLIFIER	23A226	
INSTALLATION GUIDE	17C175	-
PANTRON PHOTOEYE RECEIVER W/15 METER CABLE	23B046-2	
PANTRON PHOTOEYE TRANSMITTER W/35 METER CABLE	23B047-1	
PANTRON PHOTOEYE TRANSMITTER W/35 METER CABLE	23B047-2	

Control Panel

Part # 18D271 - 208/230V
18D272 - 460V

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

DESCRIPTION	PART #	ITEM #
DRIVE, VARIABLE FREQUENCY, 230V	23B102	1
DRIVE, VARIABLE FREQUENCY, 460V	23B103	1
BRAKE RESISTOR, 230V	23B104	2
BRAKE RESISTOR, 460V	23B105	2
CONTROLLER, W/DISPLAY (NOT SHOWN)	23B101	3
TRANSFORMER, 100VA	23B107	4
CONTACTOR, 3-PHASE	23B108	5
POWER SUPPLY, 24VDC	23B109	6
OVERLOAD, THERMAL	23B110	7
CABLE, MOD-BUS (NOT SHOWN)	22A279	8



REPLACEMENT PARTS

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