



Model GT1175 All Glass Slide Door Installation Manual

with U30 Control

P/N C-00361 Rev 8-26-19

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Associated Manuals Part Numbers: U30 Microprocessor Control Setup and Programming Manual P/N C-00203 Model
GT1175 Electrical Installation Manual **with U30 Microprocessor Control** P/N C-00198
Automatic Sliding Door Owners Manual (P/N C-00109) for Decal Installation

WARNING

- Turn OFF all power to the Automatic Door if a Safety System is not working.
• Instruct the Owner to keep all power turned OFF until corrective action can be achieved by a NABCO trained technician. Failure to follow these practices may result in serious consequences.
• NEVER leave a Door operating without all Safety detection systems operational.

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CHAPTER 1: WARNING LABELS

Warning labels are universal and used to alert an individual of potential harm to one's self or to others. The following warning labels are listed in a hierarchy order that defines the most potential danger first, and the least potential danger last. Please refer to this page in the event that a warning label is displayed within this manual and further definition needs to be explained.

DANGER

Indicates potentially dangerous situations. Danger is used when there is a hazardous situation where there is a *high* probability of severe injury or death. It should not be considered for property damage unless personal injury risk is present.

WARNING

Indicates a hazardous situation which has *some* probability of severe injury. It should not be considered for property damage unless personal injury risk is present.

CAUTION

Indicates a hazardous situation which *may result in a minor injury*. Caution should not be used when there is a possibility of serious injury. Caution should not be considered for property damage accidents unless a personal injury risk is present.

Attention: A situation where material could be damaged or the function impaired.

Notice: Indicates a statement of company policy as the message relates to the personal safety or protection of property. Notice should not be used when there is a hazardous situation or personal risk.

Note: Indicates important information that provides further instruction.

CHAPTER 2: GENERAL SAFETY RECOMMENDATIONS

WARNING

Do not install, operate or service this product unless you have read and understand the General Safety Recommendations, Warning Labels, contained in this manual. Failure to do so may result in bodily injury, or property damage.

WARNING

Read, study and understand the installation and operating instructions contained in, or referenced in this manual before operating. If you do not understand the instruction, ask a qualified technician. Failure to do so may result in bodily injury, or property damage and will nullify all warranties.

DANGER

Disconnect all power to the junction box prior to making any electrical connections. Failure to do so may result in serious personal or fatal injury. When uncertain whether power supply is disconnected, always verify using a voltmeter.

DANGER

Do not place finger or uninsulated tools inside the electrical controller. Touching wires or other parts inside the enclosure may cause electrical shock, serious injury or death.

CAUTION

The Ground wire from the U30 Control 120 VAC Harness, and the Incoming 120 VAC Ground wire must be connected to the Ground screw located within the Swing door Header.

CAUTION

If the door appears broken or does not seem to work correctly, it should be immediately removed from service until repairs can be carried out or a qualified service technician is contacted for corrective action.

Notice: This manual, the owner's manual and all other associated manuals must be given to and retained by the purchasing facility or end user.

Notice: Wiring must meet all local, state, federal or other governing agency codes.

Notice: All electrical troubleshooting or service must be performed by qualified electrical technicians and must comply with all applicable governing agency codes.

CHAPTER 3: SCOPE

SECTION 3.1: To the Installer

The purpose of this manual is to familiarize the installer and purchaser with the proper installation and operation of this system. It is essential that this equipment be properly installed and operational before the door is used by the public. It is the installer's responsibility to inspect the operation of the entrance system to be sure it complies with any applicable standards. In the United States, ANSI Standard 156.10 covers the GT-1175 All Glass Slide Door System and ANSI Standard Z97.1 covers Glass Installation. Other local standards or codes may apply. Use them in addition to the ANSI standard. The GT-1175 All Glass Slide Door System is listed with the Underwriters Laboratory and is identified as such on the label.

Instruct the building owners and operator on the essentials of the operation of the door and this device. The owner should follow these instructions to determine whether the door is operating properly and should immediately call for service if there is any malfunction. All installation changes and adjustments must be made by qualified, NABCO trained technicians.

SECTION 3.2: Objective

The GT-1175 Standard Slide Door system is designed to be installed within a Rough Opening of a Building. The door function is controlled by the U30 Microprocessor Control. This control offers many features to accommodate most installation options. This manual offers step by step instructions.

CAUTION

A pedestrian Door that does not have its glass sections installed at the Factory shall specify that the glazing material employed is to comply with the requirement in UL 325 par.30.5.1:

“The glazing material in both fixed and sliding panels of all sliding doors and in all unframed swinging doors shall comply with the requirements in the Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings, ANSI Z97.1. Glazing material for other pedestrian doors shall also comply with ANSI Z97.1, except that single strength or heavier glass may be used for those portions of doors involving a glazed area of less than 1ft² (0.9 m²) and having no dimension greater than 18 in (457 mm)”.

CHAPTER 4: GETTING STARTED

SECTION 4.1: Types of Units

- ▶ Mechanical Configurations:
 - Single Slide: (1) Slide Door that slides to the right or left with (1) Sidelite Panel.
 - Bi-Part: (2) Slide Doors that slide apart from the center with (2) Sidelite Panels.
- ▶ Emergency Egress:
 - Fixed Sidelite: Secured to the Header and Jamb Tube. Only the Slide door breaks out for emergency egress.

SECTION 4.2: Header Configuration

Components within the Header are laid out in (1 of 3) different configurations to ensure proper operation of the Drive Belt. However, no matter the configuration, the Power Supply must never be installed between the U30 Microprocessor Control and the Operator. Please see details listed below:

- ▶ Operator/Control/Power: Header Width is not wide. Operator needs to be installed to the left of the U30 Control.

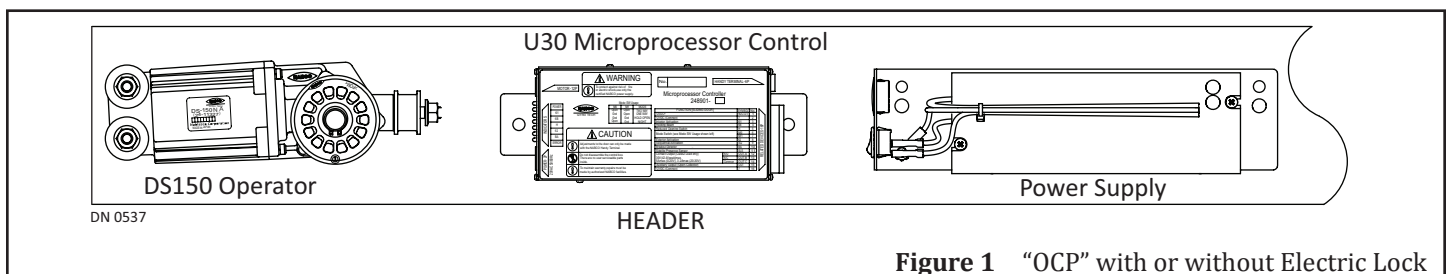


Figure 1 “OCP” with or without Electric Lock

- ▶ Power/Operator/Control: Header Width is wide, but Operator still needs to be installed between the Power Supply and the U30 Control.

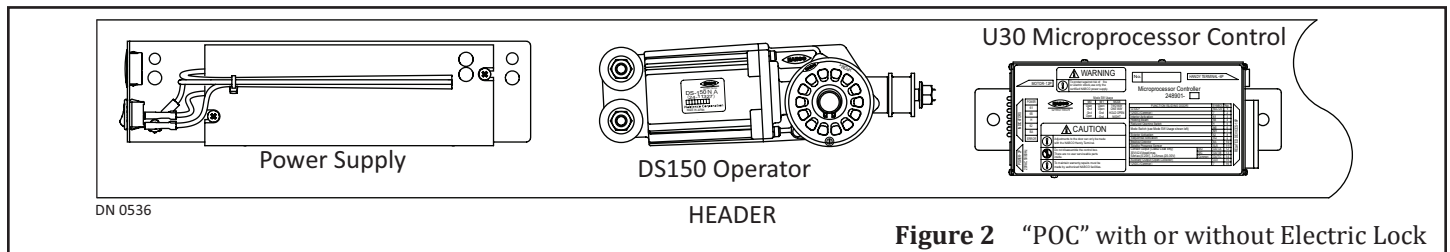


Figure 2 "POC" with or without Electric Lock

- ▶ Power/Control/Operator: Header Width is wider. Operator can be installed to the right of the Power Supply and the U30 Control.

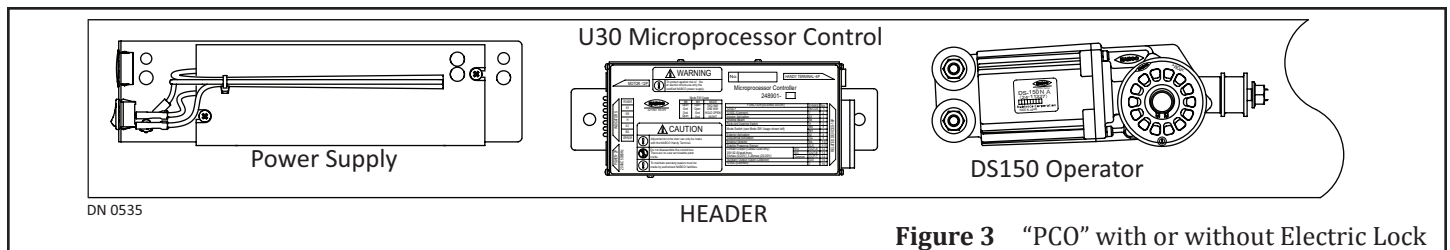
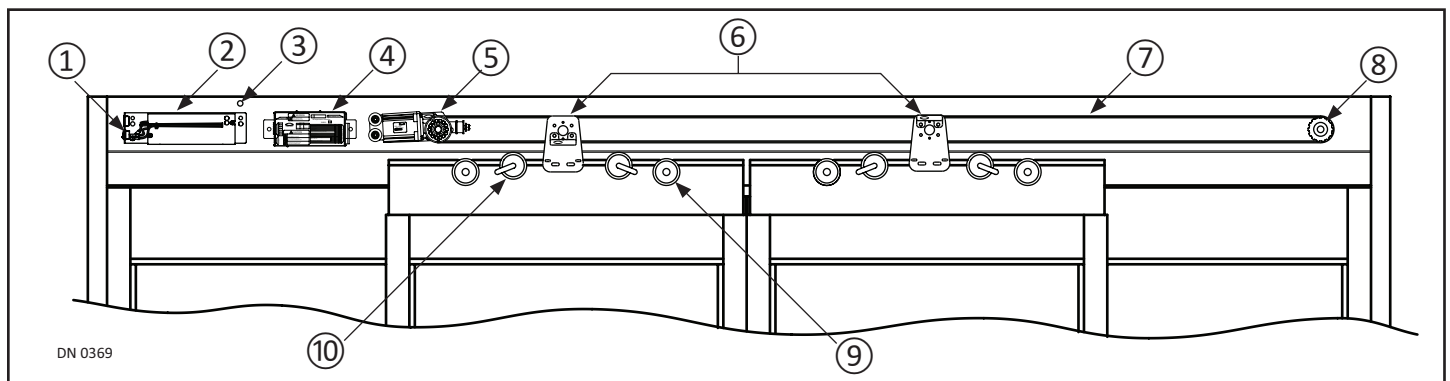


Figure 3 "PCO" with or without Electric Lock

SECTION 4.3: Header Components



1	Power Cut Off Switch	6	Belt Clip Assembly
2	DS 150/U30 Power Supply	7	Timing Belt 3/4" wide
3	Handy Terminal Harness	8	Idler Assembly
4	U30 Microprocessor Control	9	Anti Rise Roller
5	DS 150 Operator	10	Hanger Roller

SECTION 4.4: Remove the Header Cover

1. Remove (2) 8-32x0.625L Flat head screws. Remove Header Cover by lifting it up and then pulling it out.
2. Unplug the Sensor (if equipped). Remove Parts boxes and/or Parts bags from inside Header.

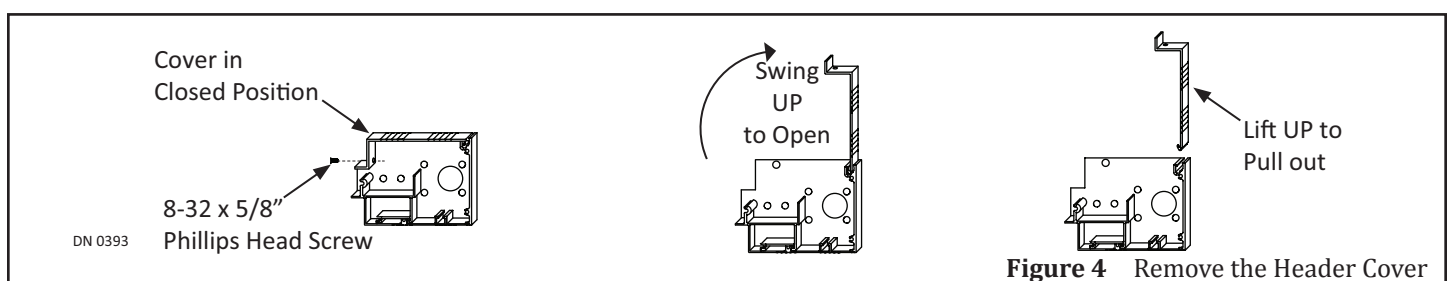


Figure 4 Remove the Header Cover

CHAPTER 5: INSPECT THE ROUGH OPENING

1. Ensure the Rough Opening is correct size.
 - ▶ The width of the Rough Opening should equal: **PACKAGE WIDTH + 1/2 INCH (1/4 INCH ON EACH SIDE OF DOOR FRAME)**
 - ▶ The height of the Rough Opening should equal: **PACKAGE HEIGHT + 1/4 INCH**

Note: Make allowances for tile or other existing materials that may change the floor height.

2. Ensure the floor is level across the door opening.
3. If installing a recessed threshold, ensure the dugout is 1/2 inch deep and level across the door opening.

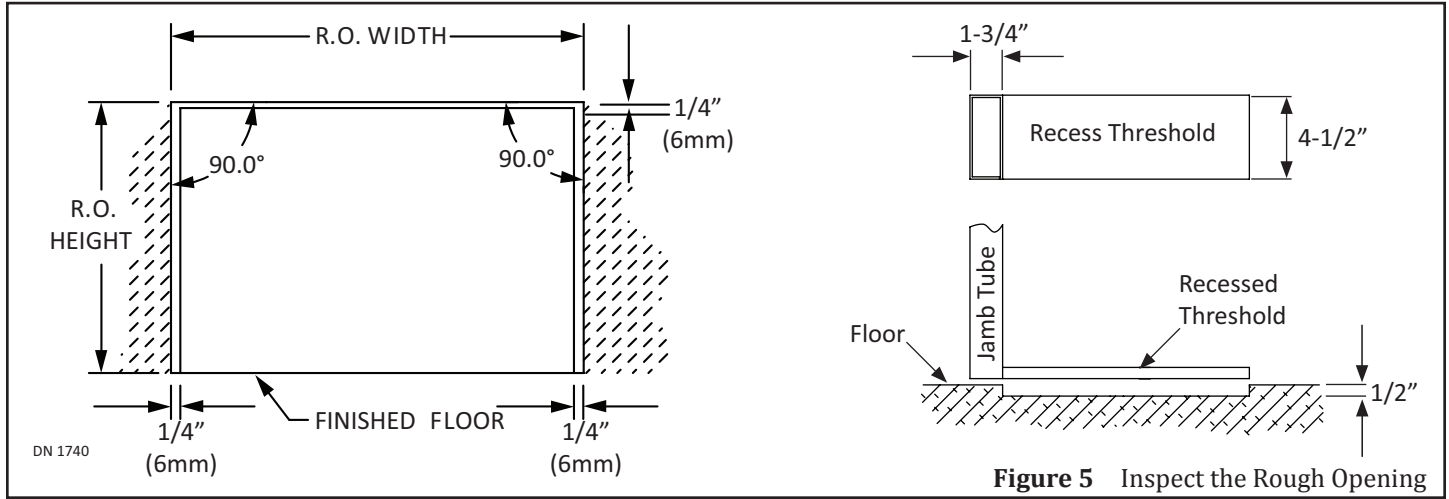


Figure 5 Inspect the Rough Opening

CHAPTER 6: ASSEMBLE DOOR FRAME (NO TRANSOM)

1. Position Jamb Tubes on either side of Header according to the instruction sticker located on each Jamb Tube, showing proper location and orientation.
2. Ensure the removed cover side of Header is facing up.
3. Orientate the Frame in relation to the building:
 - ▶ Fixed Sidelite: Removable Cover side of Header must face the Breakout side of building.
 - ▶ Full Open: Removable Cover side of Header must face the Interior side of building.

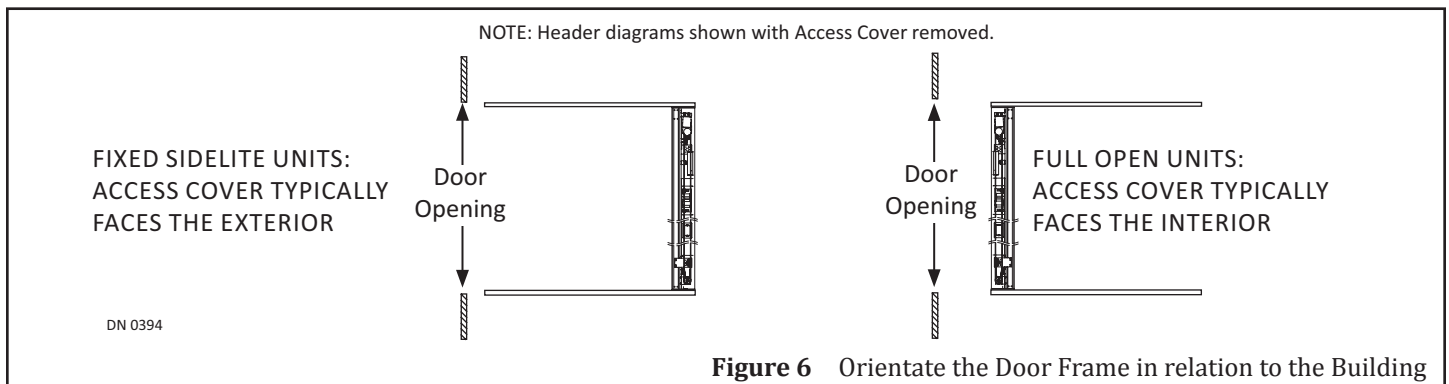


Figure 6 Orientate the Door Frame in relation to the Building

4. Secure the Header to each Jamb Tube with (6) 1/4-20 x .75 Whizlock screws.
 - a. If installed correctly there will be a 1/8 inch gap between the bottom of Jamb Tubes and the flat surface.

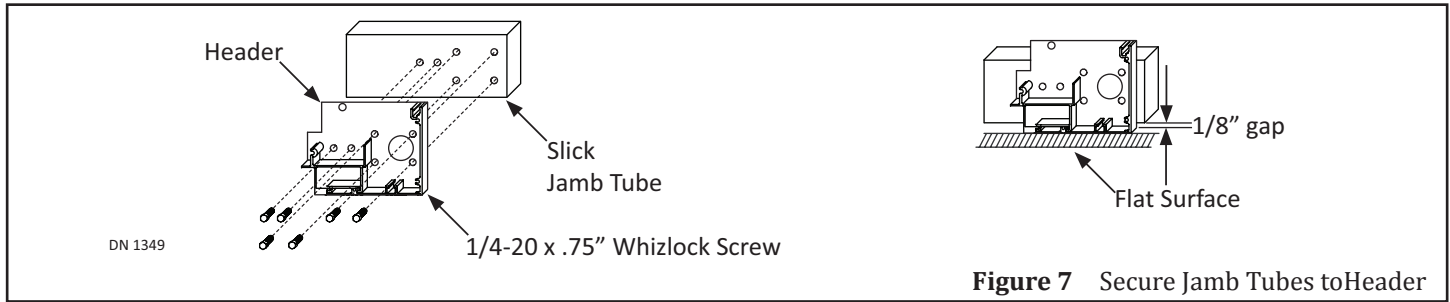


Figure 7 Secure Jamb Tubes to Header

CHAPTER 7: ASSEMBLE DOOR FRAME WITH TRANSOM

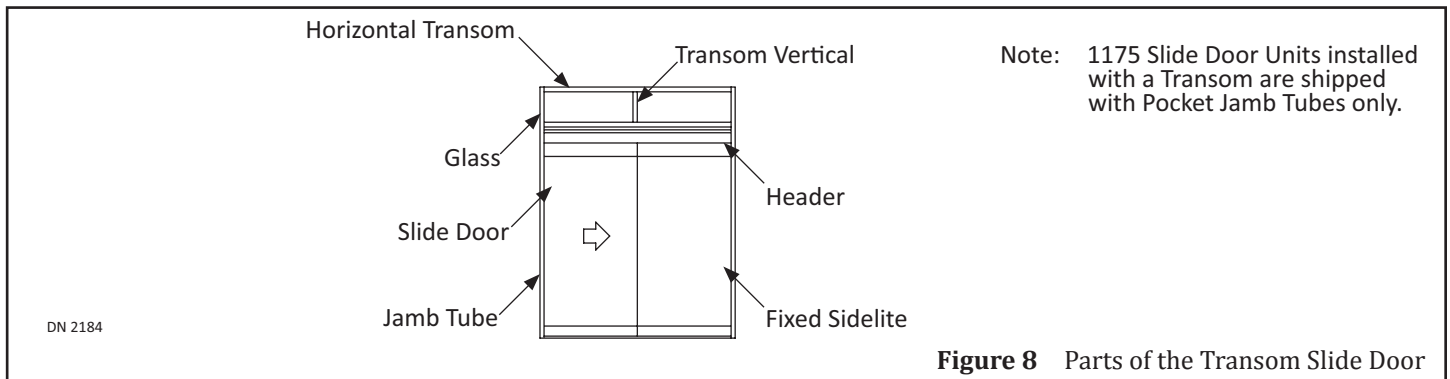


Figure 8 Parts of the Transom Slide Door

1. Place the Header on a flat surface. Align the Transom clips to the pre-drilled holes on top.

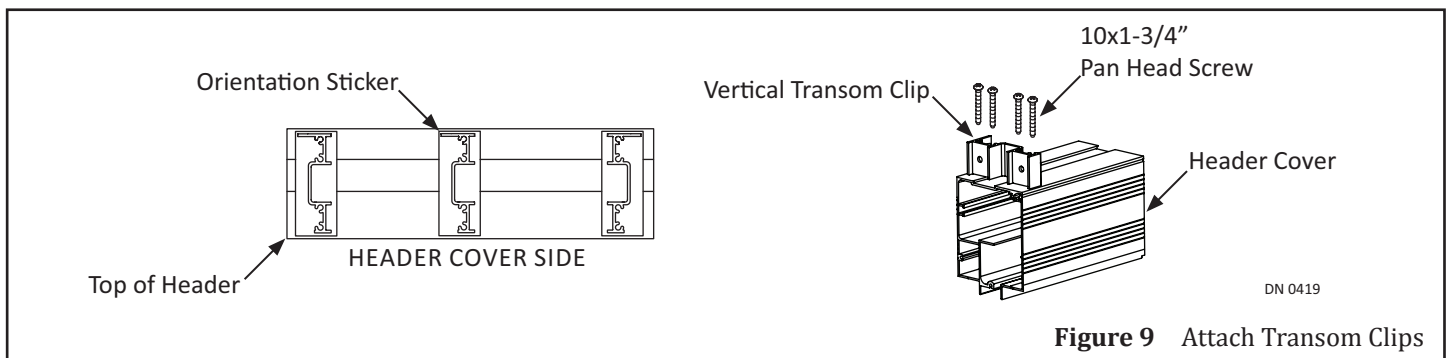


Figure 9 Attach Transom Clips

2. Secure Transom Clips to Header with 10 x 1-3/4 inch Phillips Pan Head screws.
 - a. Please refer to the orientation sticker located on the Header for proper location and orientation.
 - b. The Center Vertical will be in the center of the Header. On Single Units, the center will align with the leading edge of the Sidelite Panel

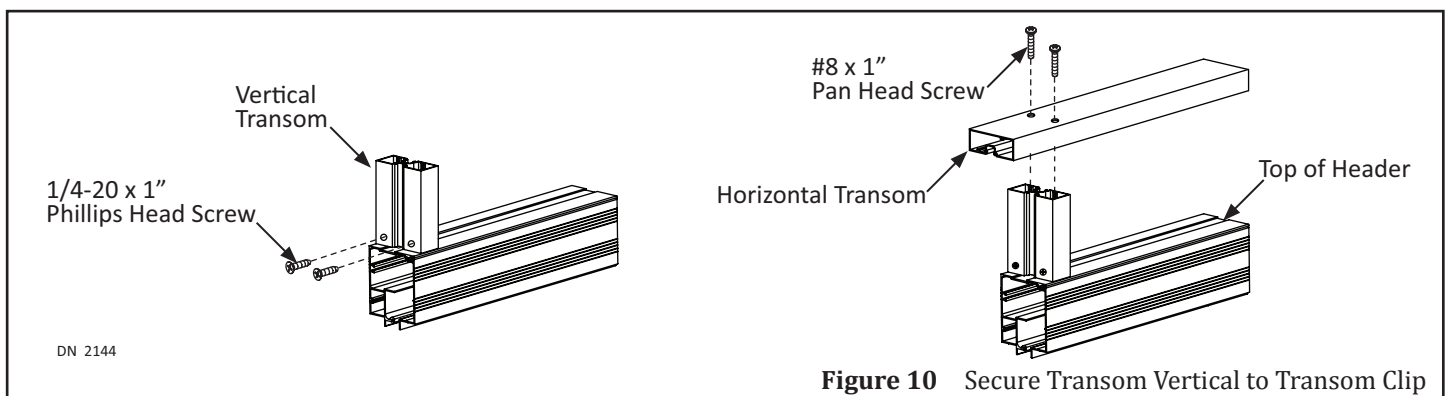
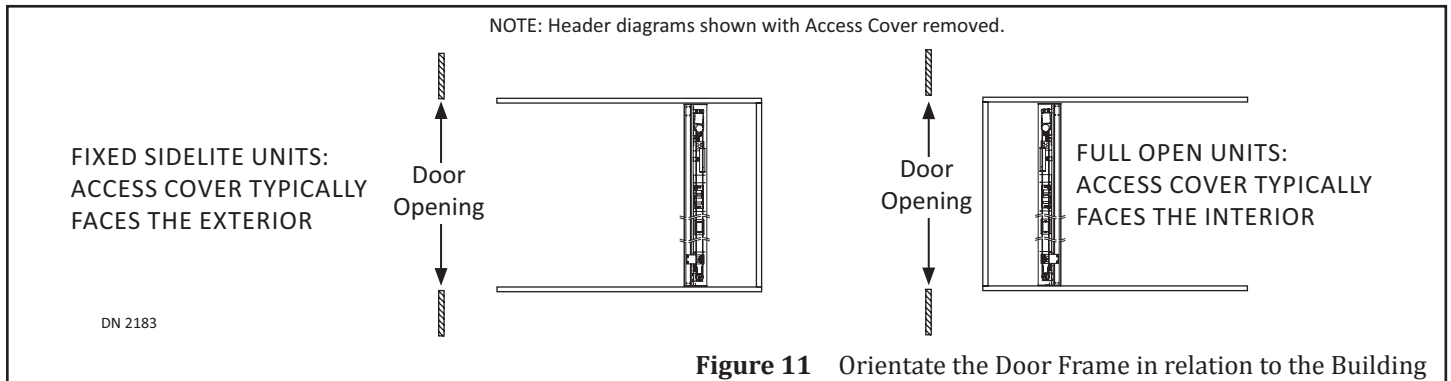


Figure 10 Secure Transom Vertical to Transom Clip

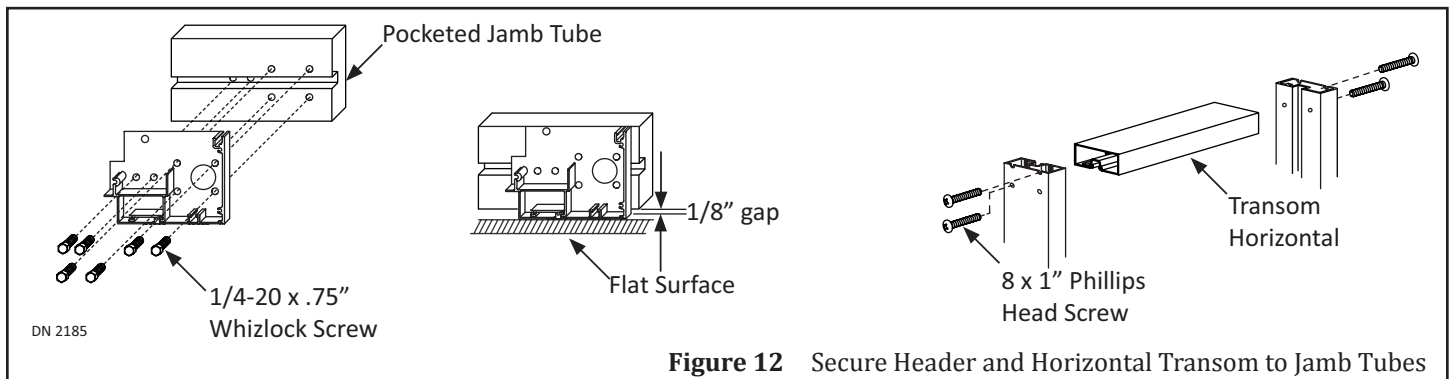
3. Secure (1) Transom Vertical to each Transom Clip with 1/4-20 x 1" Flat Head screws.

4. Secure the Transom Horizontal onto the Transom Verticals with #8 x 1 inch Pan Head screw.
5. Position Jamb Tubes on either side of Header according to the instruction sticker located on each Jamb Tube, showing proper location and orientation.
6. Ensure the removable cover side of Header is facing up.
7. Orientate the Frame in relation to the building:
 - ▶ Fixed Sidelite: Removable Cover side of Header must face the Breakout side of building.
 - ▶ Full Open: Removable Cover side of Header must face the Interior side of building.

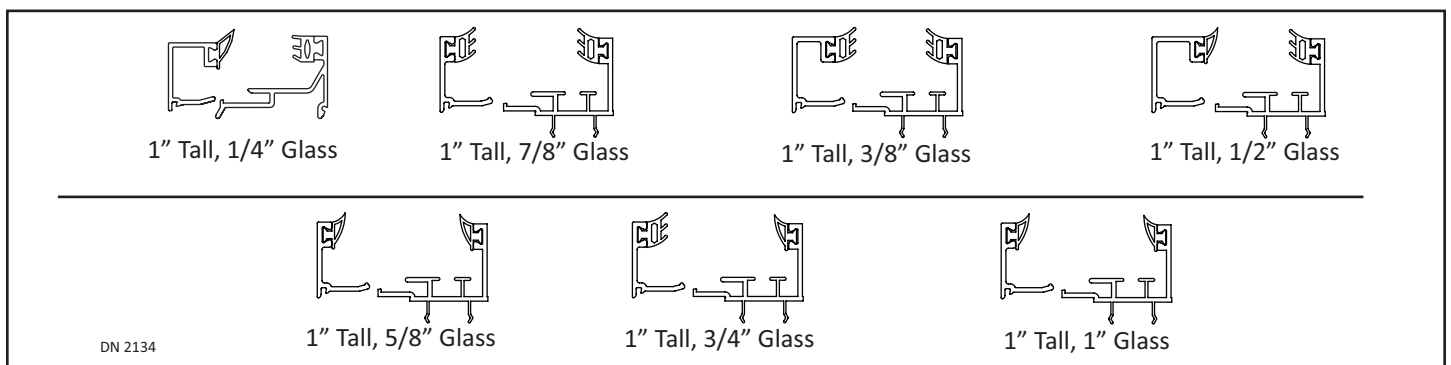


Note: 1175 Slide Door Units installed with a Transom are shipped with Pocket Jamb Tubes only.

8. Secure the Header to each Pocketed Jamb Tube with (6) 1/4-20 x .75 Whizlock screws.
 - a. If installed correctly there will be a 1/8 inch gap between the bottom of Jamb Tubes and the flat surface.
9. Secure the Transom Horizontal to each Jamb Tube with (2) 8 x 1 inch, Phillips Head screws.
10. Ensure the Frame is still orientated in relation to the building.



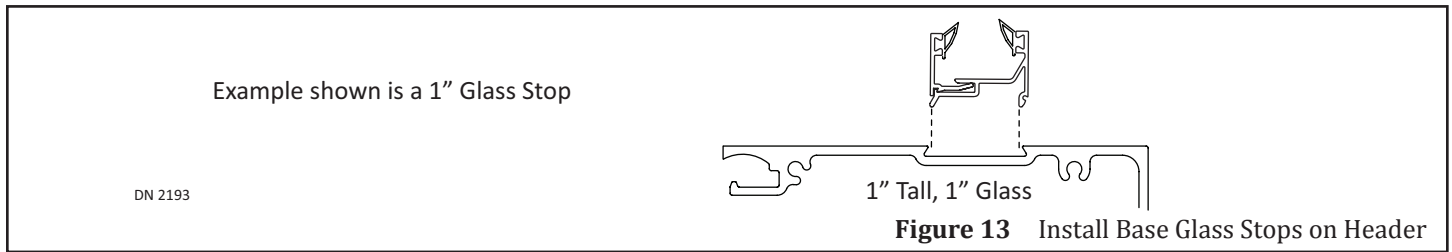
CHAPTER 8: INSTALL BASE GLASS STOPS TO HEADER



Note: Each Glass Stop is precut at the NABCO Factory according to placement and height of the Transom Vertical.

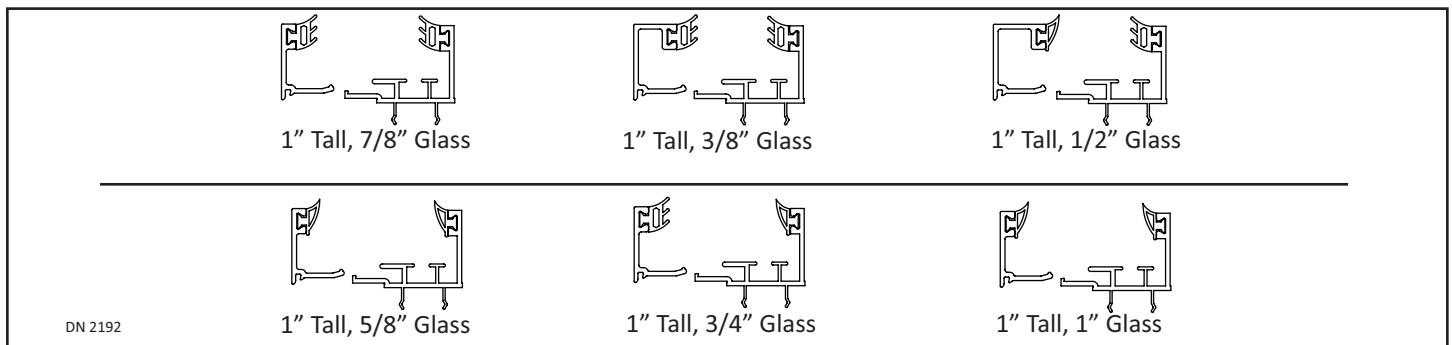
Note: Glass Panels can be installed before or after the Door Frame is secured to the rough opening.

1. Go to the top of Header. Snap-In the Base Glass Stops between each Jamb Tube and Transom Verticals (if any used).
 - a. Ensure the tall back of Base Glass Stops face the Breakout side of building.

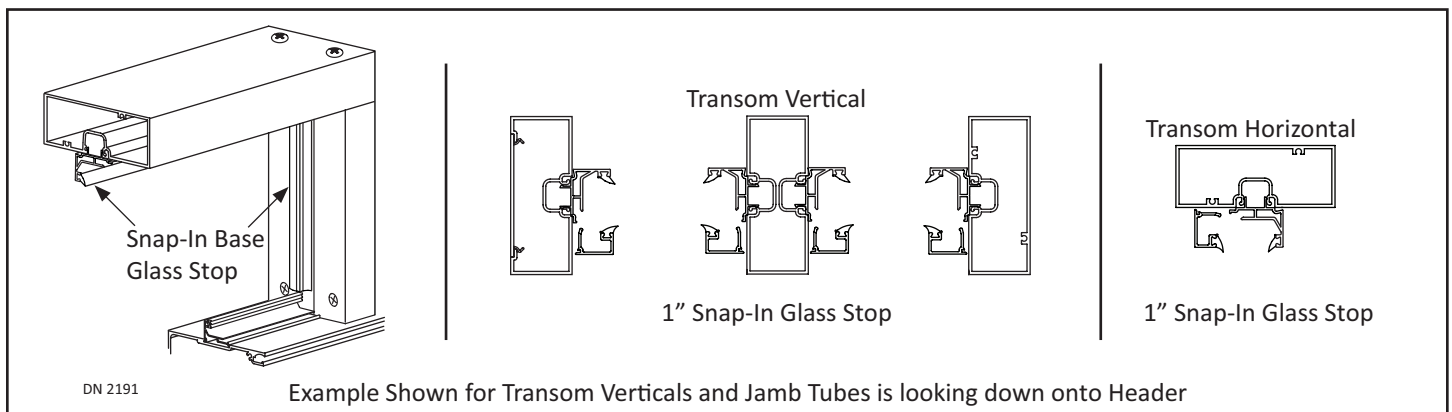


CHAPTER 9: INSTALL BASE GLASS STOPS TO TRANSOM/JAMB TUBES

SECTION 9.1: Transom for 3/8" thru 1" Glass Panels

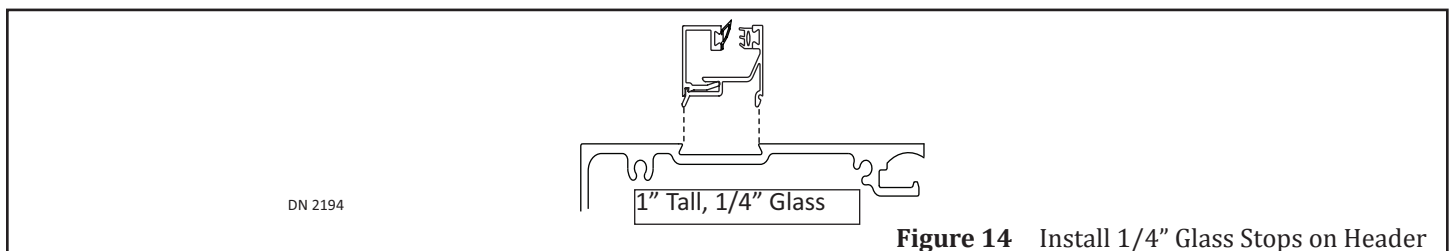


1. Go underneath the Transom Horizontal. Snap-In Base Glass Stops between the Transom Verticals.
 - a. Ensure the tall back of Base Glass Stops face the Exterior side of building.
2. Snap-in the Base Glass Stops to each Transom Vertical (if any used).
 - a. Ensure the tall back of Base Glass Stops face the Exterior side of building.
 - b. Glass Stops should be installed just above the Base Glass Stop installed on the Header.



SECTION 9.2: Transom for 1/4" Glass Panels (Flush Glazing)

1. Install a 1/4" Base Glass Stop on top of the Header (Jamb to Jamb or Between Transom Verticals and Jamb Tubes).



2. Measure between the Bottom of the Transom Horizontal and the Top of the Base Glass Stop located on the Header. Cut strips of Vinyl to that length.
3. Measure between the Transom Verticals. Cut a strip of Vinyl to that length.

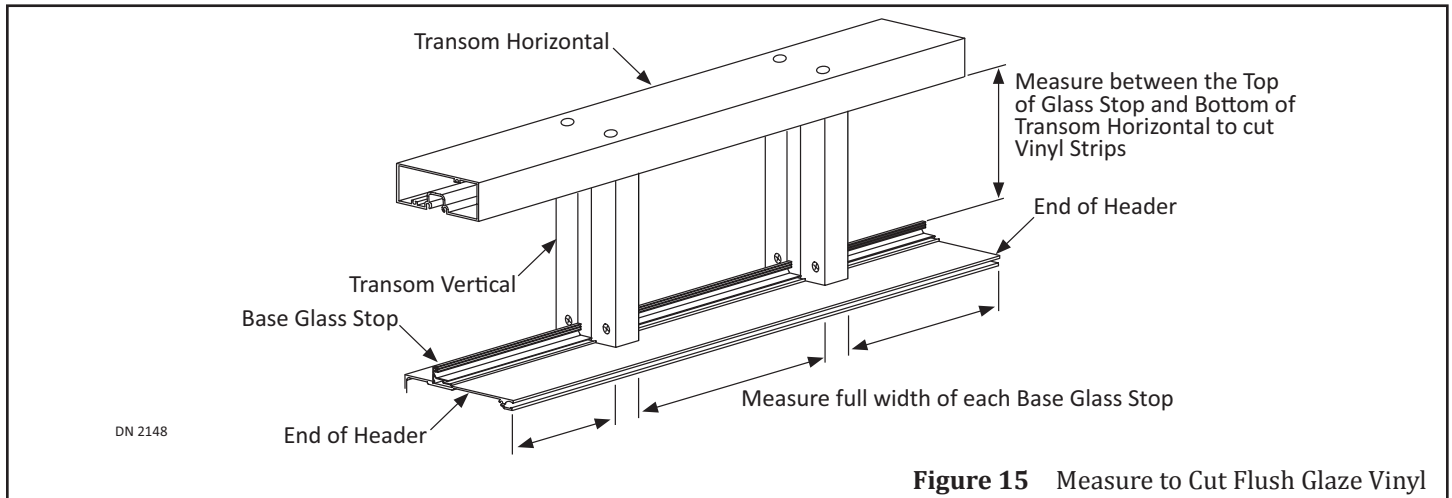


Figure 15 Measure to Cut Flush Glaze Vinyl

4. On the same side as the Glass Stop, roll or press the Vinyl Strips into each Transom and Jamb Tubes.
 - a. To make vinyl installation easier, use a Roller, or keep the vinyl wet with plain or soapy water.
 - b. The other side of Vinyl Strips are installed after the Glass Panel has been put in place.
5. Complete the Transom Glazing installation after the All Glass Slide door has been installed.

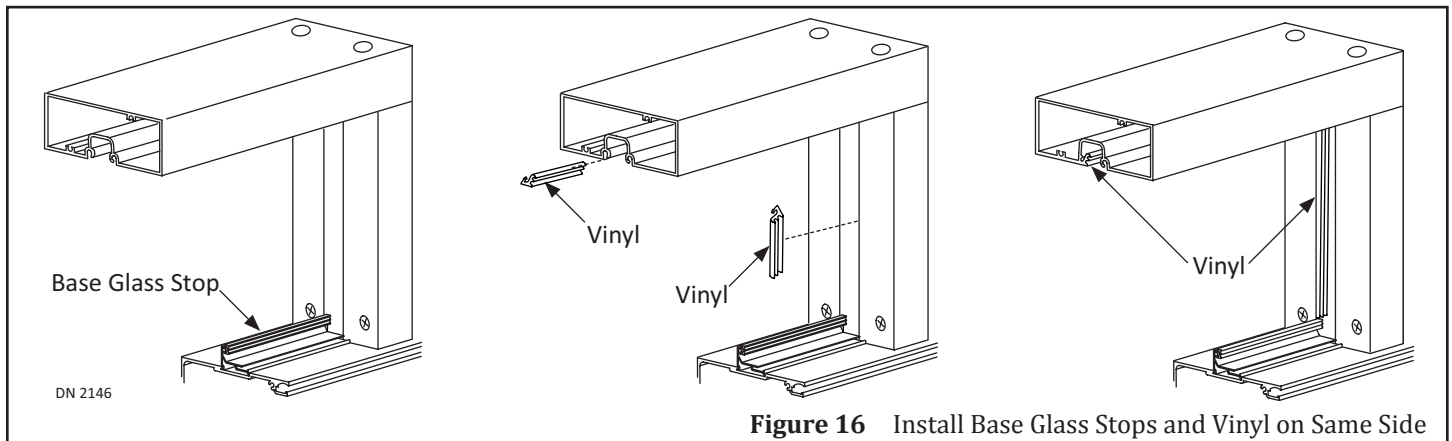


Figure 16 Install Base Glass Stops and Vinyl on Same Side

CHAPTER 10: INSTALL THE TIE RODS

IF NOT INSTALLING TIE RODS SKIP TO CHAPTER 11

Note: It is recommended to use (1) Tie Rod per Transom Vertical, if more than (2) Transom Verticals are installed.

1. Lift to position the assembled Frame into the rough opening.
2. Shim and Plumb Jamb Tubes in both planes to ensure the rough opening allows a 1/4 inch clearance.
3. Shim and plumb the Transom Horizontal at the top to ensure the rough opening allows a 1/4 inch clearance.

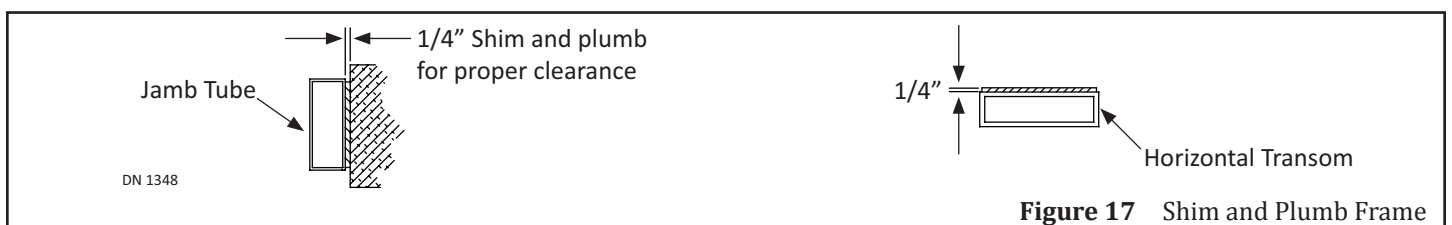
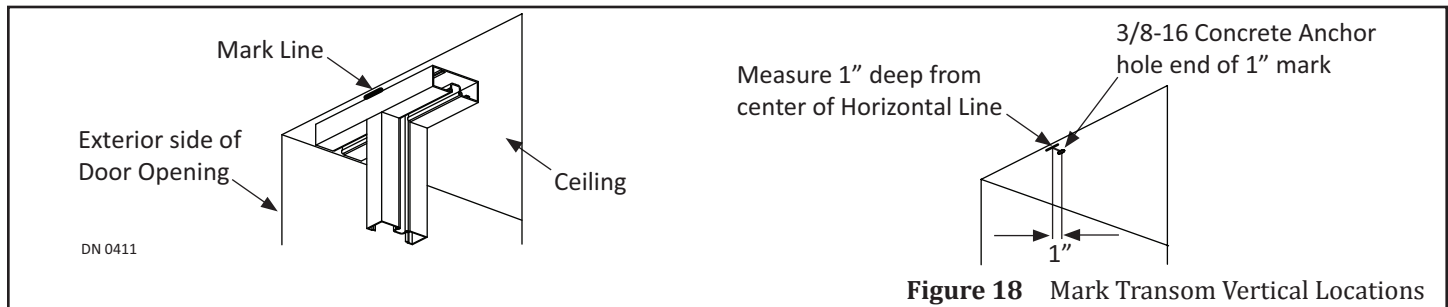


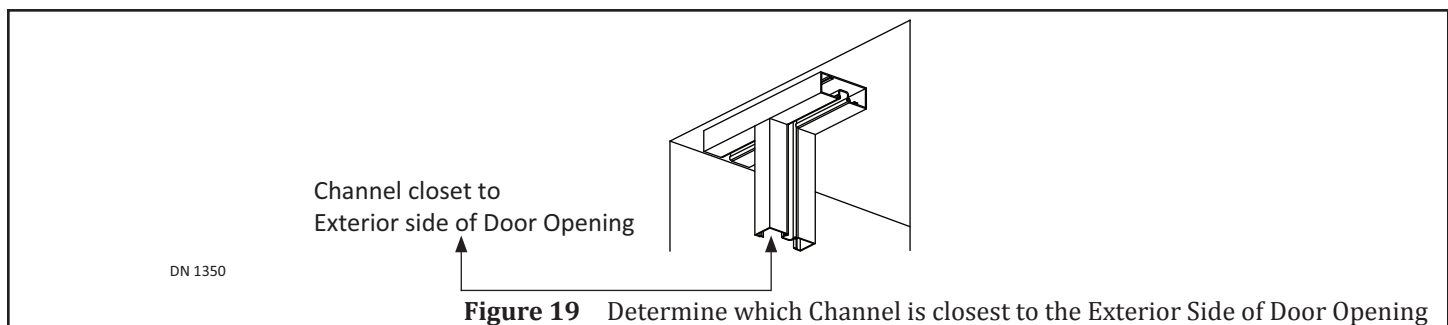
Figure 17 Shim and Plumb Frame

4. Go to the side of Header that is closest to the Exterior side of Door Opening,

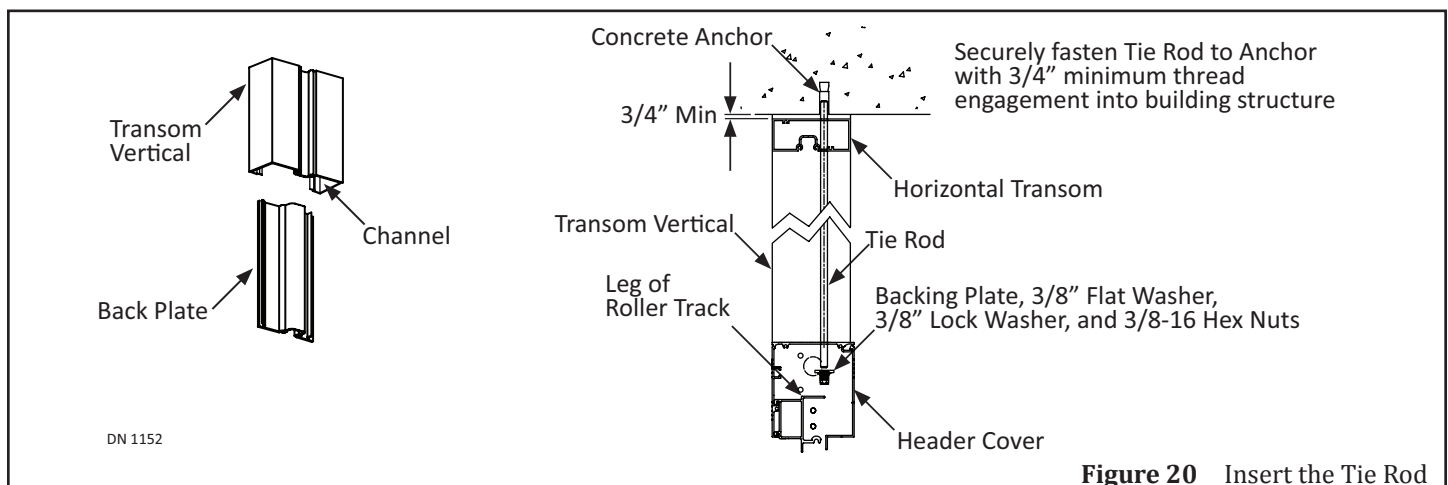
5. Mark the exact location of each Transom Vertical by drawing a horizontal line (the full width of the Transom Vertical) onto the ceiling of the Rough Opening.
 - a. Do not draw the line wider than the Transom Vertical.
 - b. It is recommended to use a level for this step.
6. From the center of each Horizontal line, measure 1 inch deep (towards the interior side of building). Mark a Vertical line onto the ceiling of the Rough Opening. It is recommended to use a level for this step.



7. Carefully remove the Door Frame from the Rough Opening. Set aside.
8. At the end of each Vertical Line mark, drill (1) 3/8-16 Concrete Anchor hole into the ceiling of the Rough Opening.
9. Obtain all Tie Rods. (1) Tie Rod Parts box is shipped for each Transom Vertical.
10. Snap the Back Plate out from each Transom Vertical for easy access to the Tie Rod.
11. Transom Verticals are pocketed with (2) channels. Determine which channel is closest to the Exterior side of Door Opening.
12. Insert (1) Tie Rod into that channel.



13. Go to the top of Header. Insert each Tie Rod down into the 1 inch, pre-drilled hole.
14. Once the Tie Rod is through the Header, loosely attach (1) Backing Plate, (1) 3/8 inch Washer, (1) 3/8 inch Lock Washer and (1) 3/8-16 Hex Nut (in that order) to the bottom of the Tie Rod.
 - a. The length of each Tie Rod equals the distance between the top of the Header, and the top of the Transom Horizontal, plus 2-5/8 inches.



- 15. Allow each Tie Rod to rest on the Roller Track "Leg" within the Header.
 - a. The Tie Rod must remain inside the Transom Vertical until the Frame is fully secured into the Rough Opening.
 - b. Tie Rod Installation is completed after the Frame is installed.

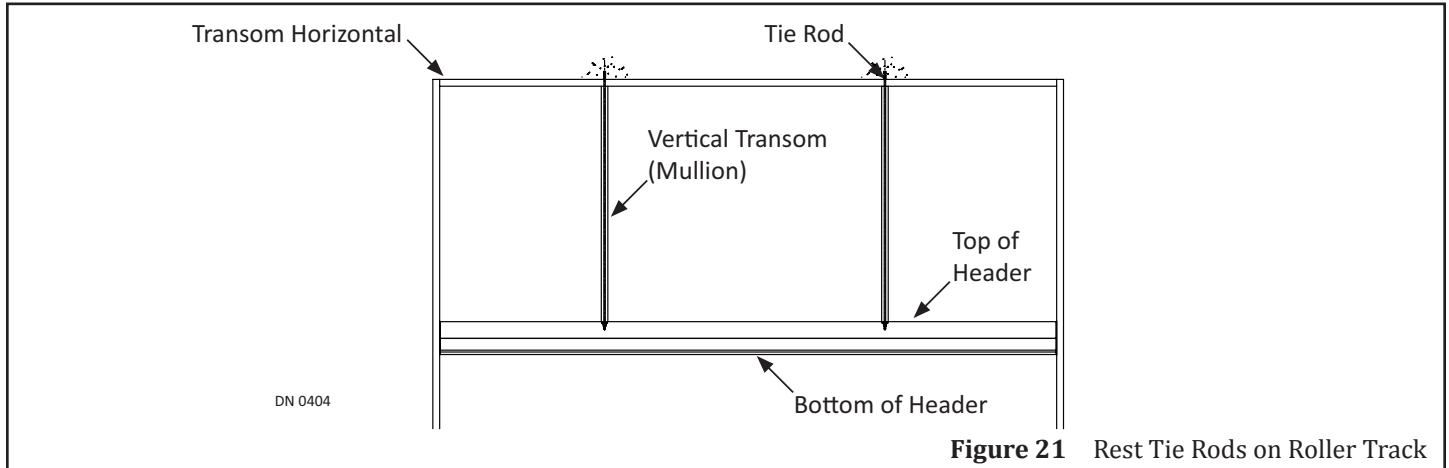


Figure 21 Rest Tie Rods on Roller Track

CHAPTER 11: SECURE DOOR FRAME TO BUILDING

- 1. Lift to position the assembled Frame into the rough opening.
 - a. To prevent electrical interference for the 120 Vac Line, always route 120 Vac Power through the Header Endcap that is opposite to the controller and motor/operator.
 - b. Please refer to "Model GT 1175 Electrical Installation Manual"; P/N C-00198 for detailed information.
- 2. Shim and Plumb Jamb Tubes in both planes to ensure the rough opening allows a 1/4 inch clearance. Shim and plumb the Header or the Transom Horizontal at the top to ensure the rough opening allows a 1/4 inch clearance.

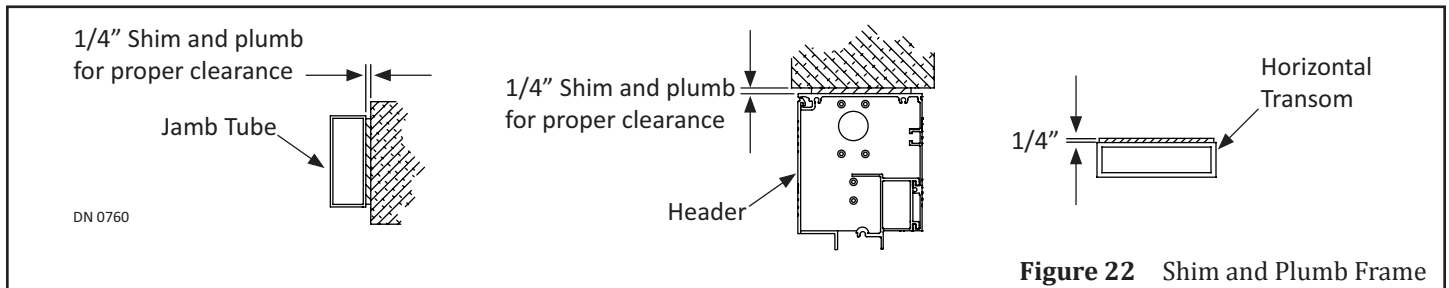


Figure 22 Shim and Plumb Frame

SECTION 11.1: Anchor Placements

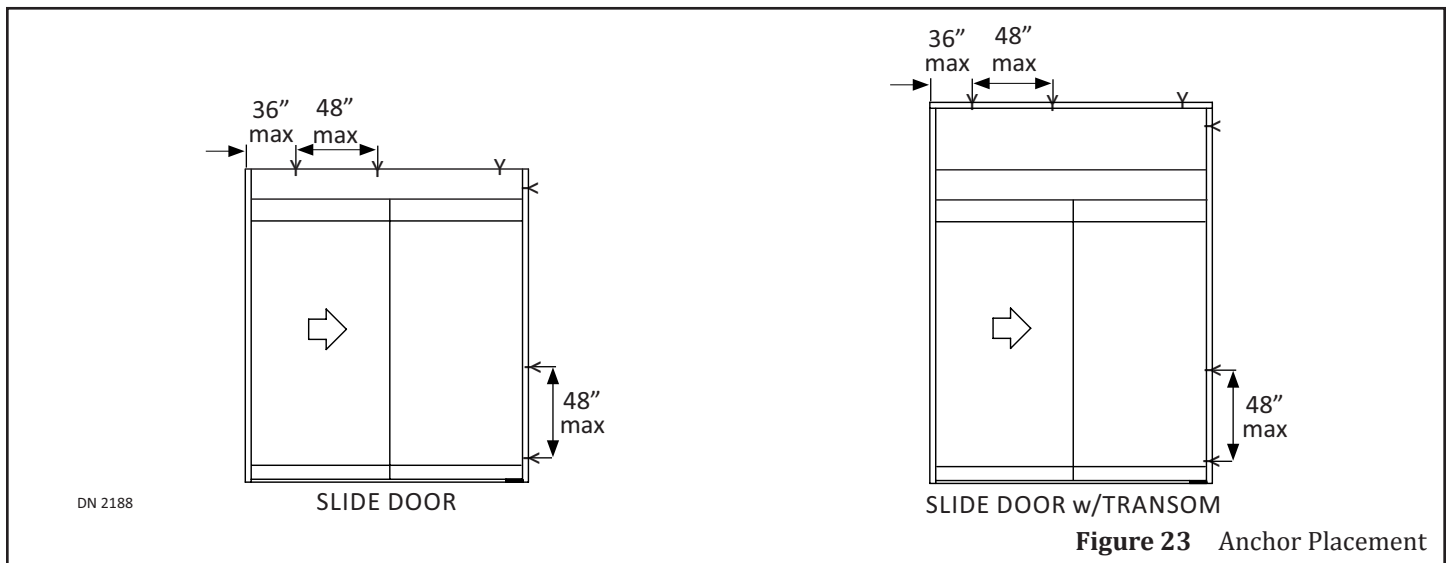


Figure 23 Anchor Placement

- ▶ Anchors are not provided by NABCO.
- ▶ Anchors must be appropriate for the type of structure being fastened to.
- ▶ Screw in anchors to secure the Frame (per manufacturer's specifications).
- ▶ It is recommended to countersink holes as required to flush the surface.
- ▶ Do not overtighten anchors to prevent deforming Jamb Tubes.

SECTION 11.2: Jamb Tubes (Slick and Pocketed)

1. Use 1/4 inch diameter anchors with a minimum of 4 per Jamb Tube, maximum is 36 inches on center.
2. Drill 1/4 inch diameter holes in the face of Jamb and then countersink each hole.

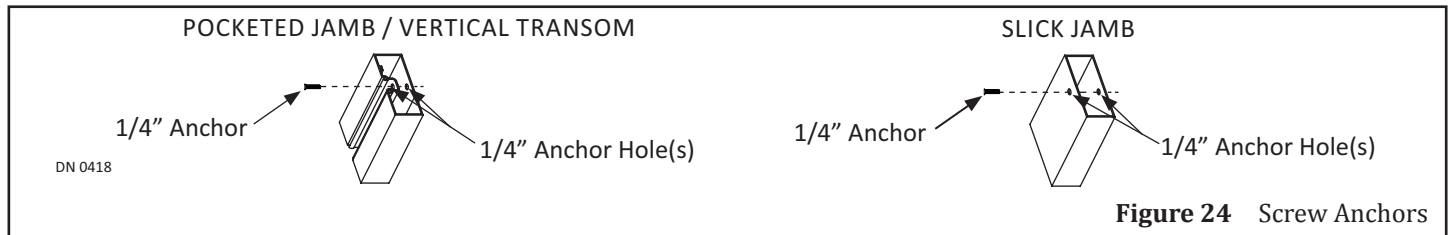


Figure 24 Screw Anchors

SECTION 11.3: Transom Horizontal

1. Use 1/4 inch diameter anchors with a minimum of 3 per Transom tube, maximum is 48 inches on center. Anchoring is required within 8 inches of all vertical mullions.
2. Drill 1/4 inch diameter holes in the face of Transom Horizontal and then countersink each hole.

SECTION 11.4: Header

1. To prevent Header sag, use 1/4 inch diameter anchors or 3/8 inch threaded rods, with a maximum 48 inches on center. First anchor maximum is 36 inches from each end of the Header.
2. Drill 1/4 inch diameter holes inside the top of Header.

CHAPTER 12: COMPLETE THE TIE ROD INSTALLATION

1. After the Frame has been installed, slide each Tie Rod up the Transom Vertical channel into each 3/8-16 Anchor.
 - a. The 3/8-16 Anchor is used to securely fasten the Frame.
2. Go back to the Header to securely tighten the Backing Plate, 3/8 inch Washer, 3/8 inch Lock Washer and 3/8-16 Hex Nut to the bottom of the Tie Rod.
3. Reassemble each Transom Vertical by snapping the Back Plate back into place.
4. It may be necessary to use a rubber mallet to slightly tap the Back Plate into place.
 - b. Protect the surface of the Back Plate before hitting it with a rubber mallet.
5. Fill in any/all exposed gaps found on Jamb Tubes with Pocket Fillers that snap in place.
 - a. Pocket Fillers (P/N 14-9875) are either shipped with Unit or purchased separately in lengths of 21' 6".
 - b. Pocket Fillers are cut as required by the installer.
6. Snap Pocket Fillers in place.
 - a. Pocket Fillers are used to fill in any/all exposed gaps.
 - b. Pocket Fillers are either shipped with Unit or purchased separately in lengths of 21' 6".

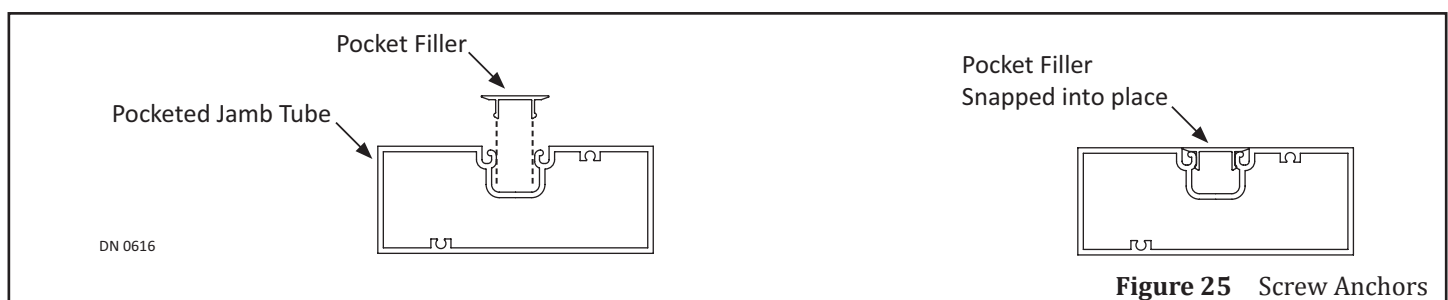


Figure 25 Screw Anchors

CHAPTER 13: WIRE THE SWITCH ASSEMBLY (ROCKER SWITCH OR KEY SWITCH)

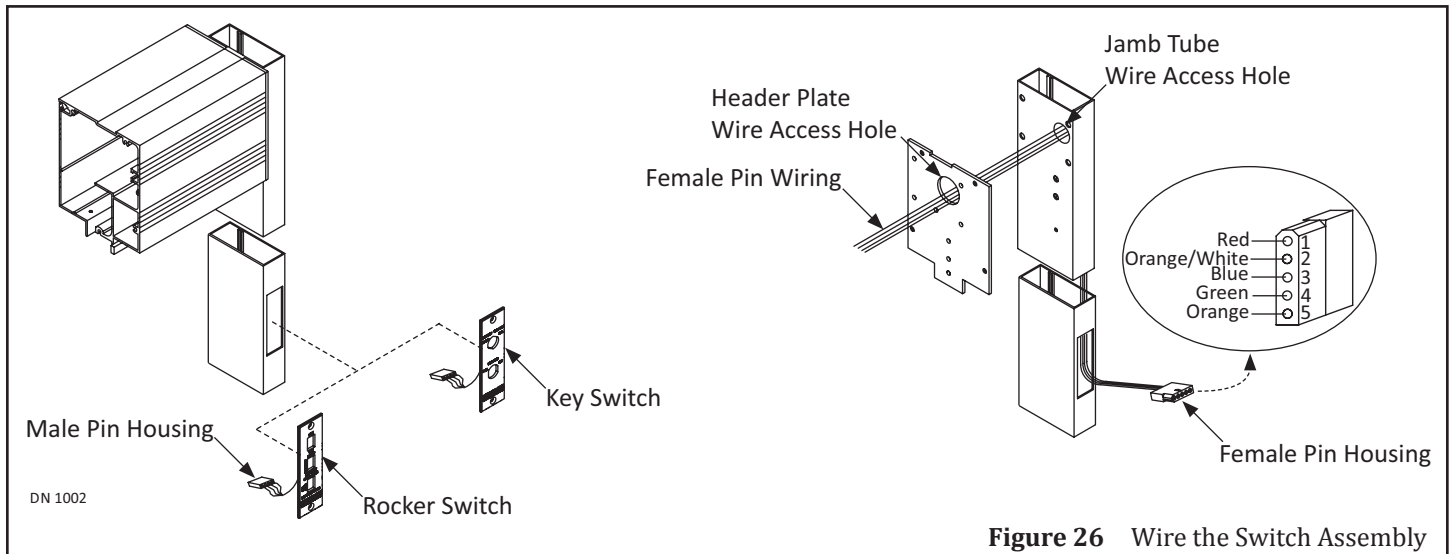


Figure 26 Wire the Switch Assembly

1. Go inside the Header. Locate the Pin wiring that is attached to the U30 Microprocessor Control, Main Harness.
2. Draw Pin wiring through a hole located at the side of Header and Jamb Tube. Continue to route wiring down the Jamb Tube.
3. Pull the Pin Wiring out, through the cut out.
4. Obtain (1) loose 5 Circuit Pin Housing from the Parts Box. Insert each Pin into the 5 Circuit Pin Housing accordingly:
 - a. 1 = Red, 2 = Orange/White, 3 = Blue, 4 = Green, 5 = Orange
5. Obtain (1) Switch Assembly and (2) 10-32 x 1/2 inch Phillips Head Screws from the Parts Box.
6. Connect the Switch Harness from the back of the Switch Assembly to the Main Harness. Place extra wiring back inside the Jamb Tube.
7. Insert the Switch Assembly into the Cut Out.
8. Secure the Switch Assembly to the Jamb Tube with (2) 10-32 x 1/2 inch Phillips Head Screws.

CHAPTER 14: ASSEMBLE GLASS PANELS

SECTION 14.1: Prep the Rails

14.1.1 Remove End Caps to Clean Rims

1. Remove all Endcaps and 8-32 x 3/8 inch Screws from the Top and Bottom Rails. Set aside.
2. Adhere 2 inch wide Painters Tape onto the face of each End Cap.
3. Mark the location of where each End Cap was removed. Example: Bottom Rail, Pivot LH; Bottom Rail, Strike LH
 - a. End Caps installed on the Pivot Side of Rails are Beveled.
4. All rims must be cleaned with 99% rubbing alcohol, 2 times or more, to ensure a proper seal with the Painters Tape.

14.1.2 Clean Rims on top of Rails

1. Clean rims on top of Rails with 99% rubbing alcohol, 2 times or more, to ensure a proper seal with the Painters Tape.

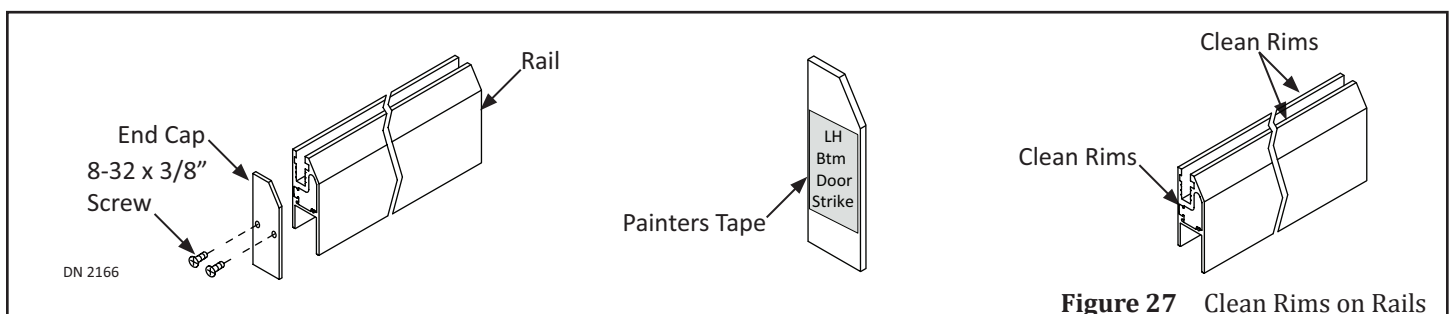


Figure 27 Clean Rims on Rails

14.1.3 With Painters Tape, Mask the Top Rims on Rails for Caulking of Silicone

1. Go to the top of each Rail. From the inside edge towards the outside edge, measure (1/8 inch minimum to 1/4 inch maximum). Mark that measurement
2. At the marked measurement, adhere the 2 inch wide Painters tape across the Rim so the face of Rim towards the inside edge is still exposed.
 - a. Ensure the Painters Tape is straight. The exposed part of each Rim is considered to be a cosmetic line.
3. Press down onto the Painters Tape to create a proper seal.

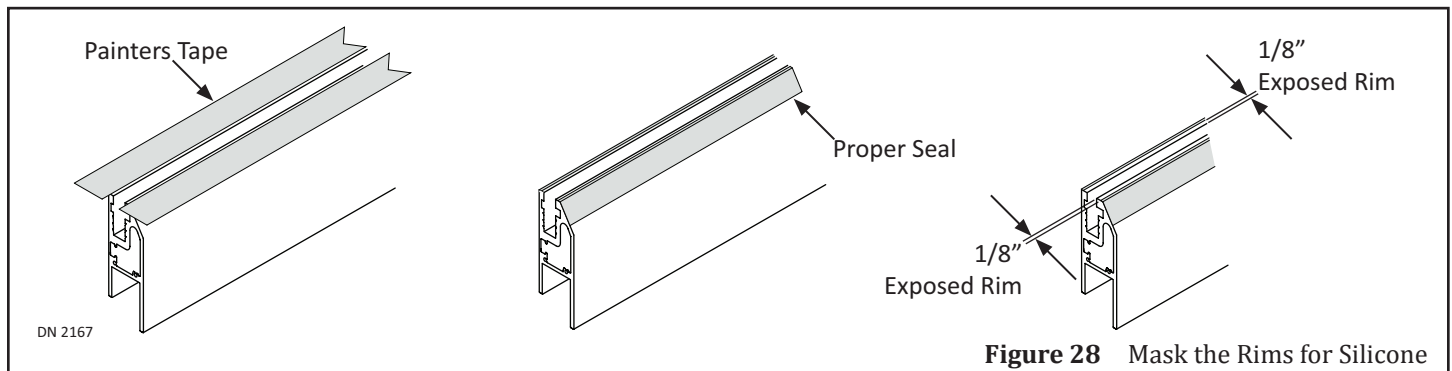


Figure 28 Mask the Rims for Silicone

14.1.4 With Painters Tape, Mask the Top Rims on Rails for Pouring of Rockite

Attention: Read the cure parameters, and cure time on the Rockite container before installing the glass panel.

1. Adhere 2 inch wide Painters Tape on top of each Rim so it completely covers the exposed edge, the first layer of Painters Tape, and hangs over the sides of each Rim.
2. Press the Painters Tape down, onto the top of each Rim to create a proper seal.
3. Fold the Painters Tape down, onto the Outside Face of each Rail.
 - a. DO NOT fold the Painters Tape over the inside edges (where the glass panel will be glazed).
4. For the inside Rims, hold the Painters Tape taut to cut off the excess Painters Tape with a Razer Knife (box cutter).
 - a. Ensure the Painters Tape is cut so it is flush to the edge of Rim.

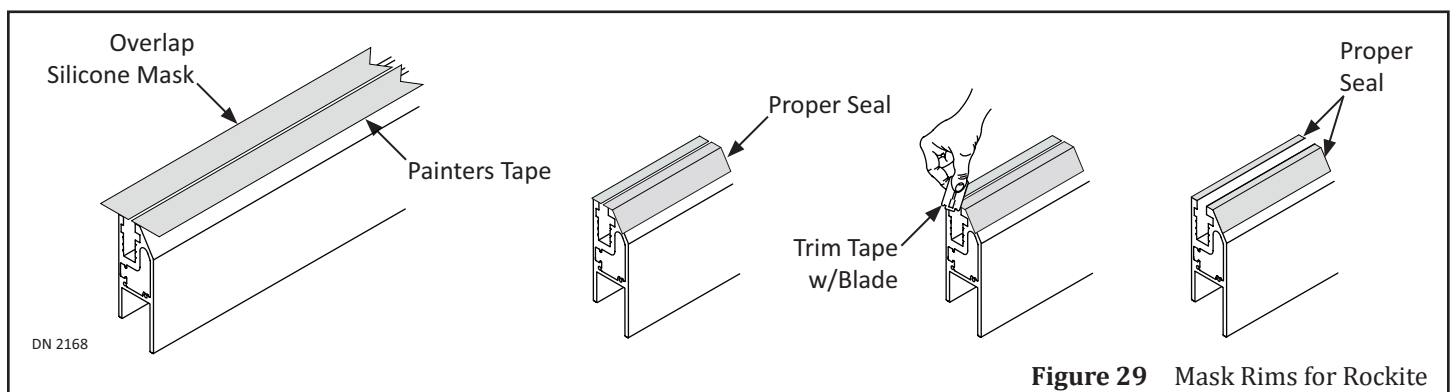


Figure 29 Mask Rims for Rockite

5. Inspect the inside face of Rims to ensure all Painters Tape has been removed.
 - a. Slivers of Painters Tape can be inadvertently stuck inside the Rim. If not removed:
 - Slivers of Painters Tape will bond with the Rockite and be seen through the Glass Panel.
6. Go to each end of the Top Rail and Bottom Rail. Cut off the excess Painters Tape with a Razer Knife (box cutter).
 - a. Cut Painters Tape so it is flush against the inside Rim.

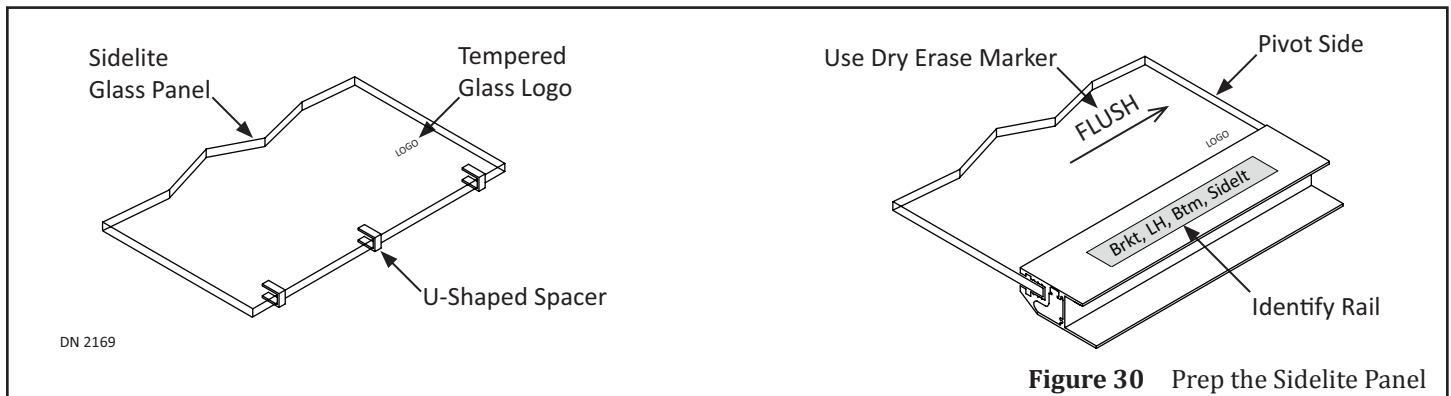
SECTION 14.2: Prep the Glass Panels

14.2.1 All Glass Panels

1. Lay down the Glass Panel so it is waist height. Ensure the top and bottom ends of the Glass Panel are accessible.
 - a. Saw Horses can be used.

14.2.2 Prep the Sidelite Panel

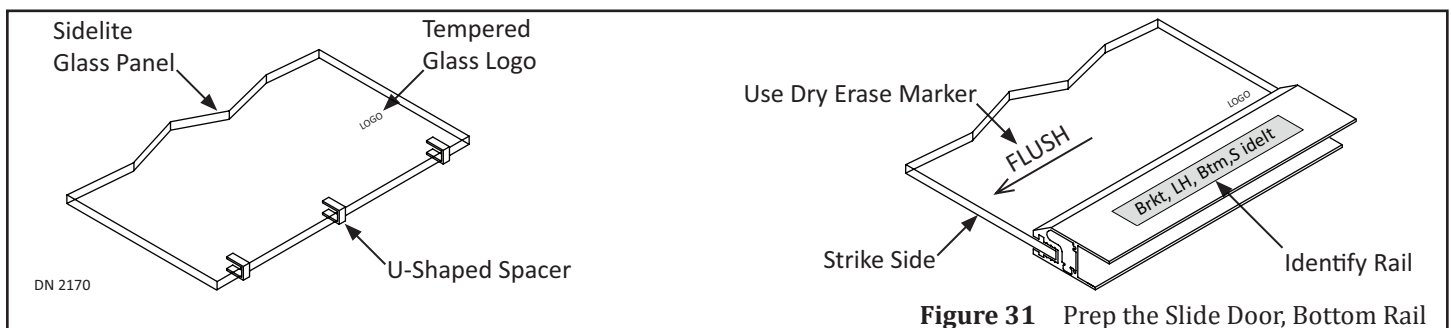
1. Orientate the Glass Panel so the Tempered Glass logo is on the Bottom, Pivot side.
 - a. The Tempered Glass logo can face the Breakout, or interior side; but must be located on the Bottom, Pivot Side.
2. Go to the bottom of the Glass Panel. Slide (3) u-shaped Spacers onto the bottom of the Glass Panel so, (1) spacer is 2" from the left edge, (1) spacer is approximately in the middle, and (1) spacer is 2" from the right edge.
3. Turn the Bottom Rail so the Breakout side is facing UP.
 - a. For the Fixed Sidelite, the Breakout side of the Bottom Rail is the flat face.
4. On a strip of Painters Tape, write the orientation of the bottom Rail. For example: Breakout. Left Hand, Bottom, Sidelite.
5. Center the Bottom Rail to the Glass Panel.
6. Slide the Bottom Rail onto the Spacers.
7. Repeat steps for the Top Rail.
8. Go to the Pivot Side of Sidelite. Use a Dry Erase Marker to draw an Arrow pointing to the Flush side of Glass Panel, then write the word "Flush".
9. Skip to "SECTION 2.4: Mask the Glass Panels".



14.2.3 Prep the Slide Door Bottom Rail

CAUTION

DO NOT break the Glass Panel when sliding the Top Rail onto the Glass Panel.



Attention: Ensure the Top Rail and Bottom Rail are parallel with the face of glass. Use a straight edge and the flat part of the Rail to align.

1. Orientate the Glass Panel so the Tempered Glass logo is on the Bottom, Pivot side.
 - a. The Tempered Glass logo can face the Breakout, or interior side; but must be located on the Bottom, Pivot Side.
2. Go to the bottom of the Glass Panel.
3. Slide (3) u-shaped Spacers onto the bottom of the Glass Panel so, (1) spacer is 2" from the left edge, (1) spacer is approximately in the middle, and (1) spacer is 2" from the right edge.
4. Turn the Bottom Rail so the Breakout side is facing UP.
 - a. For the Fixed Sidelite, the Breakout side of the Bottom Rail is the flat face.

5. Write the orientation of the bottom Rail onto a piece of Painters Tape. Example: Breakout. Left Hand, Bottom, Sidelite.
6. Center the Bottom Rail to the Glass Panel.
7. Slide the Bottom Rail onto the Spacers.
8. Go to the Strike side of Slide Door.
9. Use a Dry Erase Marker to draw an Arrow pointing to the Flush side of Glass Panel, then write the word "Flush".

14.2.4 Prep the Slide Door Top Rail

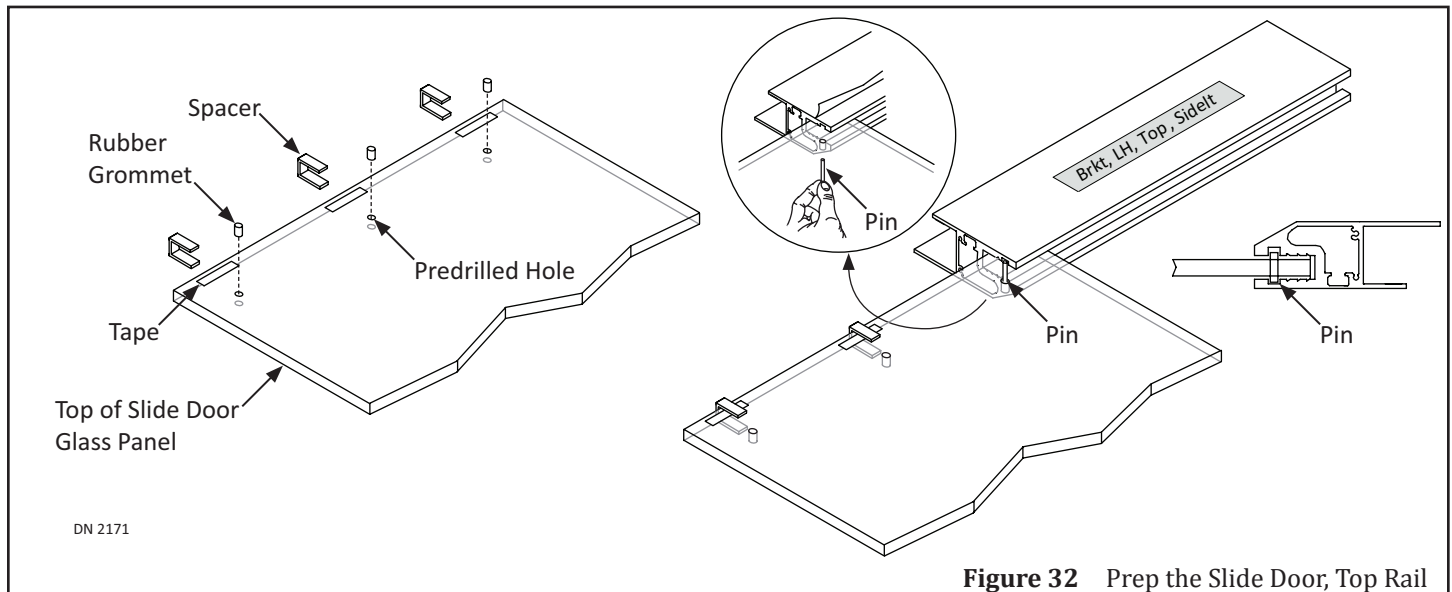


Figure 32 Prep the Slide Door, Top Rail

1. Go to top of the Glass Panel. Locate (3) predrilled holes. Insert (1) Rubber Grommet into each hole.
2. Remove the protection film from the double face Tape that has already been adhered to the Glass Panel, in (3) places.
3. Place (1) u-shaped Spacer onto the top of each double face Tape. Press down to create a proper seal.
4. Orientate the Top Rail so the Breakout side is facing UP. The Breakout side of Top Rail is beveled.
5. Starting from one end of the Glass Panel, carefully slide the Top Rail onto the glass.
 - a. Ensure not to break or chip the corner of the Glass Panel.
6. STOP right before the Top Rail slides over the first predrilled hole.
7. Insert (1) Pin from the bottom of the Glass Panel through the Grommet, so the length of Pin is centered to the Glass.
 - a. Do Not knock the u-shaped Spacer off the double faced Painters Tape.
8. Continue to slide the Top Rail until another predrilled hole has been reached. Insert the Pin, accordingly.

14.2.5 Adhere the Silicone Mask

1. Adhere a strip of the 2 inch Painters Tape across the width of the Glass Panel (1/8 inch to 1/4 inch) inch away from the Rail.
 - a. If done correctly, a (1/8 inch minimum to 1/4 inch maximum) gap will exist between the Rail and Painters Tape.
 - b. Ensure the Painters Tape line is straight. The exposed part of each Glass Panel is considered to be a cosmetic line.

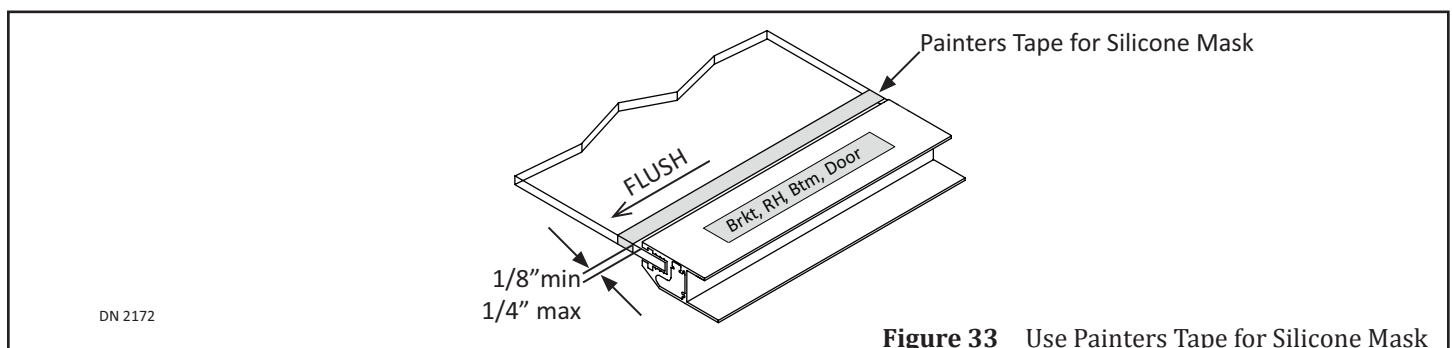


Figure 33 Use Painters Tape for Silicone Mask

14.2.6 Adhere the Rockite Mask

1. Adhere a strip of 2 inch Painters Tape across the width of the Glass Panel so it butts against the top of Rail, and completely covers the (1/8 inch to 1/4 inch) Gap.
2. Mark the word Breakout onto the Painters Tape, and then draw an Arrow pointing towards the Flush side of Glass Panel. Write the word Flush next to the arrow.

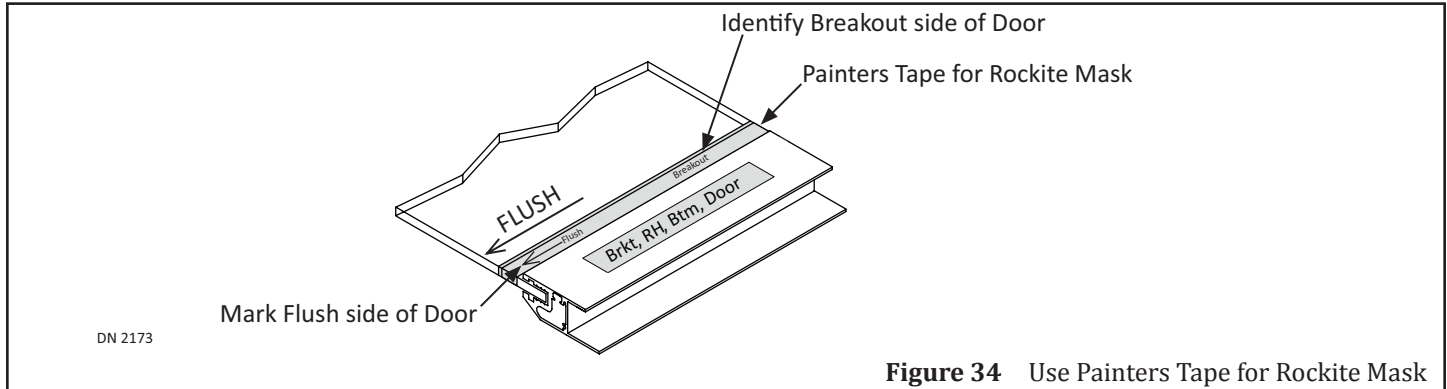


Figure 34 Use Painters Tape for Rockite Mask

14.2.7 Mask the other side of Glass Panel.

1. Remove all Rails from the Glass Panel.
2. Manually flip the Glass Panel over (180 degrees).
 - a. This will require 2 men, or the use of an Industrial Manipulator.
3. Adhere 2 inch Painters Tape directly on top of the first layer of the Painters Tape that was adhered to the other side of the Glass Panel for the (Silicone Mask). Press down onto the Painters Tape to create a proper seal.
 - a. Ensure the Painters Tape line is straight. The exposed part of each Glass Panel is considered to be a cosmetic line.
4. Adhere 2 inch Painters Tape directly on top of the second layer of the Painters Tape that was adhered to the other side of the Glass Panel for the (Rockite Mask). Press down onto the Painters Tape to create a proper seal.

14.2.8 Flush the Glass Panel to the Top Rails and Bottom Rails

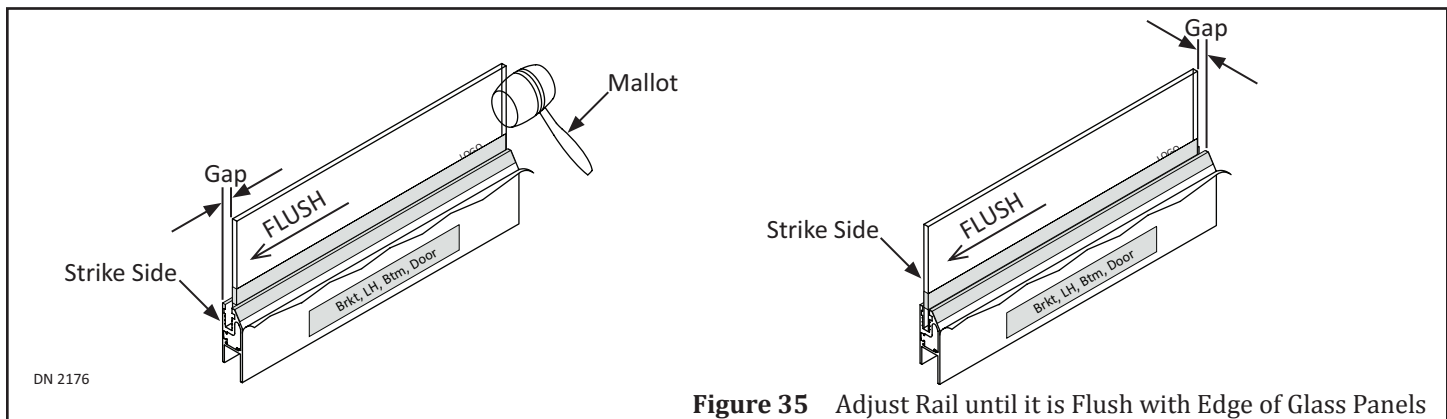


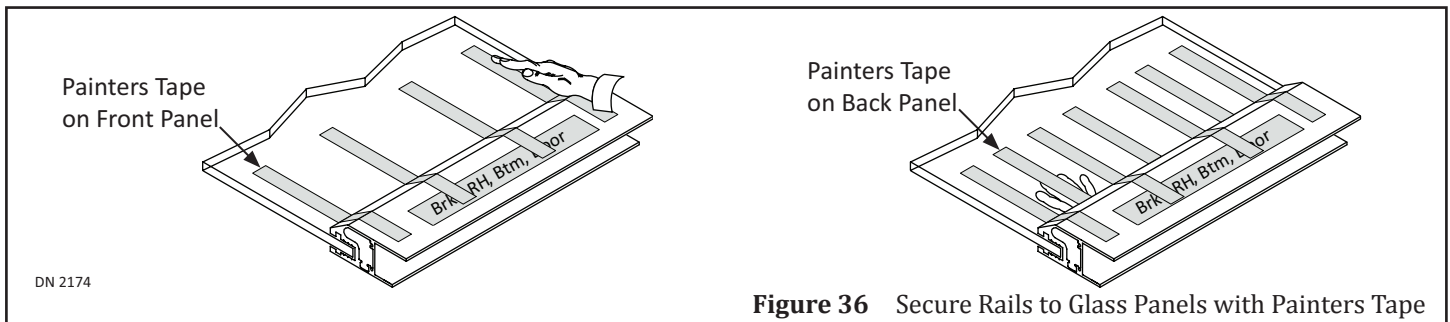
Figure 35 Adjust Rail until it is Flush with Edge of Glass Panels

1. Remove the Rail from the Glass Panel. Manually flip the Glass Panel over (180 degrees).
 - a. This will require 2 men, or an Industrial Manipulator.
2. Slide the Glass Panel into the Fixture (apparatus used to secure glass panels straight up while working).
 - a. Ensure the Breakout side of each Glass Panel is facing the installer.
3. With a Mallet, gently tap the opposite end of Rail until the other end is Flush to the appropriate side of the Glass Panel:
 - Sidelite Panels: Pivot side
 - Slide Door Panels: Strike side

14.2.9 Secure the Rails to the Glass Panel with Painters Tape

1. Manually flip the Glass Panel over (180 degrees).
 - a. This will require 2 men, or the use of an Industrial Manipulator.

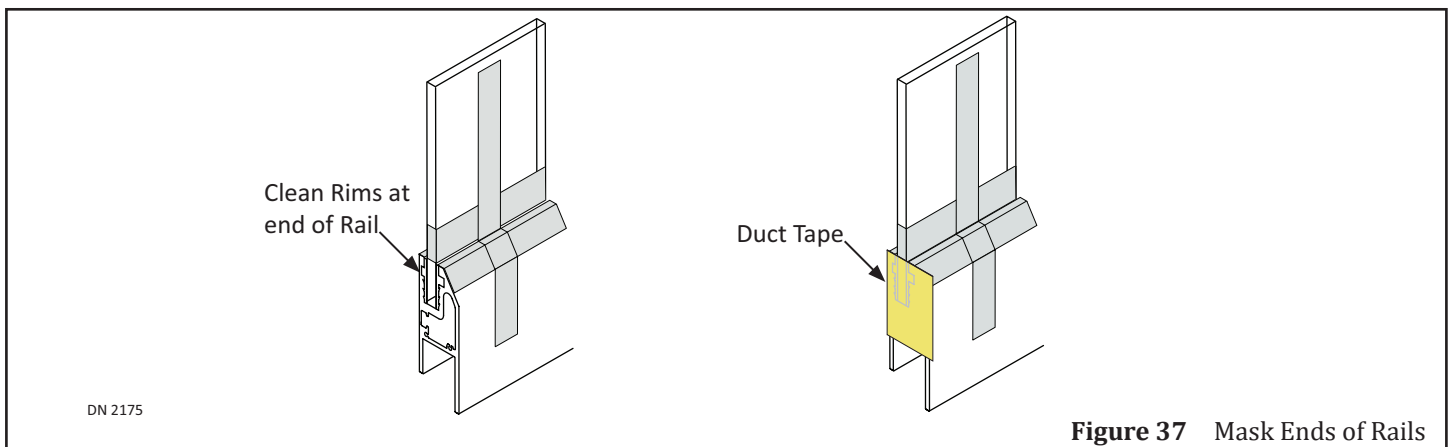
2. Orientate the Glass Panel so it is Front side up and the Tempered Glass logo is located at the bottom, pivot side.
3. Replace the Rails according to what was previously written on the Painters Tape (Fronts to Fronts).
4. Ensure the Rails are tight to plastic Spacers.
5. Adhere 12-16 inch long strips of Painters Tape onto each Rail and the Glass Panel; approximately 4-6 inches apart.
6. Press down onto the Painters Tape to create a proper seal.
7. Repeat for the other side of Glass Panel.
 - a. There is no need to manually flip the Glass Panel over again. The Painters Tape can be adhered to the underside of the Glass Panel by reaching underneath.



SECTION 14.3: Glaze the Glass Panels

14.3.1 Mask the Ends of Rails

1. Go to the End of each Rail. Clean the Rims with 99% rubbing alcohol.
 - a. Clean Rims 2x or more to ensure all grime has been removed.
 - b. Rims must be clean to ensure the Duct Tape will have a proper seal.
2. Adhere Duct Tape to the end of Rail Press the Duct Tape down, and around the end of Glass Panel to ensure a tight bond.
 - a. Use a finger to capture the profile of the glass, and indentations of the Rims.
 - b. A tight bond will ensure the Rockite will not leak through the edges.



14.3.2 Prep the Utensils

1. Obtain: (1) clean rag, (1) portable drill, (1) mixer attachment (agitator) for the drill, measuring cups, (1) small plastic pitcher to mix the Rockite, (1) large plastic pitcher with liquid measurements on the side, (1) funnel, (1) bottle with a funnel/nozzel cap used to squeeze the Rockite into Rail gutters, (1) squeeze bottle with water, and (1) bucket of water.
2. Place a filled bucket of water on the floor. Set aside with the clean rag.
 - a. The bucket of water is used to keep Rockite from solidifying onto the utensils.
3. Place the small, plastic pitcher used to mix the Rockite onto the scale.
4. Zero out the scale according to manufacturer instructions.
 - a. For example, press the Zero button and then press the TARE button.

5. Take the large, plastic pitcher with liquid measurements located on the side. With a dark colored marker, trace the embossed measurements, 100ml -thru- 200ml. This is done so the measurements can be seen clearly from a distance.
6. Attach the agitator to the portable drill.

14.3.3 Mix the Rockite

1. Go to the small, plastic pitcher located on the scale. Fill the pitcher with Rockite, according to the following formula:
 - ▶ For doors 38 inches wide and under: 0.78 lb/150ml
 - ▶ For doors over 38 inches wide: 1.25 lb/200ml
2. Close the plastic bag, and the Rockite container lid.
 - a. Rockite must stay dry at all times. Ensure to keep the container of Rockite covered when not in use.
3. Use the squeeze bottle to fill the large, plastic pitcher with:
 - ▶ 160ml water = For doors 38 inches wide and under.
 - ▶ 175ml water = for doors over 38 inches wide.
4. Hold the small, plastic pitcher in one place - on the floor - with two feet, while mixing the Rockite with a portable drill.
5. Pour increments of water into the large pitcher while mixing the Rockite. Mix until the water is gone and the consistency resembles a runny malt (takes about a minute or two).
6. Remove the agitator from the portable drill. Immediately dunk the agitator into the bucket of water.
7. Use a the funnel to pour the Rockite into the bottle that was reserved to pour the Rockite.
8. Immediately dunk the small, plastic pitcher (used to weigh the Rockite) and funnel into the bucket of water.

14.3.4 Fill the Rails with Rockite

Attention: Pour Rockite into all Rails at same time, so the "Cure" time is equal. Read manufacturer's instructions to obtain the correct "Cure" time.

1. Stand the Glass Panel assembly straight up. Ensure the Rails and Glass are parallel.

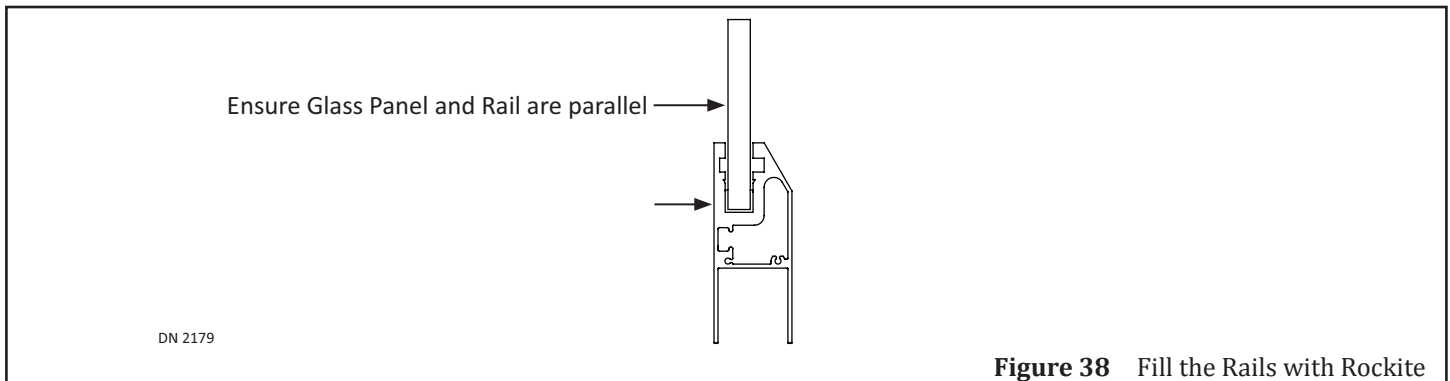


Figure 38 Fill the Rails with Rockite

2. Go to the Rail located at the bottom of the Glass Panel. Place the nozzle inside the Rail gutter.

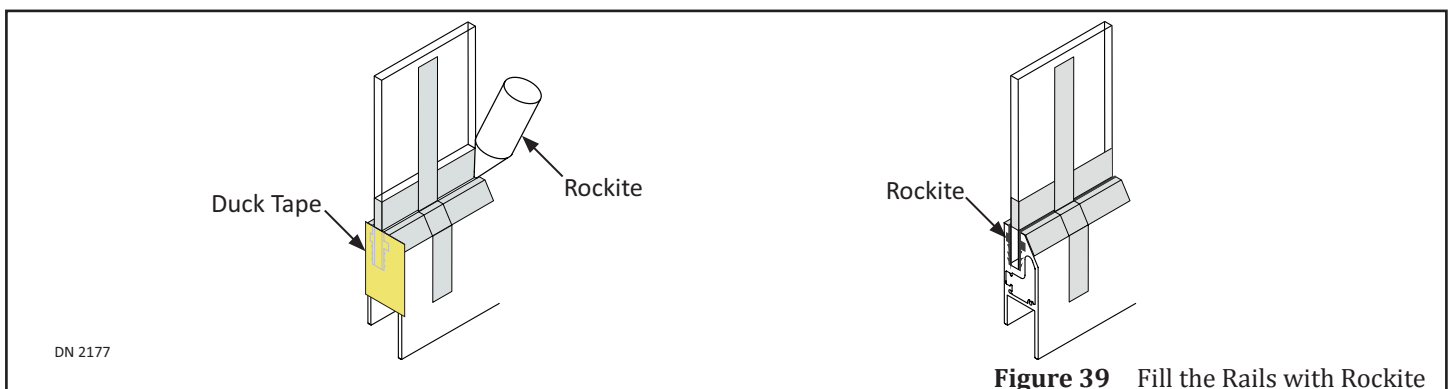


Figure 39 Fill the Rails with Rockite

3. Squeeze the bottle to pour the Rockite into the front side of the Rail gutter, in a back and forth motion.
 - a. The back and forth motion is done to keep the pour even.
 - b. The consistency of the Rockite allows for it to seep into the other side of the gutter and crevices within the Rail.
4. Continue to pour until the Rockite bubbles back up from the gutter, and an even line of Rockite can be seen.
5. Immediately remove the nozzle from the bottle. Dunk/agitate both the nozzle and bottle into the bucket of water until both items are thoroughly clean. Set aside.
6. Quickly, wet a rag with the same water. Wipe off excess Rockite from the Rail gutter and Painters Tape.
 - a. Leave a little Fillet of Rockite. The point is to clean the Painters Tape from residue. So when Rockite dries only the Painters Tape will be removed (not the Rockite itself).

14.3.5 Apply the Silicone

Attention: Do Not apply Silicone until the Rockite has “Cured”. Read manufacturer’s instructions to obtain the correct “Cure” time.

Only after the “Cure” time is complete, peel off all 12-16 inch, long strips of Painters Tape from the Glass Panel and Rail.

1. Pull the Rockite Mask (Painters Tape) from the Glass Panel and Rail, so the Silicone Mask (underneath) does not tear.
 - a. Pull the Painters Tape away from the Glass Panel and Rail so it does not fall back, and create marks.
 - b. Do Not peel off the lower layer of Painters Tape. That is the Silicone Mask.
2. Peel off the Duct Tape from both ends of the Rail.
3. Use a paintbrush to remove dust from the (1/8 inch to 1/4 inch) Gap. Ensure no slivers of Painters Tape exist.
4. Apply a bead of Black Silicone to fill the (1/8 inch to 1/4 inch) inch gap and completely cover the Rockite, on both sides of the Glass Panel.
5. Use an Index finger to wipe along the bead of Black Silicone, so it leaves a smooth edge.
 - a. If done correctly, the (1/8 inch to 1/4 inch) gap and Rockite will be evenly covered and the Fillet will be the about same width on both sides of the Glass Panel.

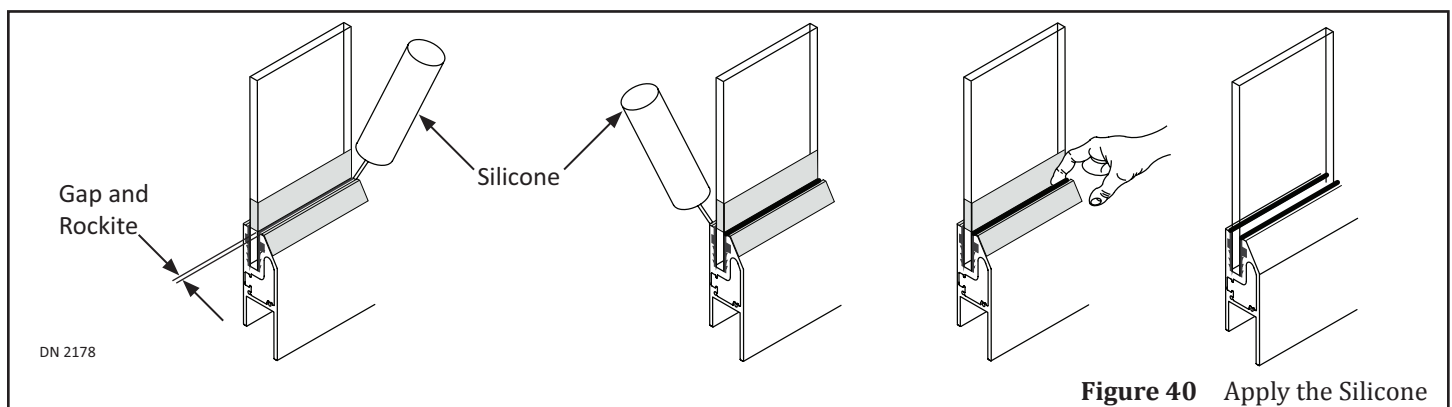


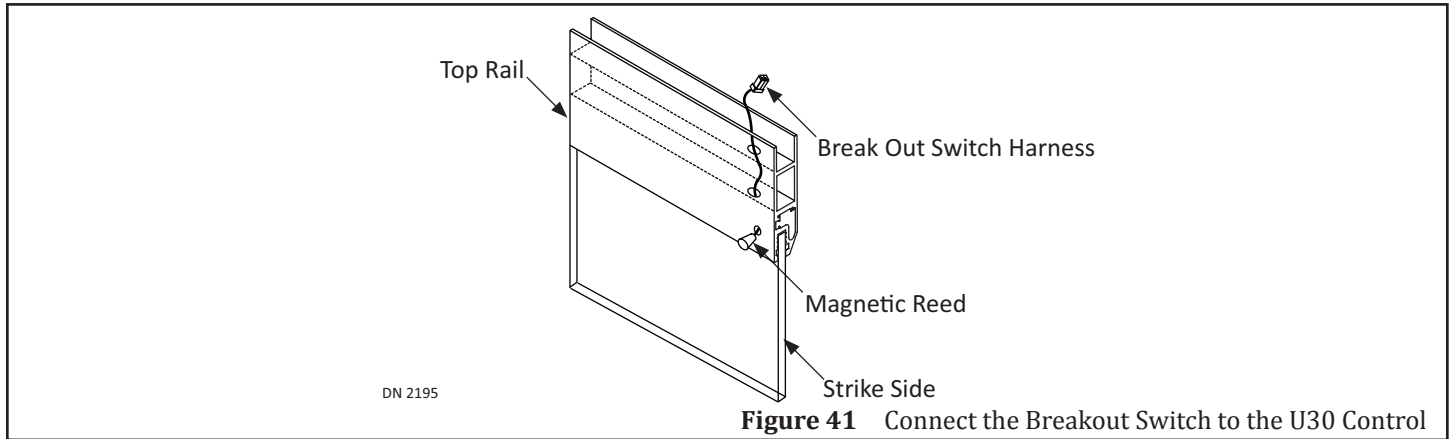
Figure 40 Apply the Silicone

6. Remove the Silicone Mask (Painters Tape) before the Silicone has a chance to dry.
 - a. Pull the Painters Tape away from the Glass Panel and Rail so it does not fall back, and create marks.

CHAPTER 15: INSTALL THE FIXED SIDELITE

SECTION 15.1: Wire the Breakout Switch

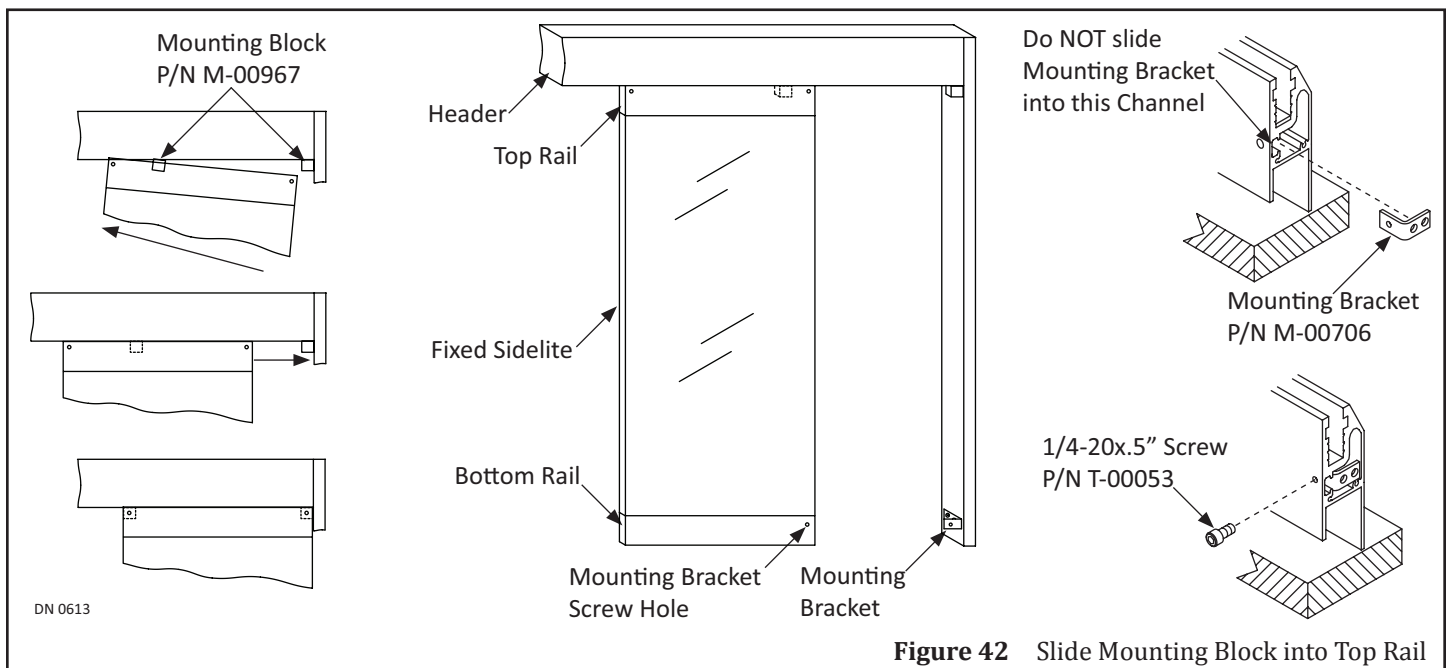
1. Go to the Pivot Side of Sidelite. Secure (1) End Cap to the Top Rail, and Bottom Rail, with 8-32 x 3/8 inch Screws.
2. Temporarily position the Sidelite Panel approximately where it is to be permanently installed so it will not fall over during the wiring process.
3. Go to the Strike side of the Top Rail. Locate the Breakout Switch Harness.
4. Connect the Breakout Switch Harness to the Extension Harness, that is connected to the U30 Control Harness, located inside the Header.



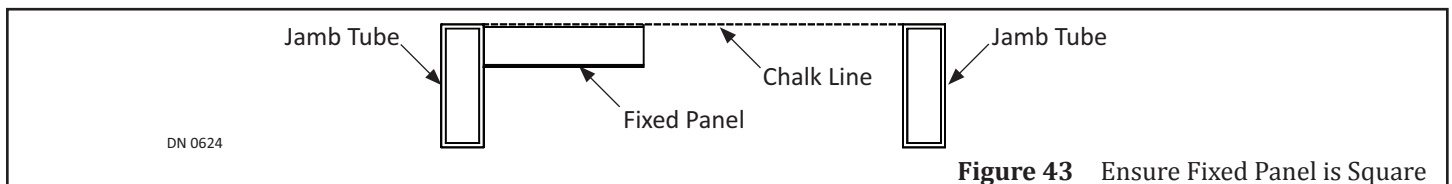
SECTION 15.2: Secure the Sidelite Panel to the Door Frame

Attention: It is recommended to use more than (1) installer to lift and move Glass Panels during installation.

1. Go to bottom of Header. Locate (2) NABCO Factory installed Mounting Blocks.
2. Slide the Sidelite Panel onto the first Mounting Block.
 - a. Ensure the wires for the Breakout Switch Harness, are NOT pinched.
3. Align the Bottom Rail to the Mounting Bracket that is secured to the Jamb Tube.
4. Continue to slide the Sidelite Panel onto the second Mounting Block until the Mounting Bracket is inserted inside the Bottom Rail.
5. Butt the Mounting Bracket against the inside face of the Bottom Rail (facing the Exterior side of Opening).



6. Go in front of the Sidelite Panel. Snap a chalk line between both Jamb tubes. If the Sidelite Panel runs parallel to the chalk line it is square. Make adjustments if not square.



7. With a 1/4" Drill Bit, mark and drill (1) screw hole into each Mounting Block.
8. Secure the Sidelite Panel onto (2) Mounting Blocks and (1) Mounting Bracket with a 1/4 - 20 x 1/2 inch screws.
9. Secure the Top End Cap with 8-32 x 3/8 inch Screws.

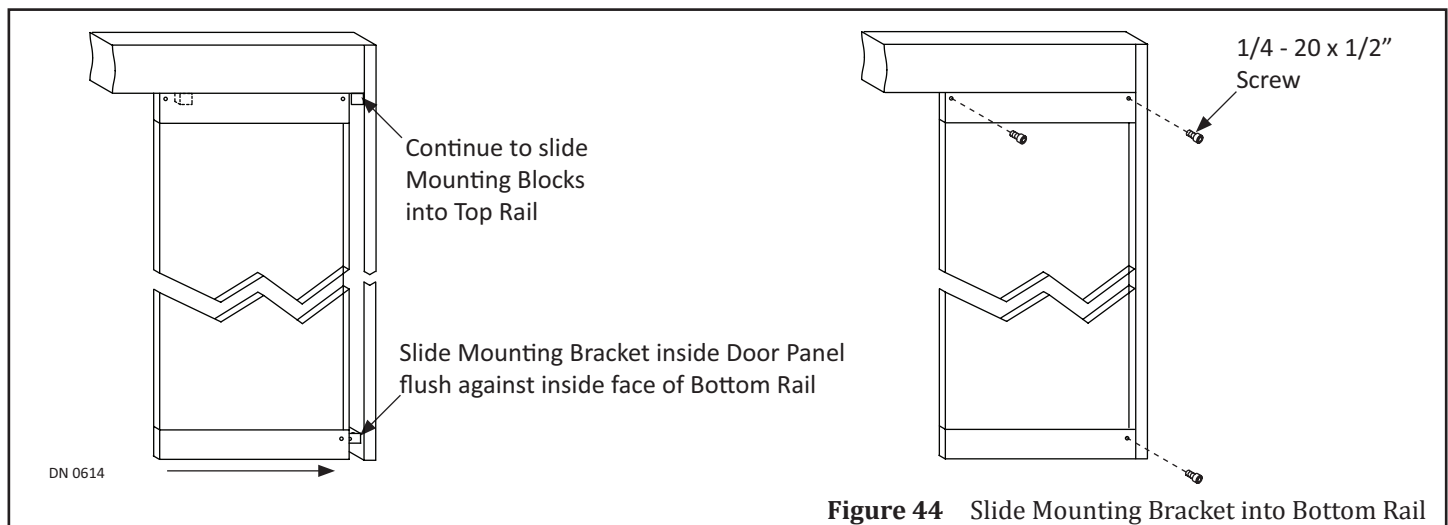


Figure 44 Slide Mounting Bracket into Bottom Rail

SECTION 15.3: Install the Bottom Guide Assembly

1. Obtain the Bottom Guide that was provided within the Parts Box.
 - a. For Bi-Part Slide doors, a Left Hand and a Right Hand Bottom Guide will be provided. Be sure to select the Bottom Guide that corresponds to the right side or the left side of door.
2. Slide the two rollers located on the Bracket, into the Bottom rail.
 - a. If done correctly, the Bracket will stick out from underneath the Fixed Sidelite in direction of where the Slide door will be installed.
3. Slide the rollers through Bottom Rail towards the Pivot side of the Sidelite.

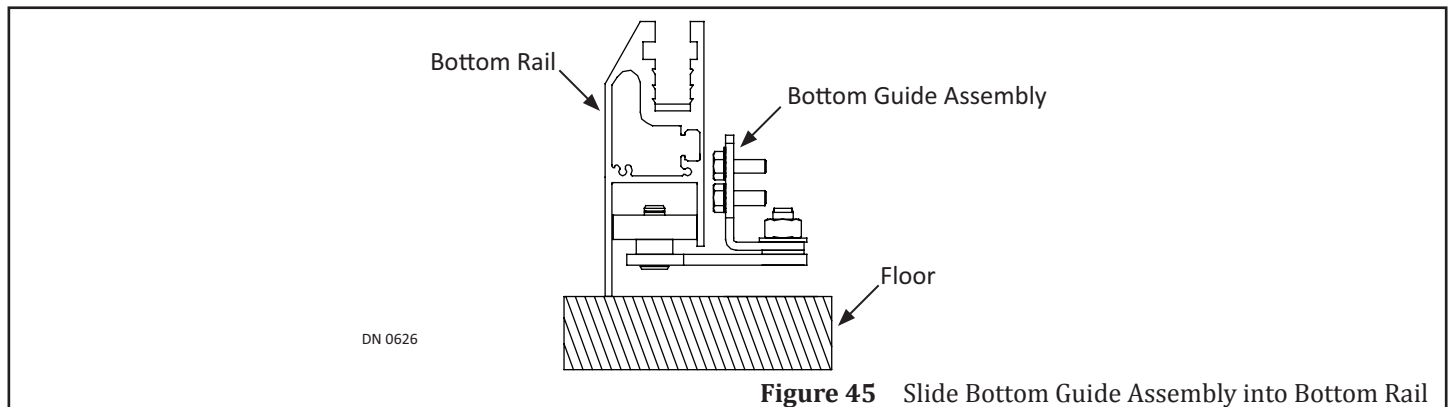


Figure 45 Slide Bottom Guide Assembly into Bottom Rail

SECTION 15.4: Install the Bottom Bracket

1. Insert (1) Bottom Bracket into the Bottom Rail so the bottom plate sticks out from underneath the Fixed Sidelite in direction of where the Slide door will be installed.
 - a. Ensure the upper Plate is flush to the Strike side of the Bottom Rail.
2. Ensure the Fixed Sidelite is still parallel to the chalk line so it remains square.
 - a. If the Fixed Sidelite is not parallel, make necessary adjustments until it is parallel to the chalk line.
3. Use the Bottom Bracket as a template to mark (2) screw holes onto the floor.
4. Remove the Bottom Bracket.
5. With a 5/16 inch Masonry Drill Bit, drill (2) anchor holes into floor at least 2 inches deep.
6. Replace the Bottom Bracket.

7. Secure the Bottom Bracket to floor with (2) #14 x 2 inch Flat Head screws.
8. Secure the Top and Bottom End Caps back onto the Strike Side of Rails, with 8-32 x 3/8 inch Screws.

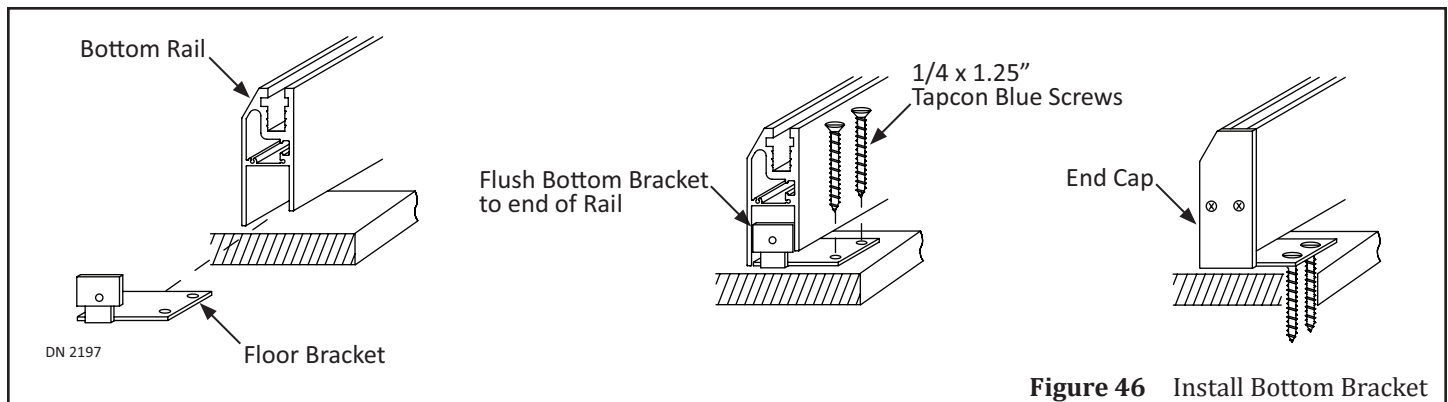


Figure 46 Install Bottom Bracket

CHAPTER 16: INSTALL THE SLIDE DOOR

SECTION 16.1: Secure Carrier to the Top Rail

1. Obtain the Carrier that was shipped in a separate box from the NABCO Factory.
2. Go to the Pivot Assembly located underneath the Carrier:
 - a. The Pivot Assembly consists of (2) Brackets connected to each other by (1) Hinge.
 - b. The Top Bracket was preinstalled to the Carrier at the NABCO Factory.
3. Swing open the Bottom Bracket from the Top Bracket.
4. Remove the Limit Arm, (5) Screws, and (4) Washers from the Bottom Bracket. Set aside.
5. Insert the Hinge into the predrilled hole located on the Pivot side of Rail.
 - a. If done correctly, the Bottom Bracket will properly seat itself inside the Top Rail.
6. Secure the Bottom Bracket to the Carrier with the (5) Screws, and (4) Washers that were set aside.
7. Place (2) Washers underneath the Limit Arm, then secure the Limit Arm Assembly to the Bottom Bracket with (1) 7/16-14 x 1" Screw.

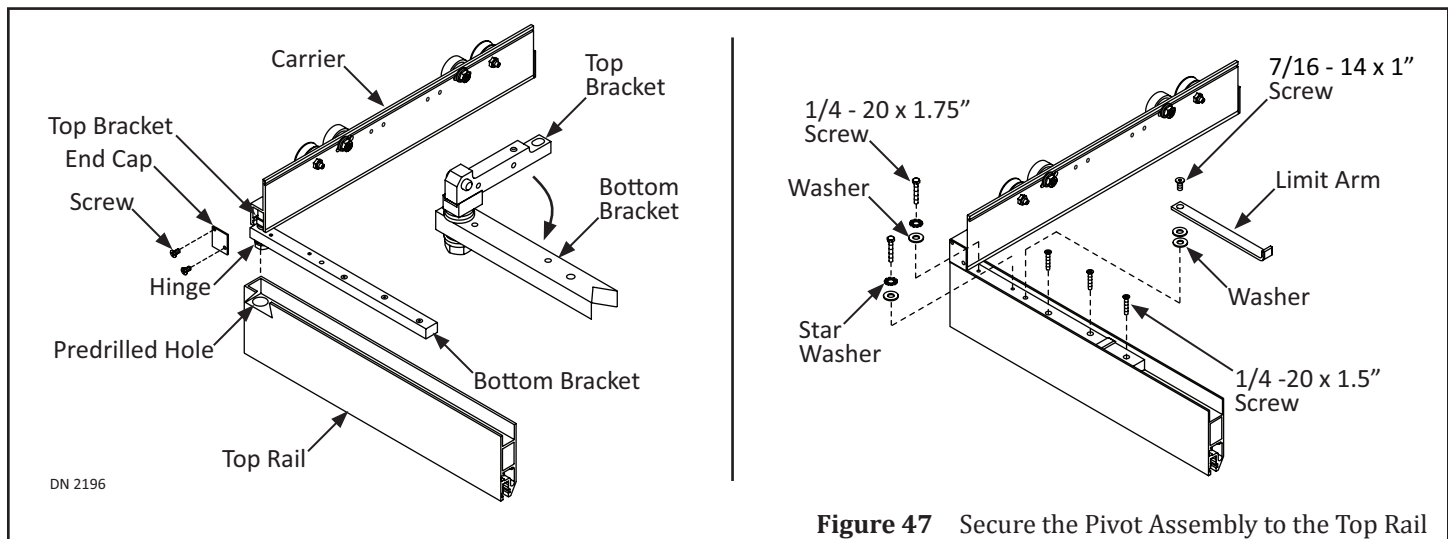


Figure 47 Secure the Pivot Assembly to the Top Rail

16.1.1 Loosen Rollers from Carrier

CAUTION

Do not rotate the Roller Axle counter-clockwise. Doing so will unthread the Axle from the Roller Assembly.

1. Insert (1) 7/32" Allen wrench into the exposed end of a Roller Axle. Hold the 7/32 inch Allen wrench in place to keep the Roller Axle stationary. At the same time, loosen (1) 7/16-20 Whiz Lock nut with a 15/16 inch Open End Wrench.

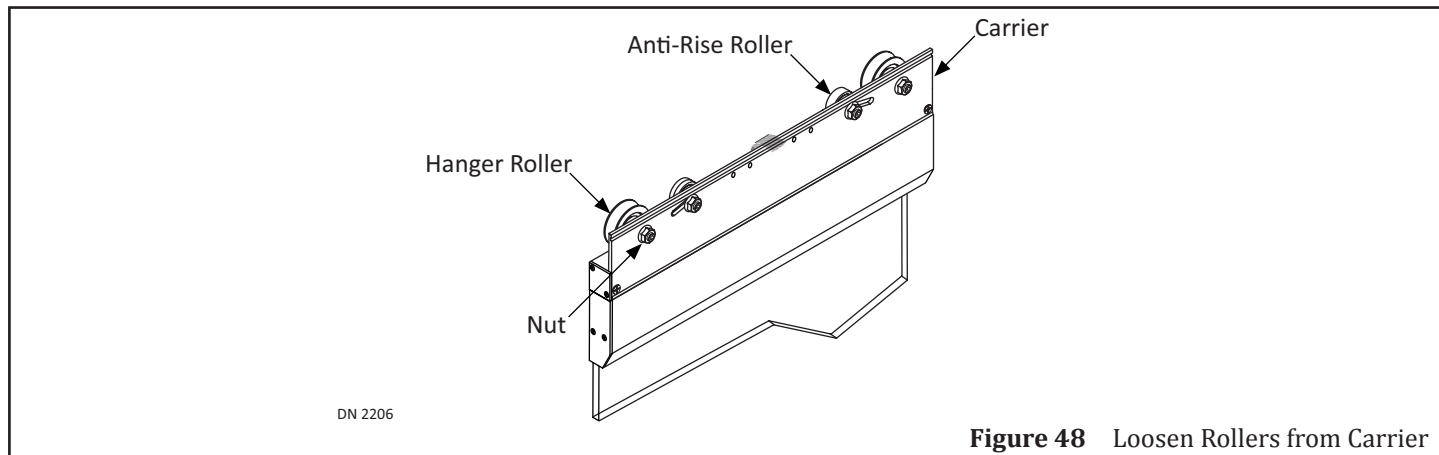


Figure 48 Loosen Rollers from Carrier

16.1.2 Hang Slide Door onto Track

1. Cover the Sidelite Panel with cardboard on the side that will face the Slide door.
2. To make it easier for rollers to "catch onto the track", slightly tilt and lift the Slide Door into the Header, and onto the Track.

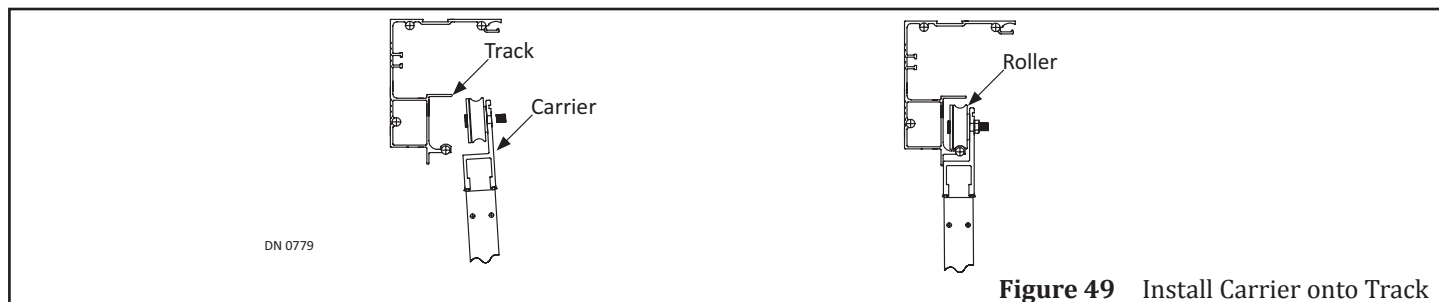


Figure 49 Install Carrier onto Track

SECTION 16.2: Secure Belt Clips to Carrier

CAUTION

Do not test Breakout until all adjustments are made and doors are secured.

1. Secure each Belt Clip to the Carrier with (2) 1/4"-20 x 3/4 inch Whiz-Lock screws.

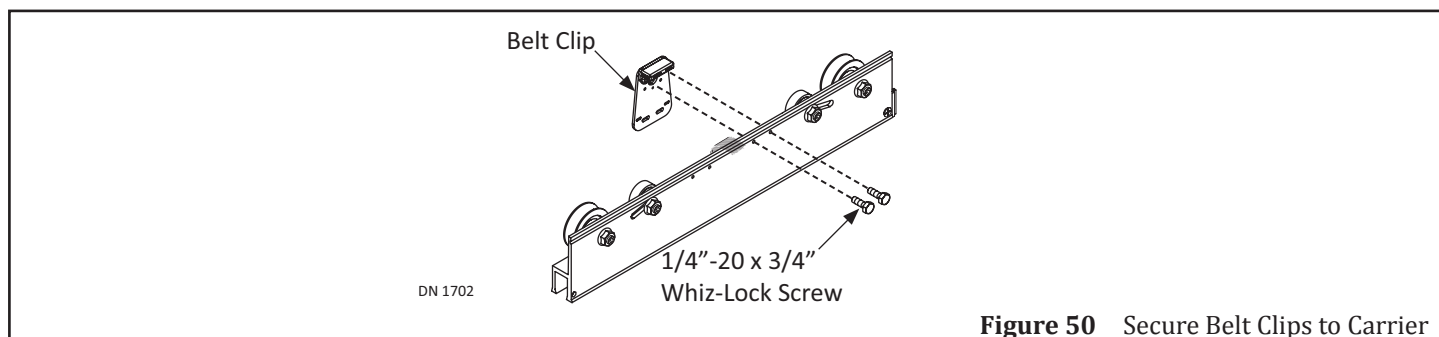
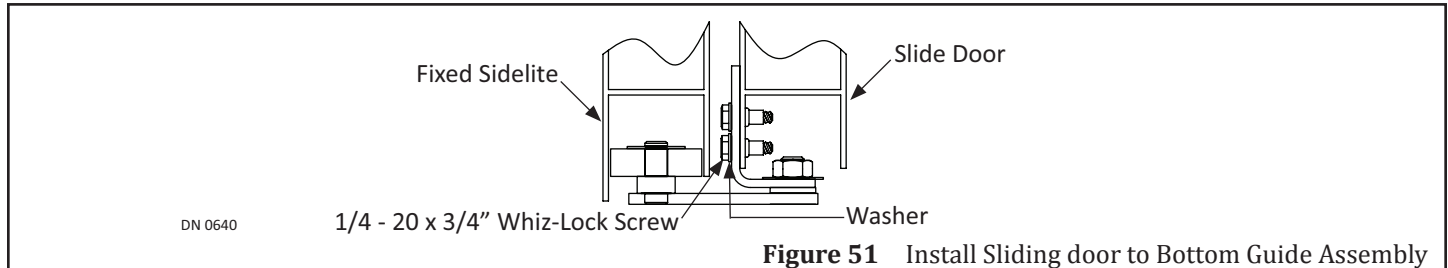


Figure 50 Secure Belt Clips to Carrier

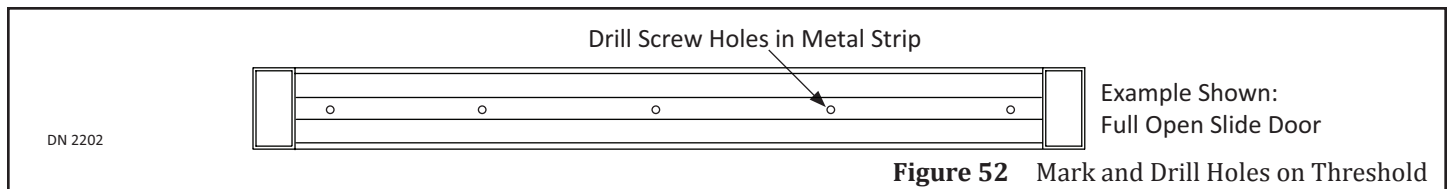
SECTION 16.3: Install the Bottom Guide

1. Go to the Bottom Rail on the Fixed Sidelite. Locate the Bracket that should be sticking out from underneath.
2. Slide the Pivot Stile (on Slide Door) onto the Bracket.
3. Support the weight of the Fixed Sidelite. Breakout the Slide door to Full Open position.
4. Secure the Bracket to the Pivot Stile with (2) 1/4 - 20 x 3/4 inch Whiz-Lock screws.

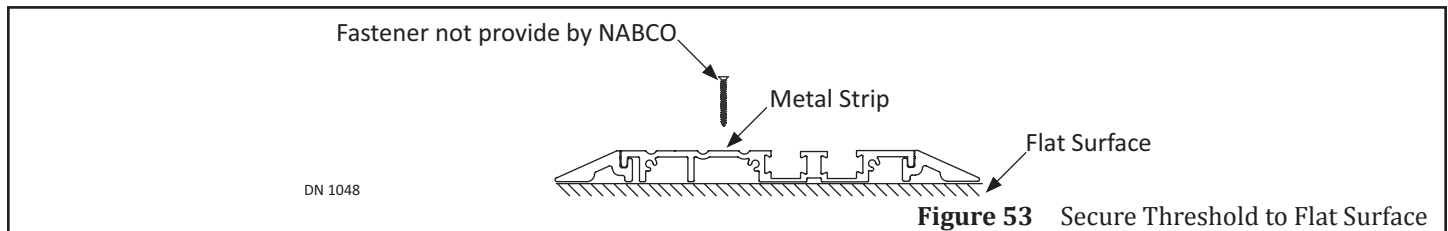


CHAPTER 17: PERMANENTLY INSTALL THE THRESHOLD

1. Go to each end of Threshold. Mark (1) drill hole approximately 4" from each edge.
2. Mark remaining drill holes to be evenly spaced.



3. With a 1/4 inch masonry drill bit, drill through the Threshold and into the floor no less than 1-1/2 inch deep.
4. Secure the Threshold with Fasteners not provided by NABCO.



SECTION 17.1: Threshold Maintenance

1. Check for wear of Bottom Guide Roller and Bumpers inserted within Threshold Channels.
2. Listen for squeaking/grinding noise.
3. Look for dirt/debris/excessive build-up. If dirt/debris/excessive build-up is found.
 1. Vacuum to remove loose material.
 2. Wipe off the Threshold.
 3. Use (1) slotted Screw Driver to remove dirt/debris and/or excessive build-up located within Threshold Channels.
4. Inspect weekly and daily during winter as snow and ice can build up.

CHAPTER 18: 110 VAC GENERAL WIRING

DANGER

Read and understand the “U30 Controller Setup and Programming Manual” P/N 15-9000; and the “Electrical Installation Manual U30 Control” P/N 15-10596-30 before attempting to powerup the GT1175 Slide Door. Failure to do so may result in damage to the Slide door and/or injury to the installer and will nullify all warranties.

DANGER

Disconnect power to the junction box prior to making any electrical connections. Failure to do so may result in serious personal or fatal injury. When uncertain whether power supply is disconnected, always verify using a voltmeter.

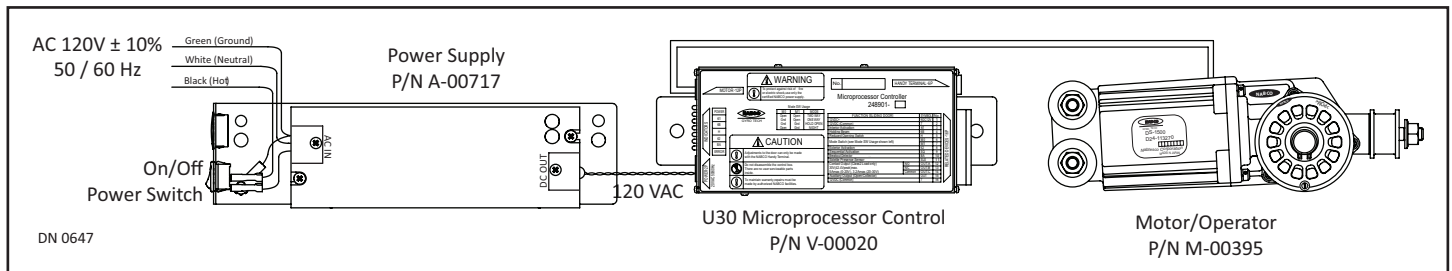
Notice: Wiring must meet all local, state, federal or other governing agency codes.

Attention: Electrical circuit to Nabco operator must not be shared with other equipment such as lighting, cash registers, or any device that might cause electrical interference on the circuit.

1. Ensure all power is disconnected at the Junction box and the 1175 Slide Door.
2. Determine correct supply voltage is 115 VAC ± 10%.
3. Insert all incoming 120VAC power wires into the access hole located on Jamb Tube. It is recommended to house all wires into an Electrical Conduit.

CAUTION

Keep all incoming 120 VAC wiring separate from low voltage wiring within Header. Do not route 120 VAC wires near the U30 Microprocessor Controller and Motor/Operator.



4. Go to the TB1 Port located on the Left side of the Power Supply Module.
5. Insert the Incoming 120 VAC Black (HOT) wire into the Circuit marked “L”.
6. Insert the Incoming 120 VAC White (Neutral) wire into the Circuit marked “N”.
7. Insert Green (Grounding) wire into the Circuit marked “PE”.
8. Ensure the Slide door system is Grounded for safe and consistent operation.

CHAPTER 19: WEATHERING

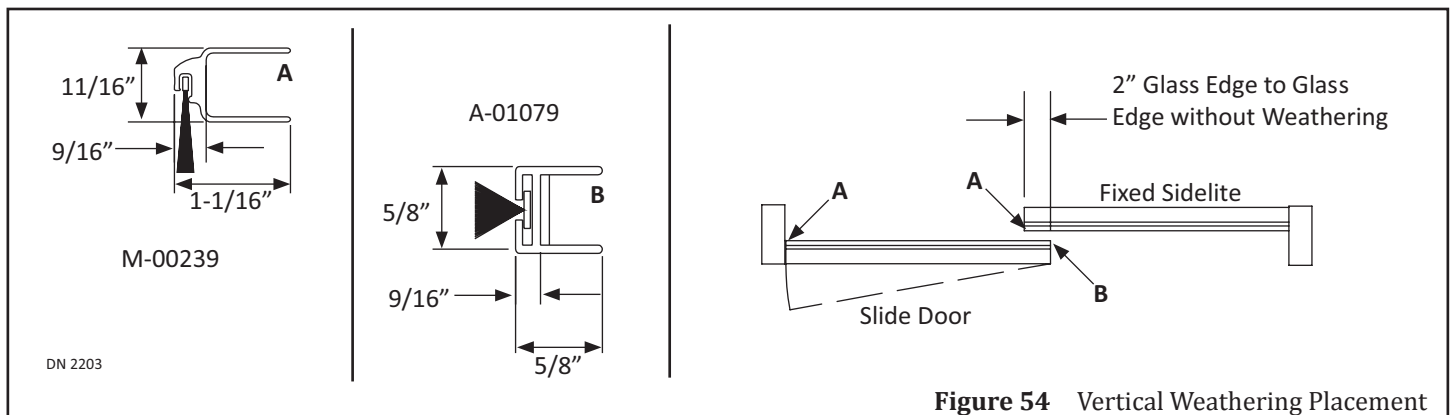


Figure 54 Vertical Weathering Placement

SECTION 19.1: Vertical Placement

19.1.1 Fixed Sidelite

1. Obtain the Weathering (A).
2. Go to the Strike side of the Slide door. Measure between the Top/Bottom Rails.
3. Cut the Weathering to that measurement.
4. Clamp the Weathering onto the Strike Edge of the Glass Panel.

19.1.2 Slide Door

1. Obtain Weathering (B).
2. Go to the Strike side of the Slide door. Measure between the Top/Bottom Rails.
3. Cut the Weathering to that measurement.
4. Remove the protection film from the double face Tape.
5. Clamp the Weathering onto the Strike Edge of the Glass Panel.
6. Press down onto the outside edge of the Weathering to create a proper seal.

SECTION 19.2: Horizontal Placement

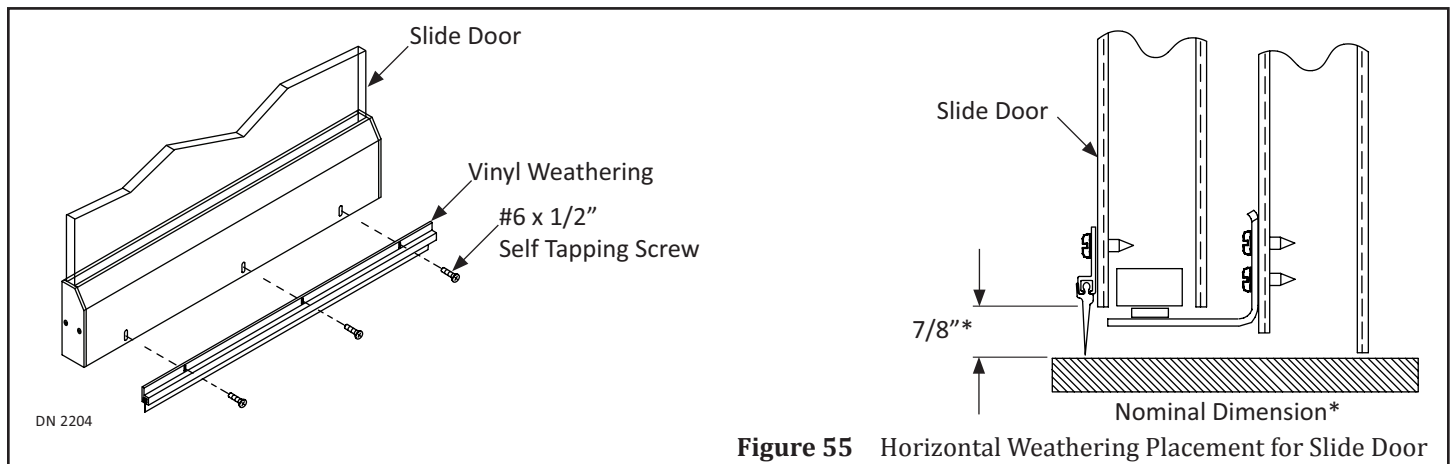


Figure 55 Horizontal Weathering Placement for Slide Door

1. Secure the Brush Holder to the Bottom Rail of Slide door with (3) #6 x 1/2 inch self tap screws.

SECTION 19.3: Caulk around Door Frame

1. Ensure the entire Door Frame is properly secured to the Rough Opening.
2. Apply caulking bead between the Door Frame and Rough Opening (inside and outside).
3. Apply caulking bead to the Threshold at the bottom of Door Frame.

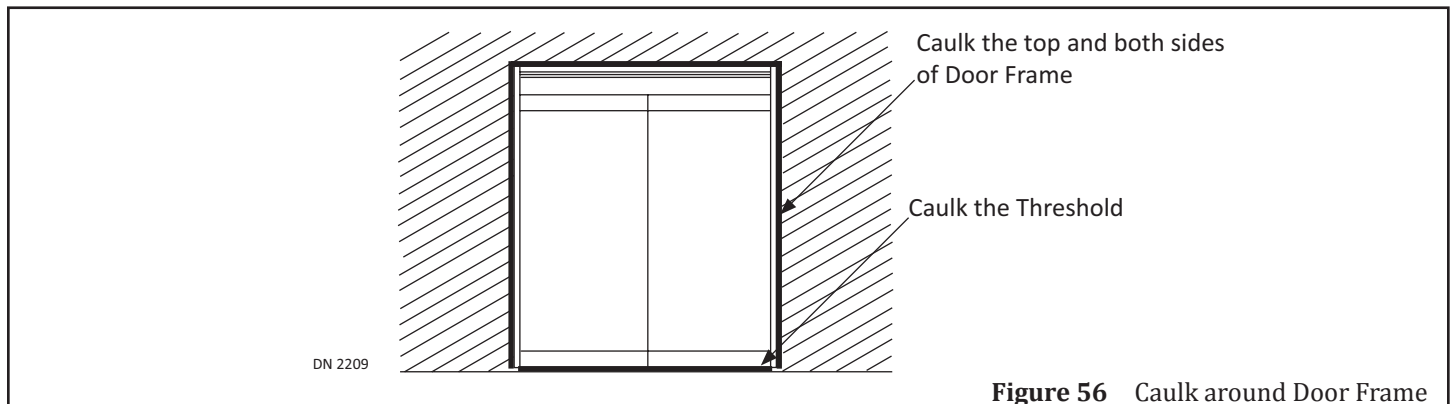


Figure 56 Caulk around Door Frame

CHAPTER 20: COMPLETE TRANSOM GLAZING

CAUTION

Use caution when moving and installing the glass panels. These panels are constructed with tempered glass. Any sharp objects that come in contact with the glass may cause the glass to craze. NABCO Entrances, Inc. is not responsible for broken glass.

Attention: Per Chapter 24 of the International Building Code (IBC), all glass must comply with ANSI Standard Z97.1 (Glass and Settings Blocks are not provided by NABCO).

Note: Cross-Blocking helps direct glass weight away from the strike edge of the door, to prevent sagging and possibly dragging on the floor or threshold.

SECTION 20.1: Complete the Transom Installation for 3/8" thru 1" Glass Panels

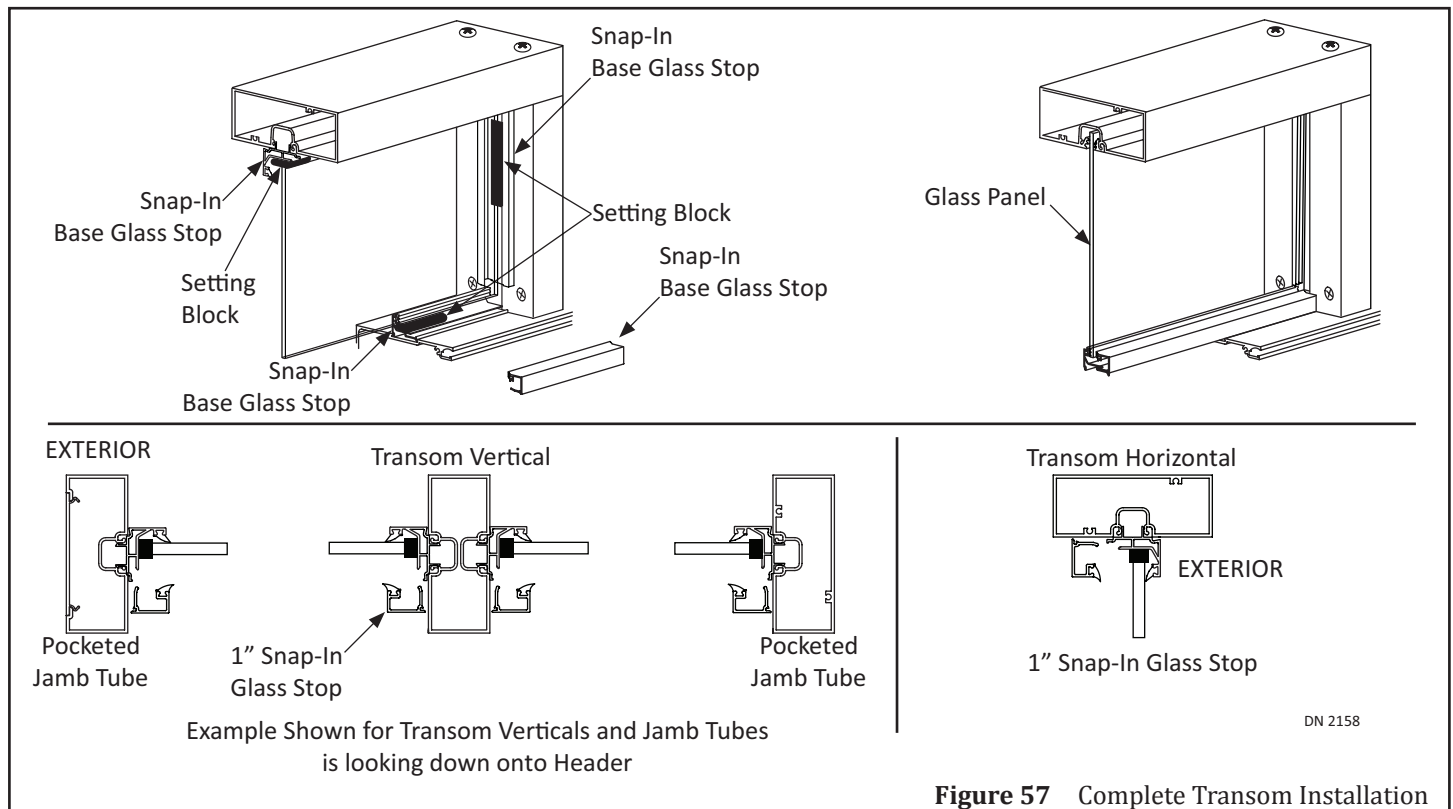


Figure 57 Complete Transom Installation

1. Place (1) Setting Block (not provided by NABCO) on top of the Base Glass Stops.
2. Place the Glass Panel on top of the Setting Blocks; against the Vinyl. Shift the Glass Panel until it is square.
3. Secure the Glass Panel with Snap-In Glass Stops (Provided by Nabco).

SECTION 20.2: Complete the Transom for 1/4 inch Glass Panels (Flush Glazing)

1. Place the Glass Panel so it butts up against the Vinyl.
2. Carefully move the Glass Panel UP into the pocket of the Transom Horizontal.
3. Shift the Glass Panel in and out of the pockets until it is square.
 - a. Pockets within the Transoms are deep enough to allow the Glass Panel to be shifted for proper alignment.
4. Place Setting Blocks onto the Base Glass Stops near Jamb Tubes for proper weight distribution.
5. Secure the Glass Panel with Snap-In Glass Stops.
6. Roll or press the remaining Vinyl within the Transom Horizontal and Transom Verticals.
 - a. Using a Roller, or keeping the vinyl wet with plain or soapy water, can make vinyl installation easier.

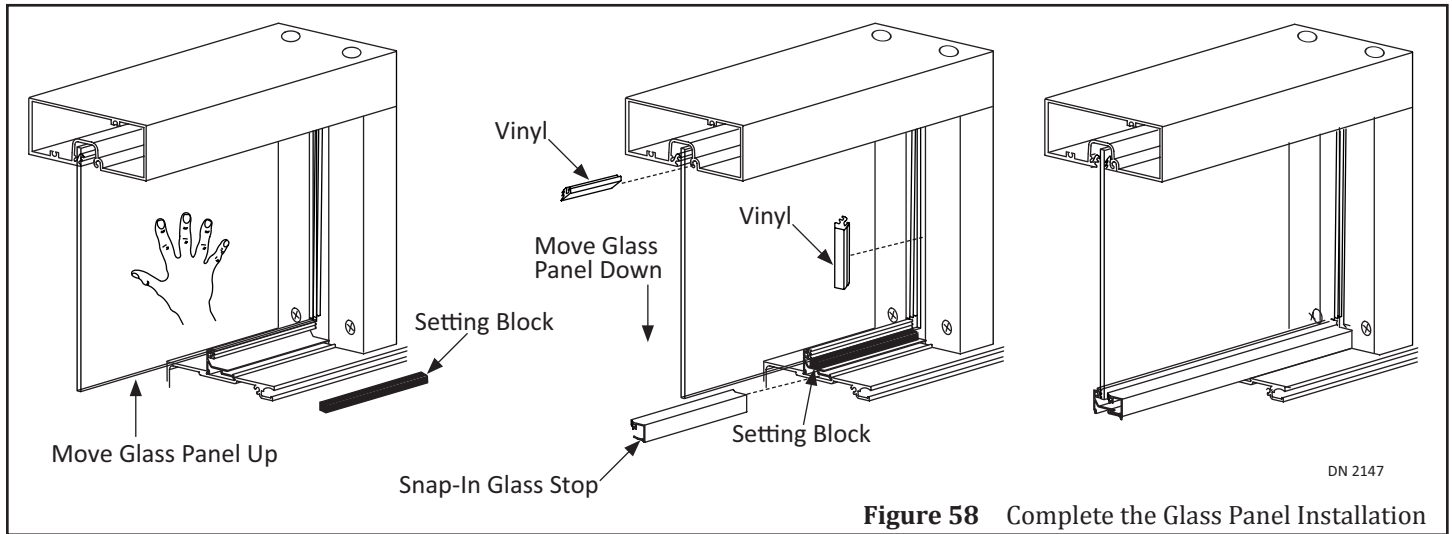


Figure 58 Complete the Glass Panel Installation

CHAPTER 21: ADJUSTMENTS

SECTION 21.1: Adjust Anti Rise Rollers

1. Loosen (2) Anti-Rise Rollers located towards the middle of the Carrier.
2. Slide the Anti-Rise Roller up or down within the slot until there is 1/64 inch to 1/32 inch gap between the Roller Wheel and the Top Track. The Gap should be about the same thickness as a credit card.
3. Tighten the 7/16-20 Whizlock nuts. Do not overtighten.

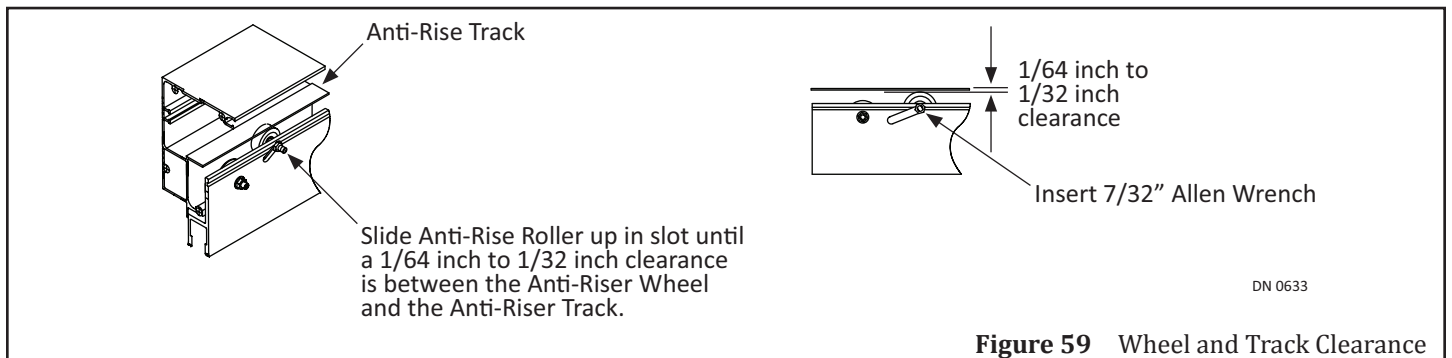


Figure 59 Wheel and Track Clearance

SECTION 21.2: Adjust Hanger Rollers

1. Insert (1) 7/32" Allen wrench into the exposed end of a Roller Axle. Hold the 7/32 inch Allen wrench in place to keep the Roller Axle stationary.
2. Raise or lower the Slide door by turning the Axle clockwise with a 15/16" Open End Wrench.
 - a. The nominal gap between the Bottom Rail and Floor is 5/16 inch.

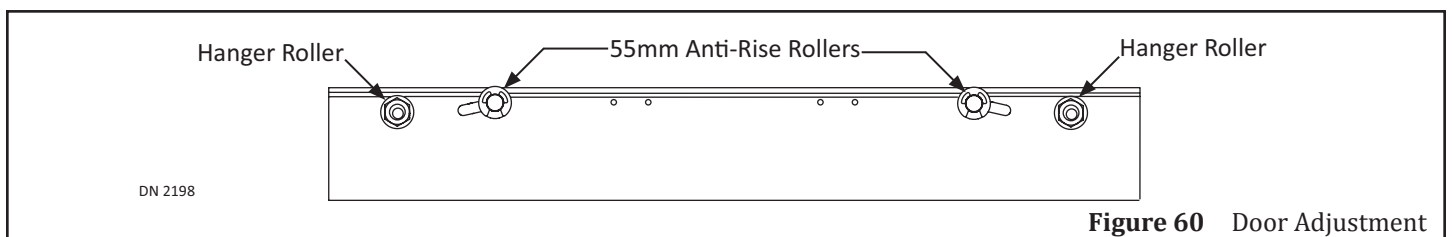


Figure 60 Door Adjustment

3. Ensure the Leading Edge of the Slide door and Header are parallel.
4. Tighten the 7/16-20 Whizlock nuts.

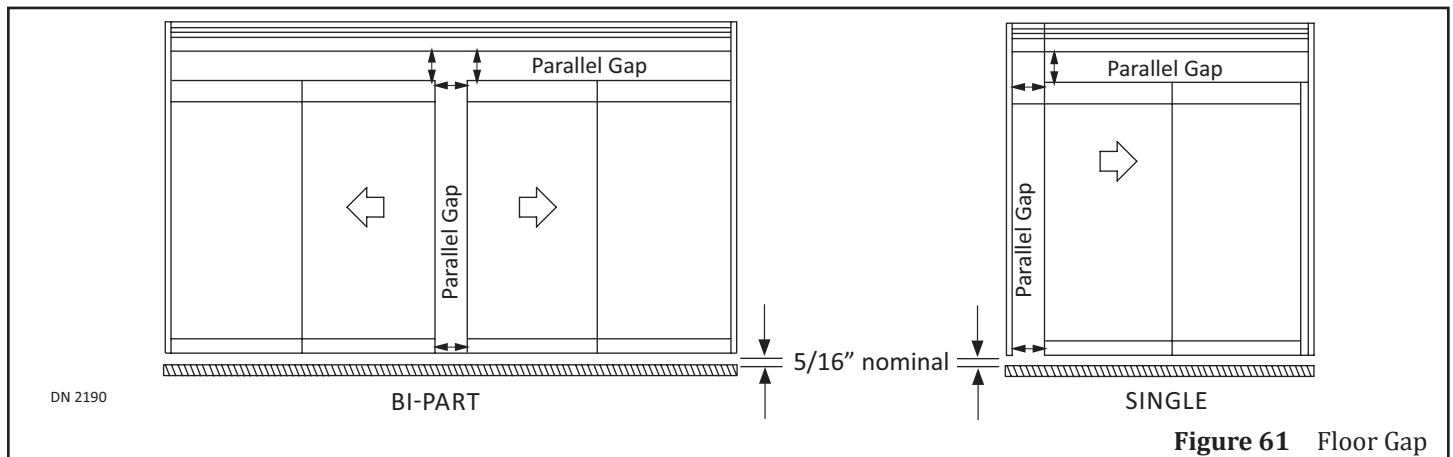


Figure 61 Floor Gap

SECTION 21.3: Adjust the Ball Plunger

1. Breakout the Slide door. Go inside the Top Rail (closest to the Strike Stile). Remove the Panic Catch Assembly.

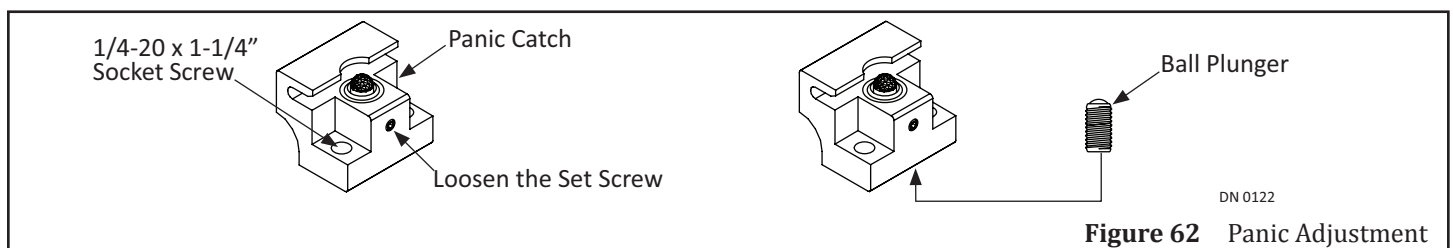


Figure 62 Panic Adjustment

2. Loosen the Set screw that is located in front of the Panic Catch.
3. Go underneath the Panic Catch. Raise or lower the Ball Plunger to adjust the engagement.
 - a. The Ball Plunger must be adjusted for proper breakout resistance to meet ANSI A156.10 code and/or local code.
 - b. Use minimal engagement if Panic Hardware is used.
4. Tighten the Set screw.
5. Secure the Panic Catch Assembly inside the Top Rail with (2) 1/4-20 x 1-1/4 inch Socket Head screws.

SECTION 21.4: Adjust Preload

1. Breakout the Slide door approximately 5 degrees (just enough to expose the Preload Adjustment Screw located on back edge of door). Check for door sag.

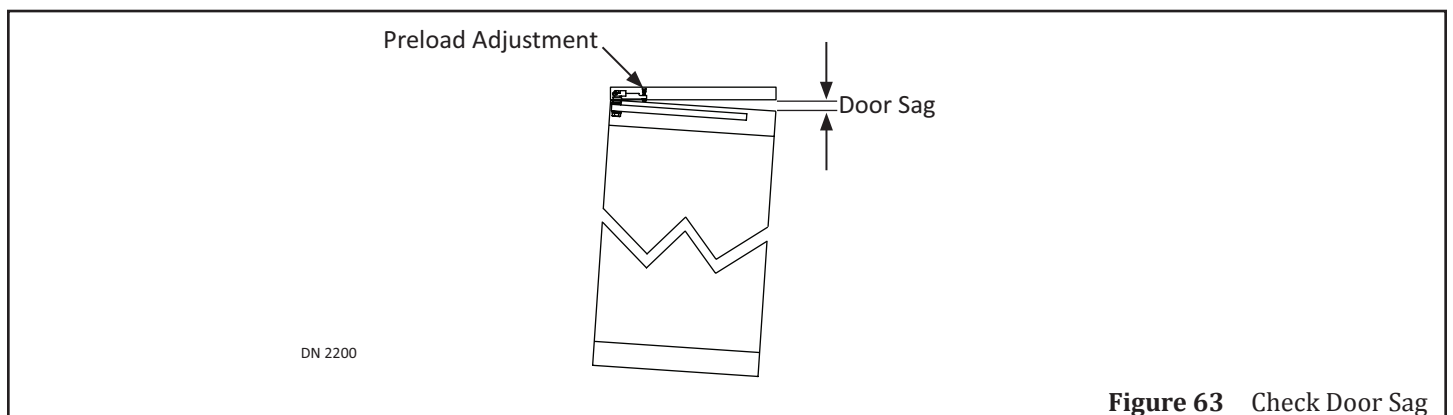
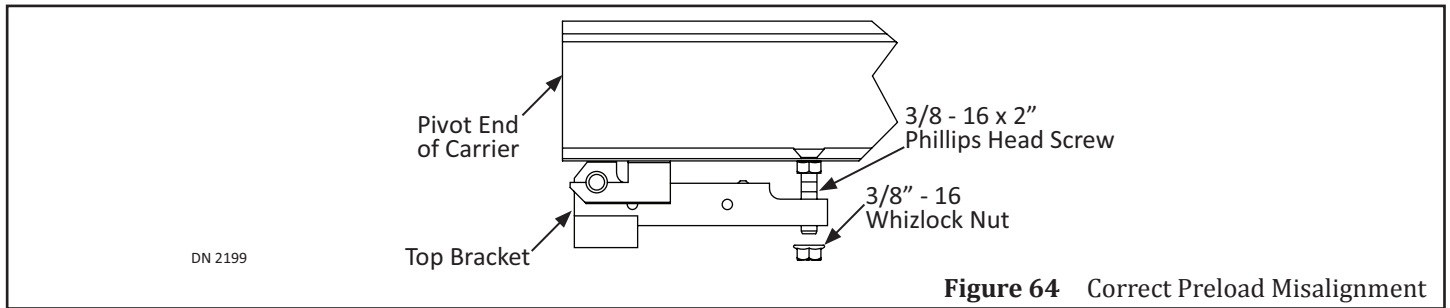
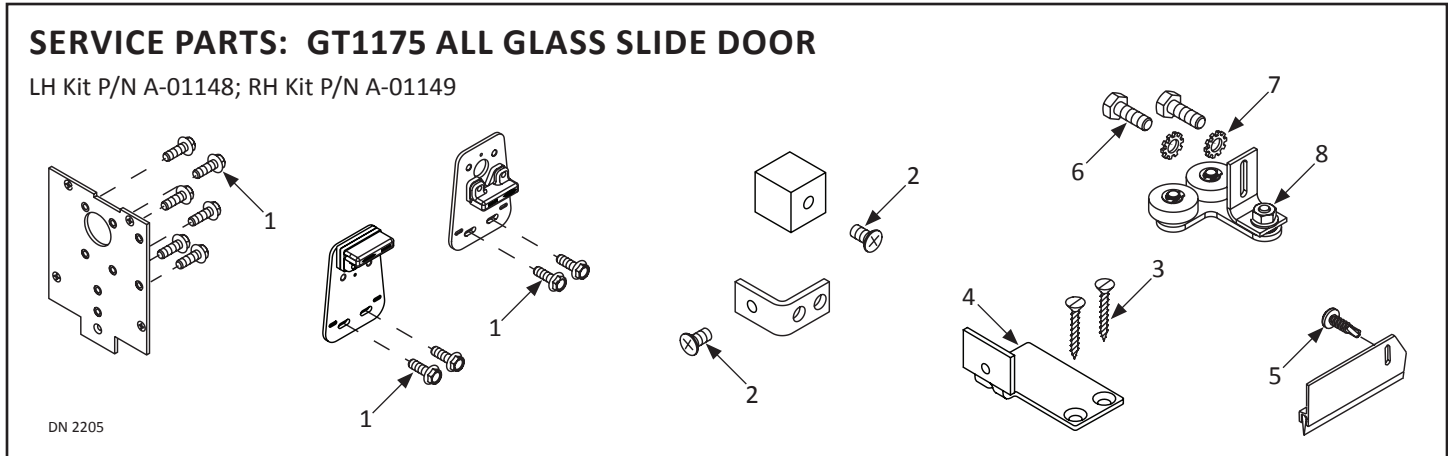


Figure 63 Check Door Sag

2. Support the weight of Slide Door.
3. Go underneath the Carrier. With a 3/16" Allen Wrench, remove (1) 3/8"-16 Whizlock Nut.
4. Go to the top of Carrier. Loosen (1) 3/8"-16 Whizlock Nut.

- 5. Turn (1) 3/8 - 16 x 2 inch Phillips Head Screw counterclockwise/clockwise until proper Preload has been adusted.
- 6. Tighten both 3/8"-16 Whizlock Nuts.

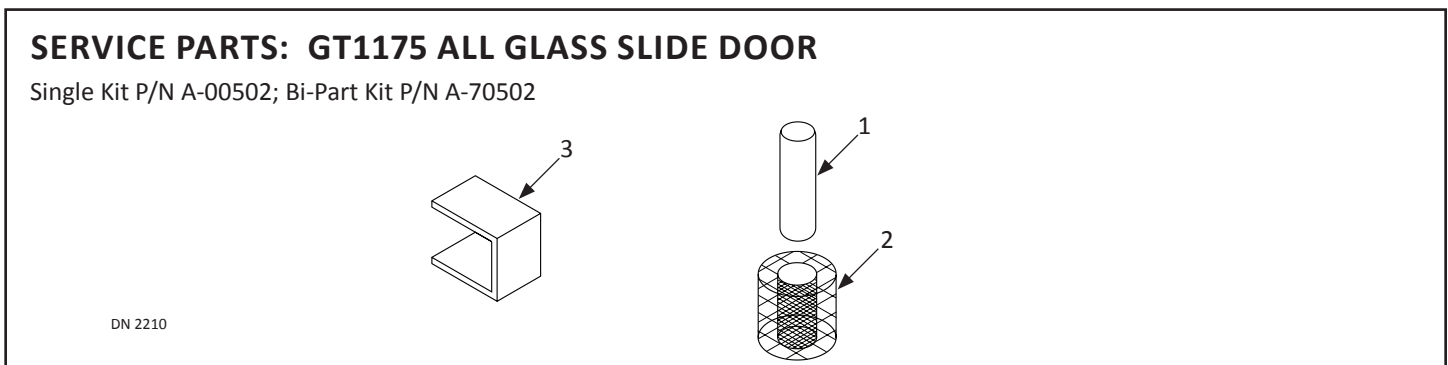




Parts Kit: RH P/N A-01149; LH P/N A-01148

Item	Part	Note	Description	QTY	Used To
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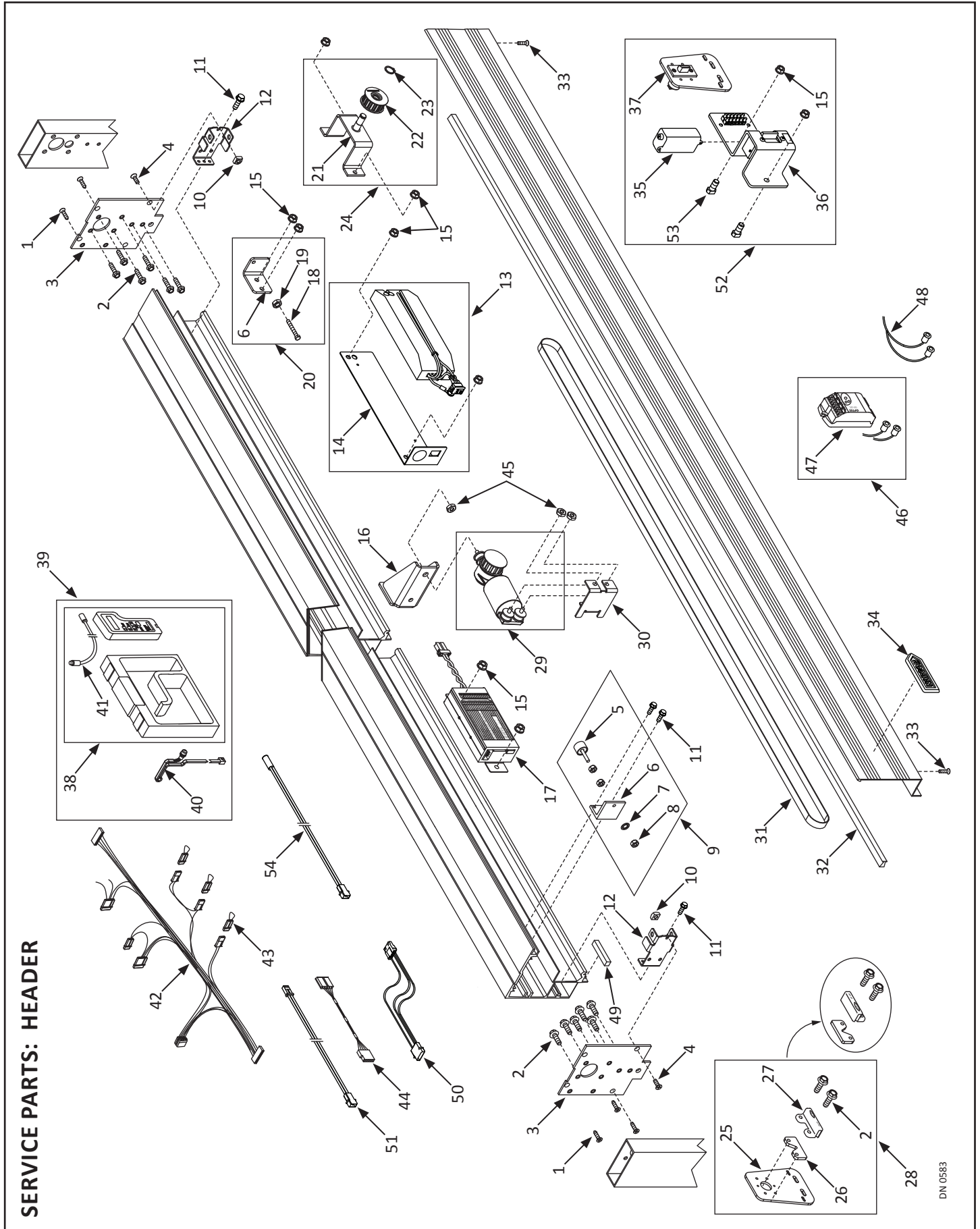
1	T-00010		HHCS,1/4-20x0.750L.,WHIZLOCK,ZINC	2	Secure Belt Bracket to Carrier on top of Slide Door
				12	Secure Header to Jamb Tubes
2	T-00055	Zinc	FHMS,1/4-20x0.500L.,PHIL,ZINC	3	Secure Fixed Sidelite to (2) Blocks and (1) Clip
	T-00057	Black Zinc	FHMS,1/4-20x0.500L.,PHIL,BLK ZN		
3	T-00062		FHSMS,1/4x1.250L.,PHIL,TAPCON,BLUE	2	Secure Bottom Bracket to Floor
4	A-00309	RH	BTM BRKT, WELDMENT, RH FS, ALL GLASS	2	Secure Fixed Sidelite to Floor
	A-00307	LH	BTM BRKT WELDMENT, LH FS, ALL GLASS		
5	T-00222	Zinc	PHSMS,6x0.500L.,PHIL,TEKS,ZINC	4	Secure Brush Holder to Slide Door
	T-00260	Black Zinc	PHSMS,6x0.500L. PHIL,TEKS BLK ZN		
6	T-00064		HHCS,1/4-20x0.750L.,ZINC	2	Secure Bracket portion of the Bottom Guide Assembly to the Fixed Sidelite
7	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC	2	Used with T-00064
8	A-00181	RH	BTM GUIDE DOUBLE ROLLER ASM, RH	1	Allow Slide Door to Open/Close. Roller portion is inserted into Bottom of Strike Stile on Fixed Sidelite.
	A-00183	LH	BTM GUIDE DOUBLE ROLLER ASM, LH		



Parts Kit: Single P/N A-00502; Bi-Part A-70502

Item	Part	Note	Description	QTY	Used To
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1	T-00204		PIN,DOWEL,1/4x0.875L.	3	Secures Top Rail to Glass Panel
2	M-01206		SPACER, DOWEL PIN GLASS INST. ,ALL GLASS	3	Keeps Pin Dowel from cracking Glass Panel
3	M-01188		SPACER,RAIL,GLAS INST.,ALL GLASS	12	Keeps Rail from scratching Glass Panel

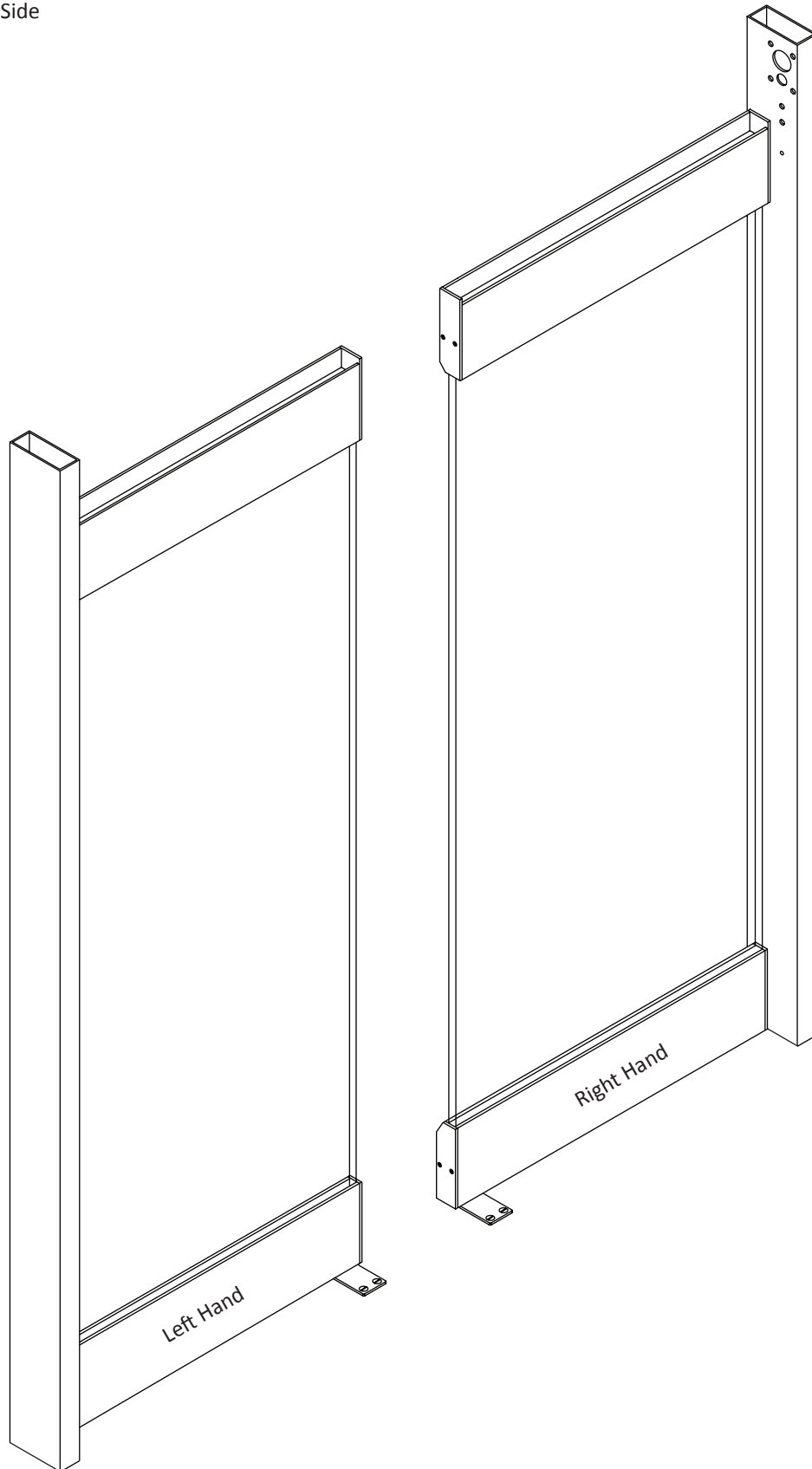


Header			
Item	Part	Finish/Sizes/Notes	Description
1	T-00061	Zinc	FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
	T-00022	Black Zinc	FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,BLK ZN
2	T-00010	In Part Bag A-01148 & A-01149	HHCS,1/4-20x0.750L.,WHIZLOCK,ZINC
3	M-60582	RH/Clear	END CAP,ONE PIECE HEADER,RH,204
	M-70582	RH/Dark Bronze	END CAP,ONE PIECE HEADER,RH,313
	M-60574	LH/Clear	END CAP,ONE PIECE HEADER,LH,204
	M-70574	LH/Dark Bronze	END CAP,ONE PIECE HEADER,LH,313
4	T-00015	Zinc	FHMS,1/4-20x0.750L.,PHIL,ZINC
	T-00017	Black Zinc	FHMS,1/4-20x0.750L.,PHIL,BLK ZN
5	A-00087		BUMPER,DOOR STOP
6	M-00502		BRACKET, IDLER/STOP
7	T-00096		"WASHER,INT,1/4;ZINC"
8	T-00002		NUT,HEX,1/4-20,ZINC
9	A-00128		DOOR STOP,ASM.
10	T-00058		NUT,SQ.,1/4-20,ZINC
11	T-00023		HHSMS,14X0.750L,TEKS,ZINC
12	M-00411		BRACKET,END CAP,HEADER
13	A-00717		POWER SUPPLY,27 VDC,100 WATT
14	M-01624		BRACKET, POWER SUPPLY, 1175
15	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
16	M-00396		BRACKET, MOUNTING, FRONT, DS150
17	V-00020		CONTROLLER, U30
18	T-00075		HHCS,3/8-16x2.750L.,FULL THREAD,ZINC
19	T-00067		NUT,HEX,JAM,3/8-16,ZINC
20	A-00078		BELT,DRIVE,IDLER SPROCKET,TENSIONER
21	M-00402		BRACKET, PULLEY SHAFT WELDMENT
22	M-00405		IDLER PULLEY ASSEMBLY
23	T-00049		RING,RETAINING,EXT,15mm SHAFT,HD
24	A-00042		ASM, IDLER PULLEY
25	M-00394		BRACKET,BELT CLIP MOUNTING
26	M-00392		SPACER,BELT CLIP
27	M-00391		BELT,CLIP
28	A-00759		BELT CLIP KIT
29	M-00395		OPERATOR,DS150
30	M-00397		BRACKET,MOUNTING , REAR, DS150
31	M-01491		BELT: .500 PITCH: "H" PROFILE
32	M-00688		PILE WEATHERING .45 TALL W/ ADHESIVE
33	T-00496	Zinc	PHMS,10-24X0.625L.,PHIL,SWAGEFORM,ZINC
	T-00497	Black Zinc	PHMS,10-24X0.625L.,PHIL,SWAGEFORM,BLK ZN
34	C-00067		"NAMEPLATE, ADHESIVE BACKED"
35	V-00022		POWER SUPPLY, 24VDC, 0.5A

Header			
Item	Part	Finish/Sizes/Notes	Description
36	A-00342	Fail Secure	LOCK, ELECTRIC,FAIL SECURE,1175
	A-00341	Fail Safe	LOCK, ELECTRIC,FAIL SAFE,1175
37	A-00343		BRKT,BELT,ELECTRIC LOCK,RHFS,LHFO,BP
	A-00344		BRKT,BELT,ELECTRIC LOCK,LHFS,RHFO
38	A-00711		"KIT,HANDY TERMINAL"
39	V-00356		HANDY TERMINAL
40	M-01517	78.75 inches	"HARNESS,HANDY TERMINAL"
41	M-01410		CABLE,HANDY TERMINAL
42	M-00413		HARNESS,U30,CONTROL
43	A-00385		BREAKOUT JUMPER
44	A-00967	36 inches	HARNESS;EXTENSION;ROCKER SWITCH;36IN.
	A-00968	72 inches	HARNESS;EXTENSION;ROCKER SWITCH;72IN.
	A-00969	180 inches	HARNESS;EXTENSION;ROCKER SWITCH;180IN.
45	T-00495		NUT,WHIZLOCK,M8-1.25,ZINC
46	A-00709	Control Box and Cable	HOLDING BEAM SYSTEM
47	A-00129	Control Box	AMPLIFIER, PHOTOEYE, OPTEX ASSY
48	V-00073	(1) Emit and (1) Detect w/ExtCbl	HOLDING BEAM,PHOTO ELECTRIC,W/ EXT CABLE
49	M-00281		FOAM WEATHERSTRIPPING ADHESIVE BACKED
50	M-01168	24 inches	HARNESS,ACUSENSOR EXT,24 INT
	M-01156	48 inches	ACCUSENSOR EXT HARNESS 48" INT.
51	M-01136	35 inches	HARNESS,BREAK OUT SWITCH,35IN EXTENSION
	M-01073	90 inches	HARNESS,BREAK OUT SWITCH,90IN EXTENTION
52	A-01031		U-19 ELECTRIC LOCK KIT, FAIL SECURE
	A-01032		U-19 ELECTRIC LOCK KIT, FAIL SAFE
53	A-00686		"T-NUT,3/8-16x.750L"
54	A-00758	Full Open Sidelite only	SWITCHBREAKOUT

SERVICE PARTS: FIXED SIDELITE

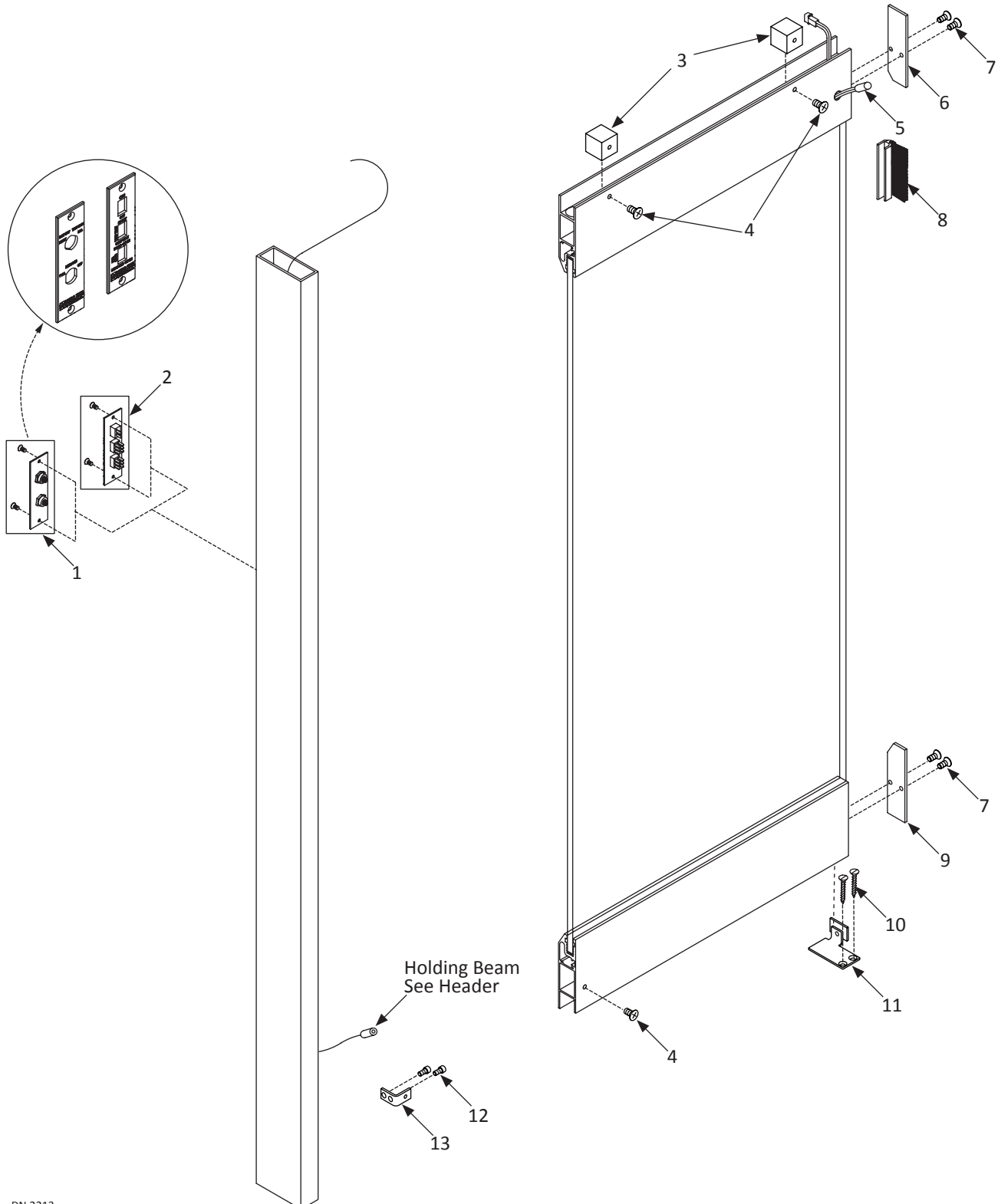
Viewed from Break Out Side



DN 2211

SERVICE PARTS: LEFT HAND FIXED SIDELITE

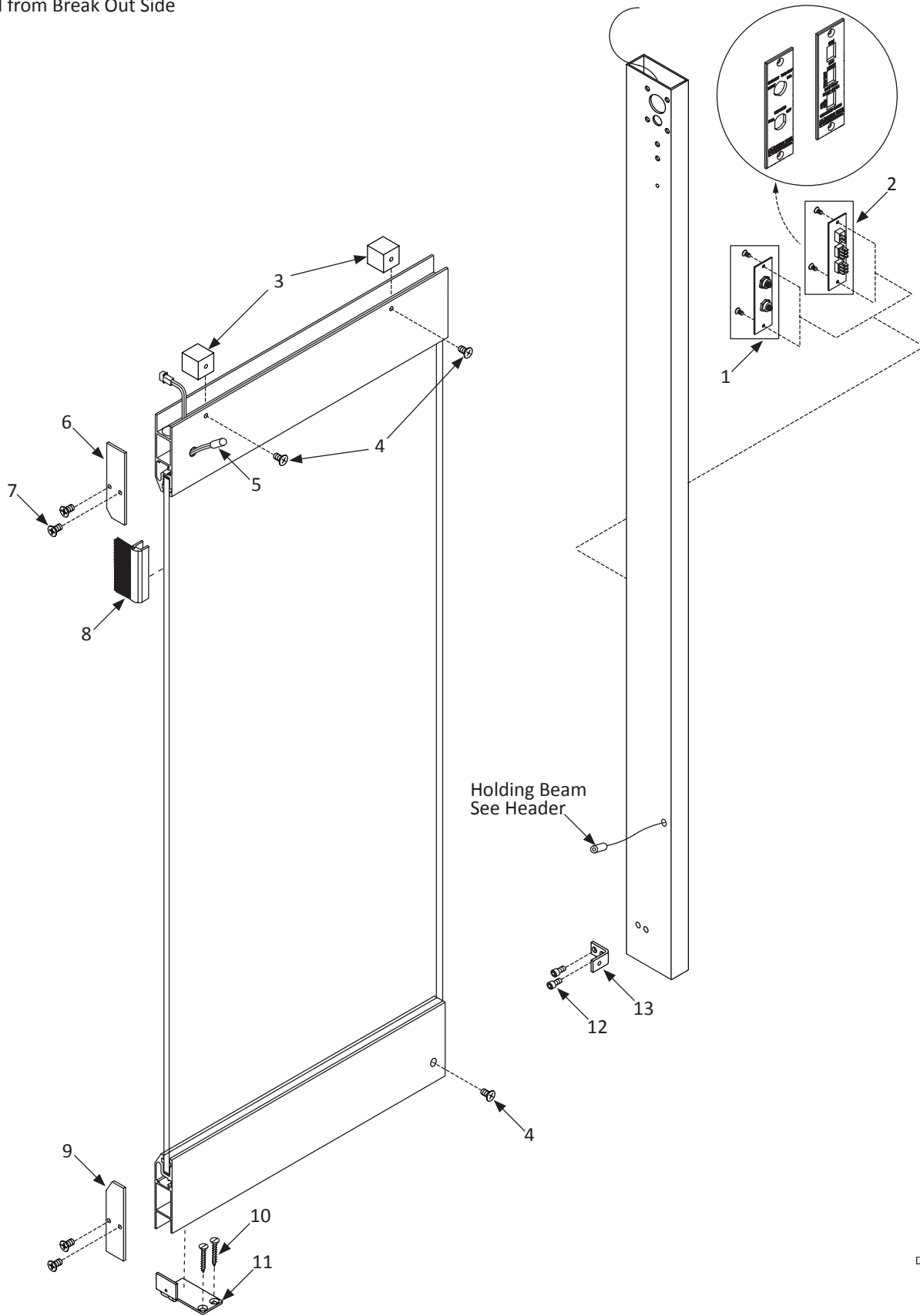
Viewed from Break Out Side



DN 2213

SERVICE PARTS: RIGHT HAND FIXED SIDELITE

Viewed from Break Out Side

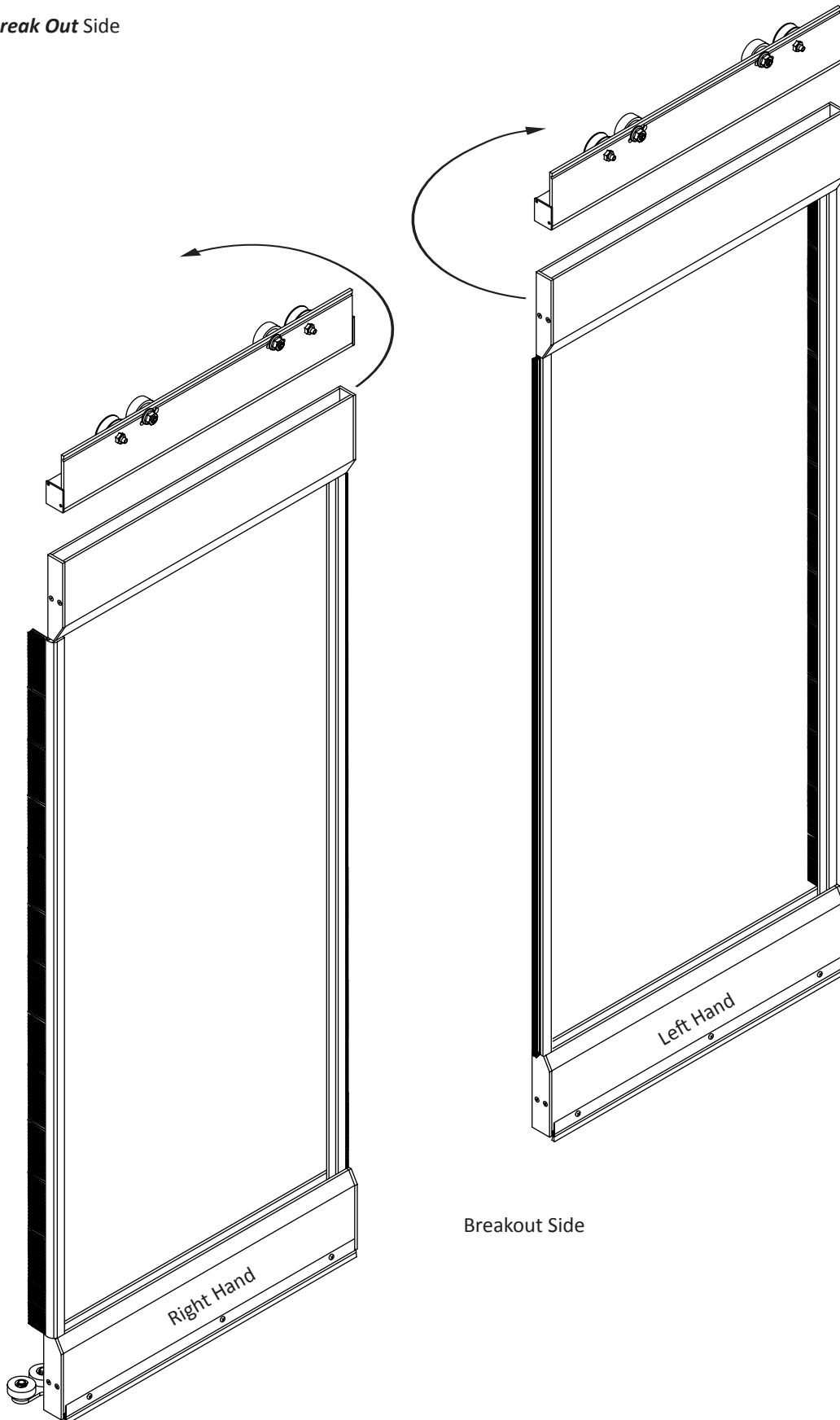


DN 2212

Fixed Sidelite			
Item	Part	Finish/Sizes/Notes	Description
1	M-01144	NABCO	SWITCH, KEY - NABCO
	M-01145	PORTA SERVICE	SWITCH, KEY - PORTA SERVICE
2	M-00428	NABCO	SWITCH MODULE,3 ROCKER,NABCO
	M-00429	PORTA SERVICE	SWITCH MODULE,3 ROCKER,PORTA
3	M-00967		BLOCK,PANEL
4	T-00055	Zinc, In Part Bag A-01148 & A-01149	FHMS,1/4-20x0.500L.,PHIL,ZINC
	T-00057	Black Zinc, In Part Bag A-01148 & A-01149	FHMS,1/4-20x0.500L.,PHIL,BLK ZN
5	A-00143		REED SWITCH ASSEMBLY WIDE GAP
6	A-00240	Top Rail, LH	CAP,END,TOP RAIL,ALL GLASS,LH1 ASM
	A-00242	Top Rail, RH	CAP,END,TOP RAIL,ALL GLASS,RH1 ASM
7	T-00116		FHMS,8-32x0.375L,PHIL,BLK ZN
8	M-00239		WEATHERING ALL GLASS 90 DEGREE BRUSH
9	A-00210	Bottom Rail, RH	CAP,END,BTM RAIL RH ASM
	A-00213	Bottom Rail, LH	CAP, END, BTM RAIL LH ASM
10	T-00062		FHSMS,1/4x1.250L.,PHIL,TAPCON,BLUE
11	A-00309	RH, In Part Bag A-01148 & A-01149	BTM BRKT, WELDMENT, RH FS, ALL GLASS
	A-00307	LH, In Part Bag A-01148 & A-01149	BTM BRKT WELDMENT, LH FS, ALL GLASS
12	T-00053		SHCS,1/4-20x0.500L.,ZINC
13	M-00706		BRACKET,MOUNTING ,FIXED SIDELITE

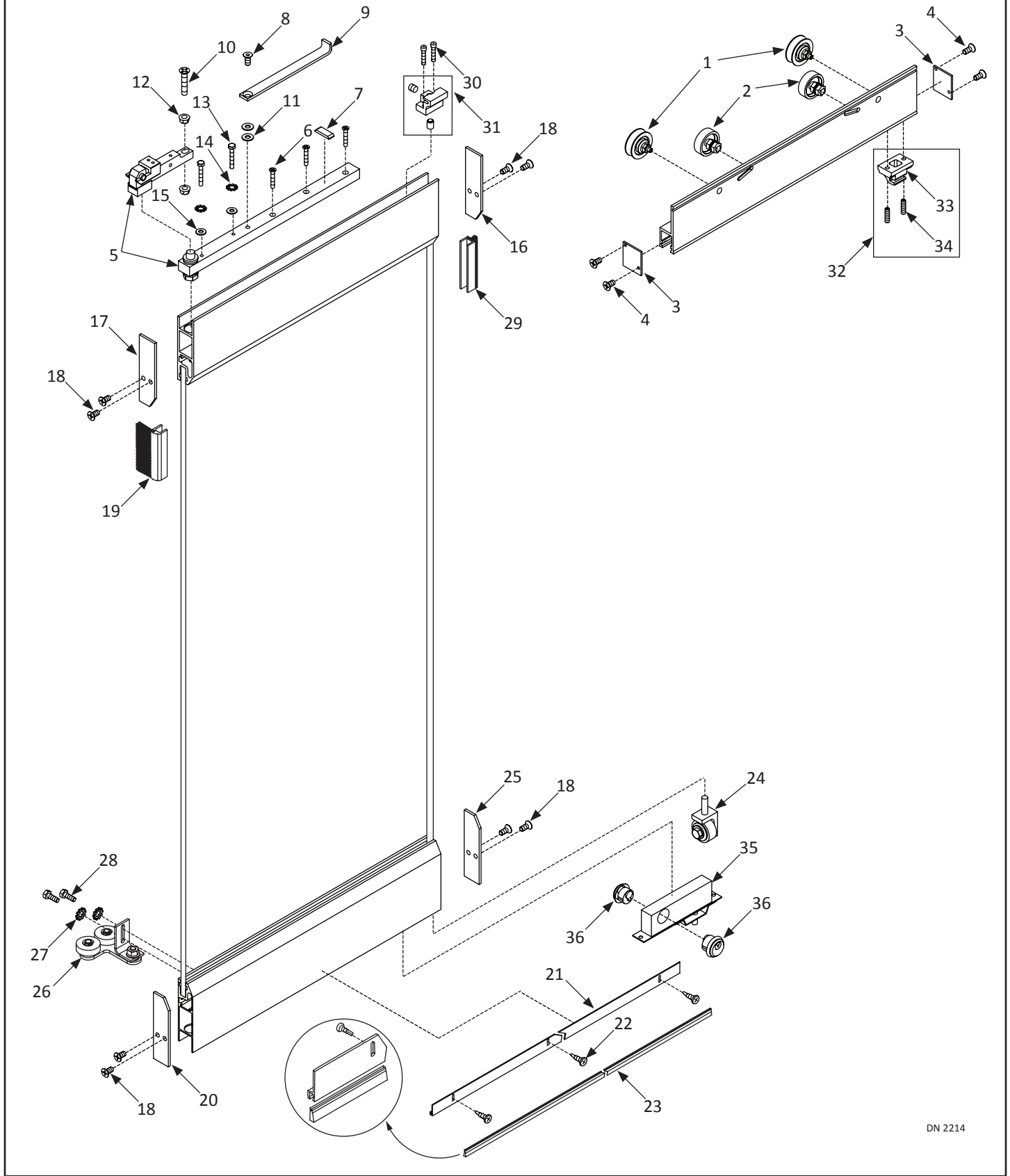
SERVICE PARTS: SLIDE DOOR

Viewed from *Break Out* Side



SERVICE PARTS: LEFT HAND SLIDE DOOR

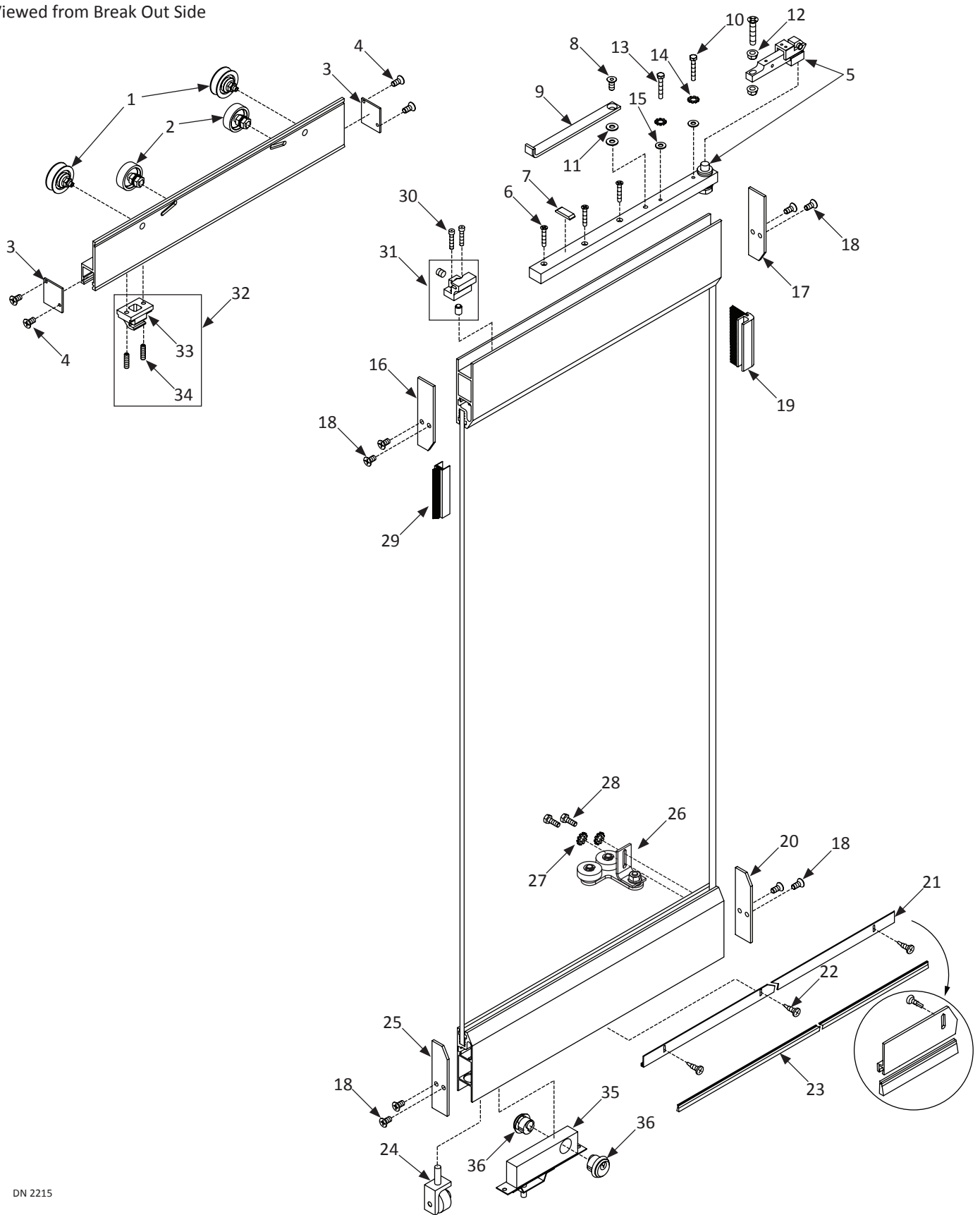
Viewed from Break Out Side



DN 2214

SERVICE PARTS: RIGHT HAND SLIDE DOOR

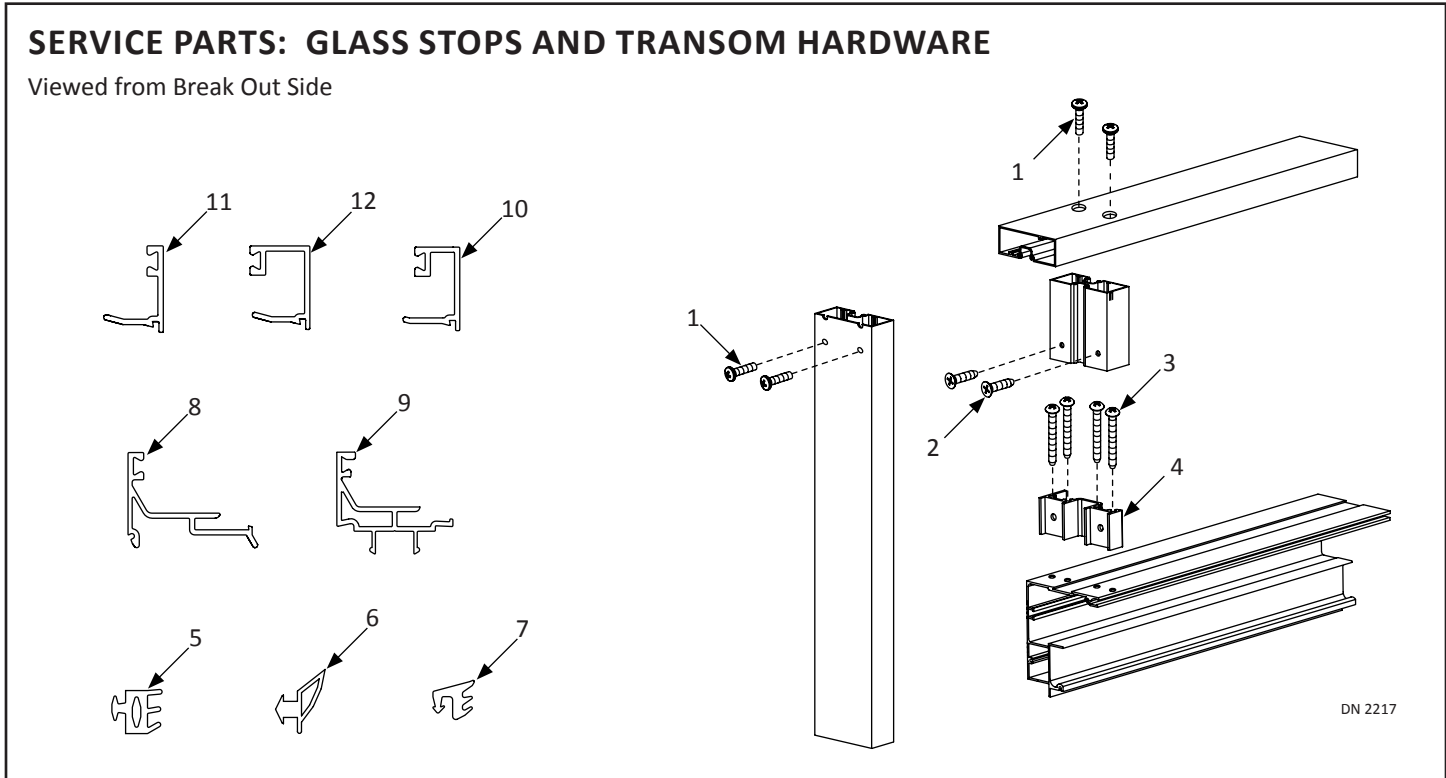
Viewed from Break Out Side



DN 2215

Slide Door			
Item	Part	Finish/Sizes/Notes	Description
1	A-00162		ROLLER, HANGER, ASSEMBLY, 1175
2	A-00163		AXLE ASSEMBLY-ANTI RISE ROLLER
3	A-01307	RH	END CAP,CARRIER,ALL-GLASS,RH
	A-01308	LH	END CAP,CARRIER,ALL-GLASS,LH
4	T-00116		FHMS,8-32x0.375L,PHIL,BLK ZN
5	A-00032		ASM, PIVOT - ALL GLASS
6	T-00089		FHMS,1/4-20x1.500L.,PHIL,UNDERCUT,ZINC
7	M-00381		SPACER,LIMIT ARM,ALL GLASS
8	T-00093		FHCS,7/16-14x1.000L.,ZINC,W/ NYLON PATCH
9	M-00379		LIMIT ARM, STANDARD STILES
10	T-00030		FHMS,3/8-16x2.000L.,PHIL,ZINC
11	T-00092		WASHER,.438 ID,1.00 OD,.083 THK,ZINC
12	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
13	T-00028		HHCS,1/4-20x1.750L.,GR5,ZINC
14	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC
15	T-00029		WASHER,.250 ID,.563 OD,.049 THK,ZINC
16	A-00244	Strike Side, Top Rail,RH	CAP,END,TOP RAIL,ALL GLASS,RH2 ASM
	A-00246	Strike Side, Top Rail, LH	CAP,END,TOP RAIL,ALL GLASS,LH2 ASM
17	A-00248	Pivot Side, Top Rail, Beveled, RH	CAP,END,BEVELED,TOP RAIL,ALL GLAS,RH ASM
	A-00250	Pivot Side, Top Rail, Beveled, LH	CAP,END,BEVELED,TOP RAIL,ALL GLAS,LH ASM
18	T-00055	Zinc, In Part Bag A-01148 & A-01149	FHMS,1/4-20x0.500L.,PHIL,ZINC
	T-00057	Blk Zn, In Part Bag A-01148 & A-01149	FHMS,1/4-20x0.500L.,PHIL,BLK ZN
19	M-00239	90 Degree Brush	WEATHERING ALL GLASS 90 DEGREE BRUSH
20	A-00252	Pivot Side, Bottom Rail, Beveled, RH	CAP,END,BEVELED,BTM RAIL,ALL GLAS RH ASM
	A-00258	Pivot Side, Bottom Rail, Beveled, LH	CAP,END,BEVELED,BTM RAIL,ALL GLAS LH ASM
21	M-60278	Clear	HOLDER,WEATHERING BRUSH,204,EXTRU
	M-70278	Dark Bronze	HOLDER,WEATHERING BRUSH,313,EXTRU
22	T-00222	Zinc, In Part Bag A-01148 & A-01149	PHSMS,6x0.500L.,PHIL,TEKS,ZINC
	T-00260	Black Zinc, In Part Bag A-01148 & A-01149	PHSMS,6x0.500L. PHIL,TEKS BLK ZN
23	M-00274	1" Stepped	BRUSH, NYLON, 1" STEPPED
	M-00698	1.5"	BRUSH, NYLON, 1.5"
24	A-00184	Asm., In Part Bag A-01148 & A-01149	NOSE CASTER,ALL GLASS,ASM.
25	A-00254	Strke Side, Bottom Rail, RH	CAP,END,BTM RAIL,ALL GLASS RH ASM
	A-00256	Strike Side, Bottom Rail, LH	CAP,END,BTM RAIL,ALL GLASS LH ASM
26	A-00181	In Part Bag A-01148 & A-01149	BTM GUIDE DOUBLE ROLLER ASM, RH
	A-00183	In Part Bag A-01148 & A-01149	BTM GUIDE DOUBLE ROLLER ASM, LH
27	T-00087	In Part Bag A-01148 & A-01149	WASHER, LOCK, EXT, 1/4 ID, ZINC
28	T-00064	In Part Bag A-01148 & A-01149	HHCS,1/4-20x0.750L.,ZINC
29	A-01079		WEATHERSTRIP,ALL-GLASS,CLEAR W/ BLACK
30	T-00037		SHCS,1/4-20x1.250L.,ZINC
31	A-00069	Bottom	PANIC CATCH, BOTTOM
32	A-00071	Upper	PANIC CATCH, UPPER,ASM.

Slide Door			
Item	Part	Finish/Sizes/Notes	Description
33	M-00483		PANIC CATCH RELEASE ASSEMBLY
34	T-00091		SHSS,5/16-18x1.250L.,CUP PT.
35	A-00032		ASM, PIVOT - ALL GLASS
36	V-00123	Clear	CYLINDER,LOCK,KEYED,204
	V-70123	Dark Bronze	CYLINDER,LOCK,KEYED,313



Glass Stops and Transom Hardware			
Item	Part	Finish/Sizes/Notes	Description
1	T-00157		“PHSMS,8x1.000L.,PHIL,TYPE B”
2	T-00061	Zinc	FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
	T-00022	Black Zinc	FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,BLK ZN
3	T-00320		PHSMS, #10 - 1.750L.
4	M-00799		TRANSOM CLIP
To Ensure Proper Fit: Please contact Customer Service before ordering Vinyl			
5	M-00263	Three Prong	VINYL GLASS STOP THREE PRONG
6	M-00284	Tear Drop	VINYL GLASS STOP TEAR DROP
7	M-00279	Flush Glaze	VINYL FLUSH GLAZE
To Ensure Proper Fit: Please contact Customer Service before ordering Glass Stops			
8	M-60250	Clear	GLASS STOP,BASE,204,EXTRU
	M-70250	Dark Bronze	GLASS STOP,BASE,313,EXTRU
9	M-60298	Clear, Used for Transom or Jamb Tube	GLASS STOP,BASE,TRANSOM JAMB, 204, EXTRU
	M-70298	Dark Bronze, Used for Transom or Jamb Tube	GLASS STOP,BASE,TRANSOM JAMB, 313, EXTRU
10	M-60265	Clear	GLASS STOP,1” TALL,SNAP IN,204,EXTRU
	M-70265	Dark Bronze	GLASS STOP, 1” TALL, SNAP,313,EXTRU
11	M-60268	Clear	GLASS STOP, SNAP IN, 1/2” TALL,204,EXTRU
	M-70268	Dark Bronze	GLASS STOP, SNAP IN, 1/2” TALL,313,EXTRU
12	M-60333	Clear	GLASS STOP,TOP, 1” TALL, 204 ,EXTRU
	M-70333	Dark Bronze	GLASS STOP,TOP, 1” TALL, 313 ,EXTRU