



NABCO GT1175 Telescopic Slide Doors Installation Manual ****with OPUS Control****

P/N C-00372 Rev 6-1-26

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Associated Manuals Part Numbers: *OPUS Control Wiring and Programming Manual P/N C-00391*

(Power input: 100-130VAC, AC 50-60 Hz, minimum 5A service, see OPUS manual for more information)

Automatic Sliding Door Owner's Manual (P/N C-00109) for Decal Installation



- 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.
-

Manual & Tech Call Disclaimer

The information and material contained in the program manuals, guides, and instructions (the “**Manuals**”) are being provided for informational purposes and as a general guide only; some applications and installations vary, however, and may require additional steps. The Manuals are intended to be used by skilled American Association of Automatic Door Manufacturers (“**AAADM**”) certified technicians qualified to perform authorized installation, maintenance, and other work on NABCO Entrances, Inc.’s (“**NABCO**”) products. The information contained in the Manuals does not purport to cover all details or variations in NABCO products and does not claim to provide for every possible contingency met in connection with installation, operation, or maintenance. The Manuals are not intended to be a substitute for advice from a skilled, qualified, and AAADM certified technician. The information provided in the Manuals or by NABCO’s tech service department, while attempting to troubleshoot, is being provided for general informational purposes only and is not intended to substitute for advice from a skilled, qualified, and AAADM certified technician. For any assistance outside of general assistance based on the Manuals, a skilled, qualified, and certified AAADM technician should be consulted.

NABCO hereby disclaims any and all liability to any party for any direct, indirect, implied, punitive, special, incidental, or other damages, including consequential damages, arising directly or indirectly from any use of, or reliance on, the Manuals, which are provided as is, and without warranties. NABCO does not warrant or guarantee the performance or effectiveness of the Manuals, including but not limited to the installation of NABCO products, referenced or described in any part of the Manuals.

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CHAPTER 1: SAFETY FLAGS

SECTION 1.1: Warning Labels

Warning labels are universal and used to alert an individual of a potential hazard to oneself or to others. The following warning labels are listed in a hierarchy order that defines the most hazardous: **DANGER** to the least hazardous: **SAFETY**. Please refer to this page if a warning label is displayed within this manual and requires further definition.



Indicates an immediate hazard; a hazard capable of producing irreversible damage, injury, or death. It should not be considered for property damage unless personal injury risk is present.



Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. It should not be considered for property damage unless personal injury risk is present.



Indicates a potentially hazardous situation; a hazard capable of resulting in severe but not irreversible injury or damage. The **CAUTION** label should not be used when there is a possibility of death or serious irreversible injury.



Indicates a situation where general information is provided to prevent material from damage or prevent the function of the equipment from being impaired. The **NOTICE** label should not be used when there is a hazardous situation or personal risk.



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

NOTE: *Indicates important information that provides further instruction.*

SECTION 1.2: General Safety Recommendations



Always disconnect all power to the junction box and use proper Lockout / Tagout procedures prior to making any electrical connections. Failure to do so may result in irreversible damage, injury, or death. Ensure the equipment is disconnected from the energy source by using the operating controls and by using a voltmeter to check voltage.



Do not place any extremity or uninsulated tool inside the *Header*. Touching wires or other parts inside the enclosure may cause electrical shock, serious injury or death.



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



It is imperative to read, study and understand the installation and operating instructions contained in, or referenced in this manual before performing any service or maintenance. If you do not understand the instructions, please ask a qualified technician. Failure to do so may result in death, serious injury, property damage and will nullify all warranties.



This product is for Indoor use only.



Use this operator only with Nabco sliding doors.



The ground wire from the OPUS Control 120 VAC harness and the incoming 120 VAC ground wire must be connected to each other secured with a UL-listed electrical connector within the Slide Door Header.



If any equipment appears damaged or is not working correctly, it should be immediately removed from service until repairs can be carried out or a qualified service technician is contacted for corrective action.



This manual, the owner's manual and all other associated manuals must be given to and retained by the purchasing facility or end user. The Owner's Manual is intended to be used by the Building Owner or Manager. ONLY a qualified service technician can use any of the manuals to make changes to the product.



It is the responsibility of the purchasing facility or end user to keep warning instructional labels in accordance with ANSI A156.10.



All electrical wiring work performed must meet all local, state, federal and/or other governing agency codes. All electrical troubleshooting or service must be performed by qualified electrical technicians and must comply with all applicable governing agency codes.

CHAPTER 2: SCOPE

SECTION 2.1: 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 Slide Door System. Use them in addition to the ANSI Standard Z97.1 which covers the installation of all installed glass. The GT-1175 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 2.2: 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 OPUS Control. This control offers many features to accommodate most installation options. This manual offers step-by-step instructions.



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)".

SECTION 2.3: Limited Warranty

NABCO ENTRANCES, INC., for its product line, provides its customers the following limited warranty:

- NABCO ENTRANCES, INC. will exchange or repair, F.O.B. the plant, any component found defective in workmanship and/or material, subject to NABCO's inspection, for a period of 12 months after the date of shipment from NABCO.
- Warranty does not include field service labor. The installation contractor/customer will be responsible for installation and field service. This is NABCO ENTRANCES, INC.'s sole warranty.
- The warranty does not cover loss or damages resulting from causes beyond the manufacturer's control, misuse, neglect, accidents, windstorms, or other acts of God, or acts of terrorism.
- The warranty is for normal use and service. This warranty does not apply to equipment that has been tampered with, repaired, or altered so as to adversely affect conditions of operation.
- Warranty will not obligate NABCO for damages resulting from such alterations, misuse, or acts of God, or acts of terrorism.

If you require additional information, please contact:

Nabco Entrances, Inc.
Technical Services Team
Phone Number: 877-622-2694 Option #3
E-Mail Address: techsupport@nabcoentrances.com

SECTION 2.4: Gaining Access into the “myNABCO” Portal

2.4.1 Email and Password

This is for **DISTRIBUTOR ACCESS ONLY**

To gain access into the “myNABCO” portal, the **Distributor** must first have an assigned Email and Password. **To request** an Email and Password, the following must be done:

1. Open the NABCO Website: www.nabcoentrances.com
2. Click on the “myNABCO” button (**Green Button**)



3. Click on the “Register” button (see below)
4. A form appears.

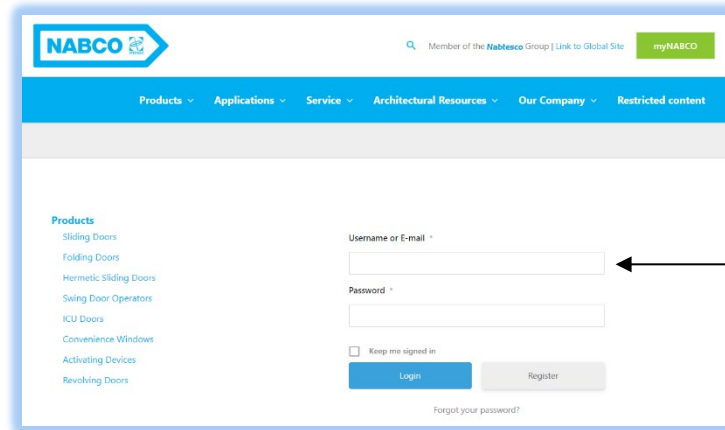
A screenshot of the NABCO registration form. The header is identical to the previous screenshot. Below the navigation bar, there is a 'Products' section with a list of links: Sliding Doors, Folding Doors, Hermetic Sliding Doors, Swing Door Operators, ICU Doors, Convenience Windows, Activating Devices, and Revolving Doors. To the right of this list is a registration form with fields for 'Username or E-mail' and 'Password', both marked with an asterisk. Below these fields is a checkbox for 'Keep me signed in'. At the bottom of the form are two buttons: a blue 'Login' button and a grey 'Register' button. An arrow from the text 'Register' in the instructions above points to the 'Register' button. Below the buttons is a link that says 'Forgot your password?'

5. Complete the form.
 - a. Enter a username, first name, last name, email address and chosen password/verify it, AND then click on the blue **Register** button.
6. A confirmation will be sent back to the **Distributor** verifying the registration.
7. Use the confirmed username and password to Login.

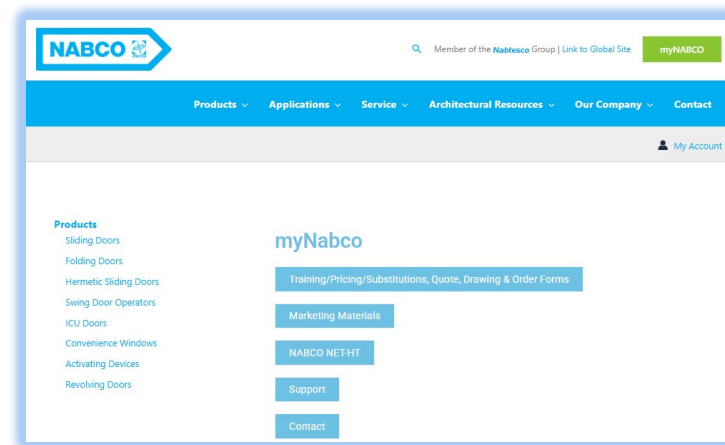
2.4.2 Accessing Installation, Wiring and Programming Manuals

For User convenience there are now (2) ways to obtain associated Installation, Wiring and Programming Manuals:

- ▶ All Associated Manuals are packed within Decal Packets that are placed inside the Header.
- ▶ For Electronic copies please Login: **www.nabcoentrances.com → myNABCO portal→LOGIN.**



- ▶ The screen below appears once you are logged in.
- ▶ Navigate to the information needed.



2.4.3 Obtaining Associated Manuals, Cut Sheets and Shop Drawings

- ▶ Secure Cut Sheets, Pick Lists and Shop Drawings from your Project Coordinator or General Contractor and review them.

SECTION 2.5: Access to Other Information and Associated Links

2.5.1 Locating Service Part pages

- ▶ Service Parts are located at the end of this manual; this is for your reference ONLY.
- ▶ *Service parts can ONLY be ordered by an **Authorized Distributor** or **Branch**.*
- ▶ *If questions*, please call NABCO Entrances Technical Service at 1-877-622-2694, Option 3, between 7 am – 5:30 pm Central Time for additional assistance.

2.5.2 Links to Service Parts pages in this manual

Click on the link below to reach the appropriate Service Parts Page OR see the back of the manual:

[Service Parts: NH Medium Stile Kit P/N A-01451](#)

[Service Parts: NH Narrow Stile Kit P/N A-00408](#)

[Service Parts: LH Kit P/N A-00619; RH Kit P/N A-00618](#)

[Service Parts: LH Kit P/N A-01397; RH Kit P/N A-01396](#)

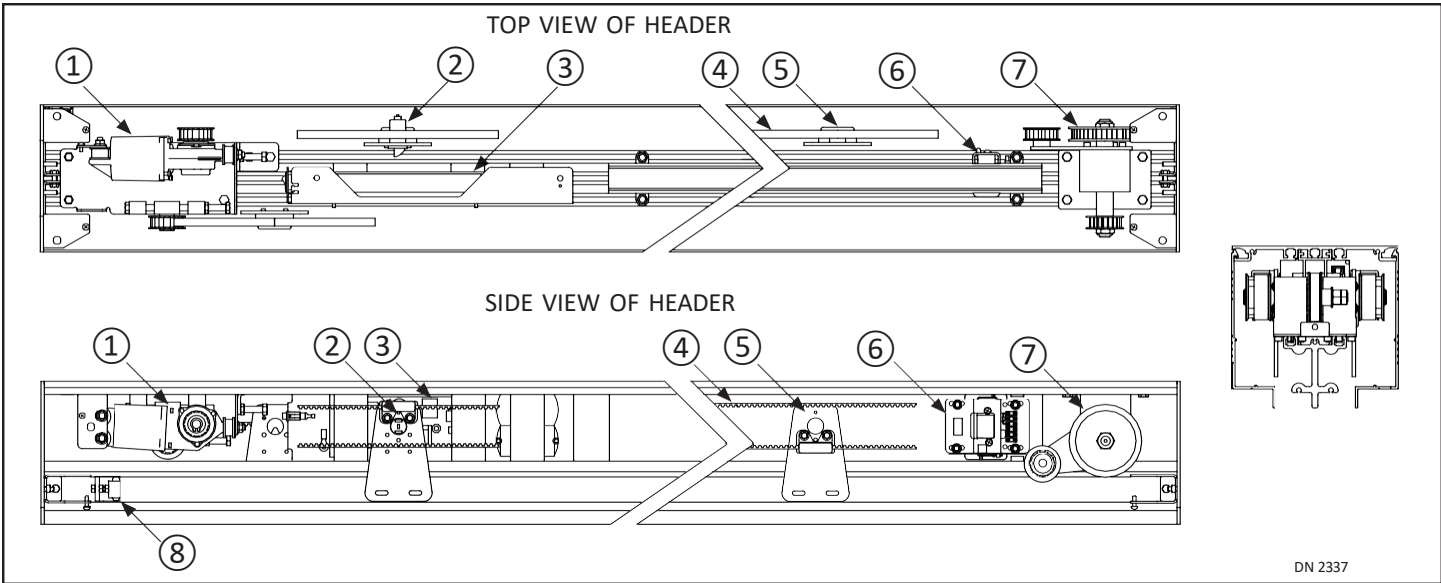
- [Service Parts: Header](#)
- [Service Parts: Left Hand Fixed Sidelite](#)
- [Service Parts: Right Hand Fixed Sidelite](#)
- [Service Parts: Left Hand Fixed Sidelite Trail Door](#)
- [Service Parts: Right Hand Fixed Sidelite Trail Door](#)
- [Service Parts: Left Hand Lead Door Fixed Sidelite](#)
- [Service Parts: Right Hand Lead Door Fixed Sidelite](#)
- [Service Parts: Left Hand Full Open Sidelite](#)
- [Service Parts: Right Hand Full Open Sidelite](#)
- [Service Parts: Left Hand Full Open Trail Door](#)
- [Service Parts: Right Hand Full Open Trail Door](#)
- [Service Parts: Left Hand Full Open Lead Door](#)
- [Service Parts: Right Hand Full Open Lead Door](#)
- [Service Parts: Transom Clip, Glass Stops, and Vinyl](#)

CHAPTER 3: **PREPARE AND ORGANIZE**

SECTION 3.1: **Type of Unit**

- ▶ Mechanical Configurations:
 - Single Slide: (1) Slide door and (1) Trail door slides to the right or left with (1) Sidelite panel.
 - Bi-Part: (2) Slide doors and (2) Trail doors slide apart from the center with (2) Sidelite panels.
- ▶ Emergency Egress:
 - Full Open: The Slide door, the Trail door, and Swing Sidelite breakout for emergency egress.
 - Fixed Sidelite is Stationary: Only the Lead Slide Door breaks out for emergency egress.

SECTION 3.2: **Header Components**



1	VS-150 Operator	5	Belt Clip Assembly
2	Latch Bolt	6	Electric Lock
3	Opus Control Assembly, Telescopic	7	Reducer
4	Timing Belt	8	Door Stop Assembly

SECTION 3.3: Before Assembling the Door Frame – Electrical



Read and understand the “Opus Control Wiring and Programming Manual” P/N C-00391 before attempting to power up 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.



Shut the installation site branch Circuit Breaker OFF. Failure to do so may result in serious personal or fatal injury. When uncertain whether power supply is disconnected, always verify using a voltmeter.



All high voltage electrical connections must be made by licensed electricians according to National and Local electrical codes/regulations.



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.



Keep sufficient spacing between high-voltage and low-voltage wiring. 120 VAC Power wires must be routed (separate from other wiring) near the top of inside Header.



Ensure that incoming electrical ground is properly secured to the grounding screw or grounding wire, whichever is provided.

NOTICE

Any non-factory low voltage wiring added inside the Header must be Type CL2 wire or the equivalent in accordance with Article 725 of the NEC.

SECTION 3.4: Before Assembling the Door Frame – Inspect the Rough Opening

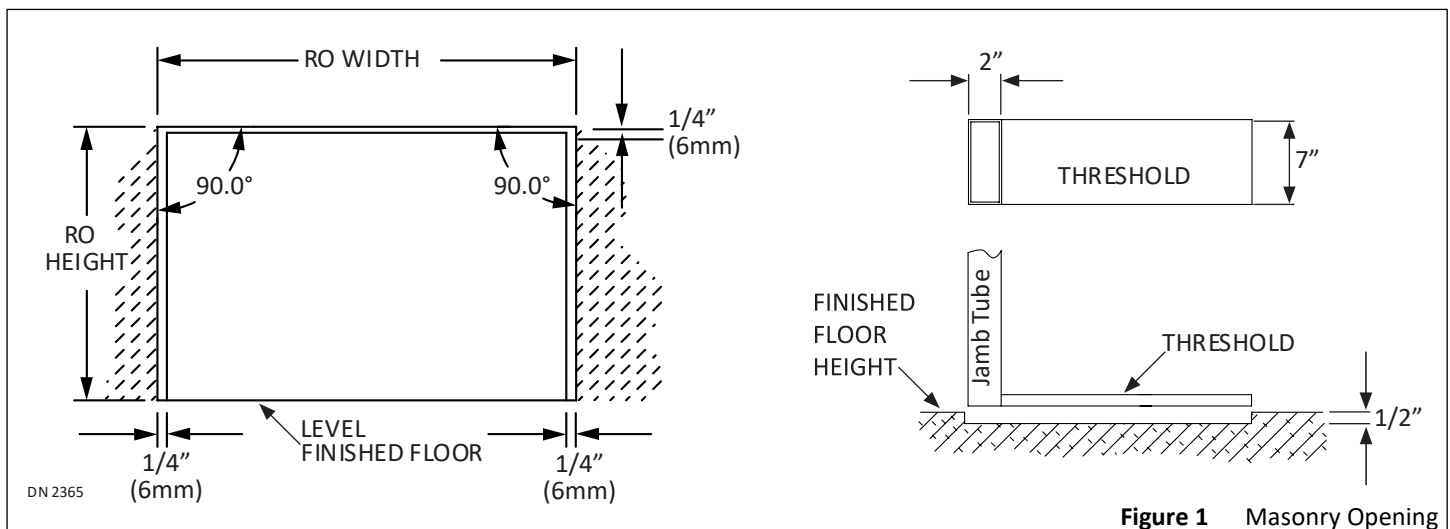


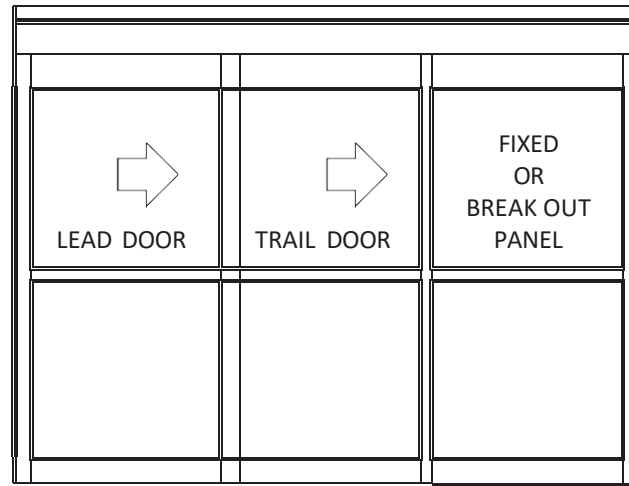
Figure 1 Masonry Opening

1. Ensure the Rough Opening is correct size.
 - ▶ The width of the Rough Opening should equal: **PACKAGE WIDTH + 1/4 INCH ON EACH SIDE**
 - ▶ 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 entire opening. If used, check recessed threshold across the door opening.

Example Shown:
Exterior Side of Door



DN 0675

Figure 2 1175 Telescopic Slide Door System without Transom

SECTION 3.5: Before Assembling the Door Frame - Tool List

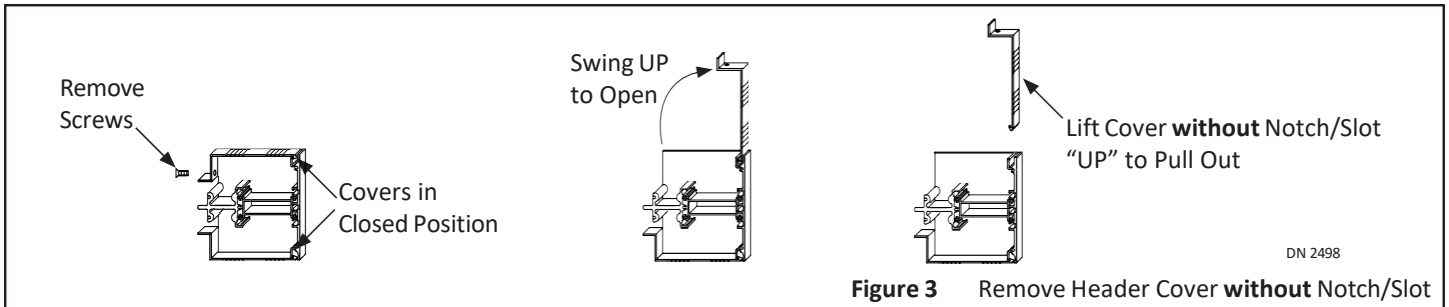
- 5' LEVEL or larger
- Tape-Measure
- Chalk Line
- Shim-Stack Shims
- Cedar Shake Shims
- Pry-Bar
- Hammer and Rubber Mallet
- Razor Blade or Utility Knife
- Side-Cutters
- 3/8ths, 7/16ths, 1/2inch, 9/16ths, 11/16ths, and 15/16ths Wrenches
- Complete Set of Standard & Metric Allen Wrenches
- 3/16ths, 1/4 inch and 5/16ths Masonry Drills
- Complete Drill Index
- 12" Aircraft Drills 3/16ths and 1/4 inch
- Hole Saw Kit or a variety of Step-Down Bits
- 6" Clamps or larger
- Drill Gun with Rotary-hammer capability and/or Impact Gun
- 6" Apex Bit(s)
- Wire-Strippers
- Meter, reading Voltage, Resistance and Continuity
- Electrical Tape
- 3/32nd Straight Screwdriver, for OPUS terminations
- #2 and #3 Phillips Screwdrivers
- Sawhorses
- Traffic Cones and/or Caution Tape
- Bin with SPARE Screws (for both Wood and Metal), Washers, Nuts, Lock Nuts, Wire-Nuts, Rowels, 4-Conductor Wire, Drill Bits, Self-Drilling/Tapping Screws and Bit Extension Tools (i.e., Counter sinks, 3/8ths Nut Drivers, Spare Screw tips, etc.)
- Broom & Dustpan and/or Vacuum
- Drop Chain or Fish Tape
- Pencil or Marker
- Door Pressure Guage for AAADM Inspection

CHAPTER 4 – INITIAL ASSEMBLY – ASSEMBLE DOOR FRAME (NO TRANSOM)

NOTE: If a transom is included, see [Chapter 5: Initial Assembly – Assemble Door Frame \(With Transom\)](#).

SECTION 4.1: Remove Header Cover

1. Go to the Header Cover (without the Notch/Long Slot). Remove (2) 10-24 x 0.625-inch Screws from the Bottom Lip.
2. Lift the Header Cover “Up” then pull it out.
 - a. Do Not remove the Header Cover with Notch/Long Slot at this time.



PN 1036

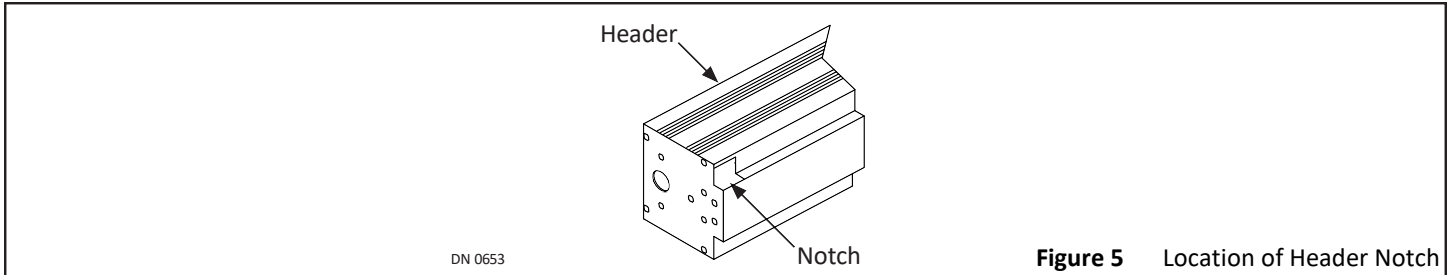
Figure 4 Header Cover without Notch

SECTION 4.2: Prepare the Door Frame (FULL OPEN)

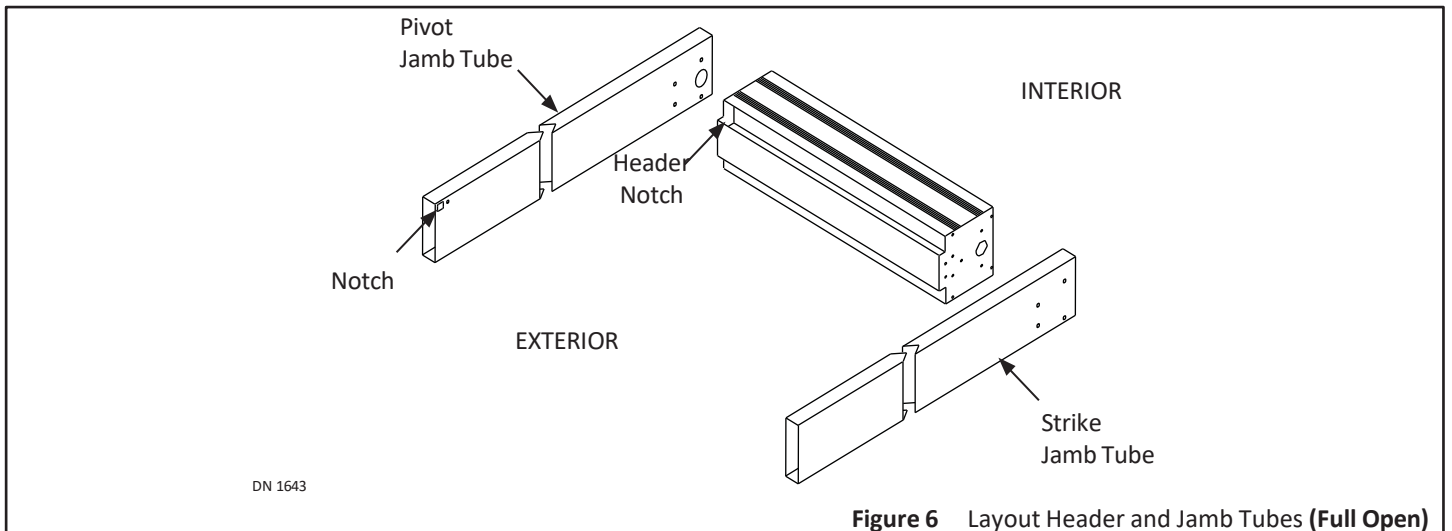
NOTICE

Sidelite side of Header (with Notch) must face the Exterior side of the building.

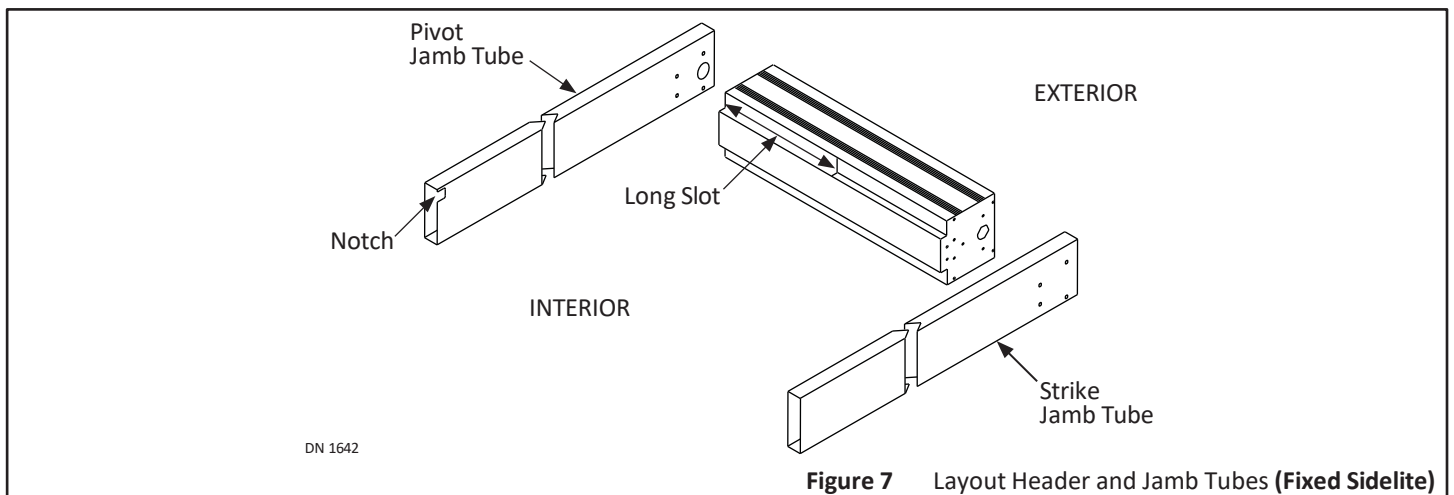
1. Place the Header on a flat surface so the Access Cover with (1) Notch, is facing “Up”.
- a. Notch in Cover is used so the Header Cover can still open after the Sidelite is broken out.



2. Lay down the Pivot Jamb Tube next to the Pivot Side of Header.
 - a. The Notch on Pivot Jamb Tube must face the inside of Door Frame and be “Up” from the floor.
 - Notch is used to position and secure the Bottom Pivot.
3. Lay down the Strike Jamb Tube so the inside face is positioned next to the Strike Side of Header.
4. Align pre-drilled screw holes located on Jamb Tubes with each End Cap of Header.



SECTION 4.3: Prepare the Door Frame (Fixed Sidelite)



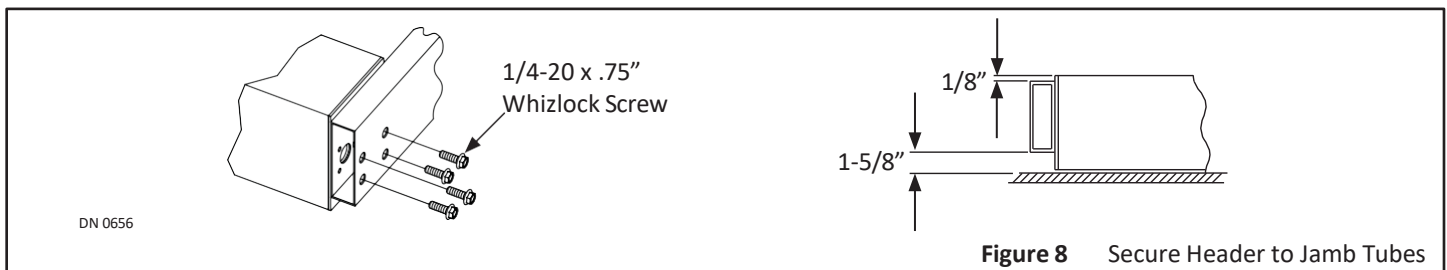
NOTICE

Sidelite side of Header (with Long Slot) must face the Interior side of the building.

1. Place the Header on the floor so the Access Cover with (1) long slot is facing "Up".
 - a. The long slot (located behind the Sidelite) allows the Header Cover to open/close without obstruction.
2. Lay down the Pivot Jamb Tube next to the Pivot Side of Header, so the Notch at the bottom is facing inside the Door Frame and be "Up" from the floor.
 - a. Notch is used to allow the Roller Wheel to partially enter so the Slide Door can fully open.
3. Lay down the Strike Jamb Tube so the inside face is next to the Strike Side of Header.
4. Align pre-drilled screw holes located on Jamb Tubes with End Caps of Header.

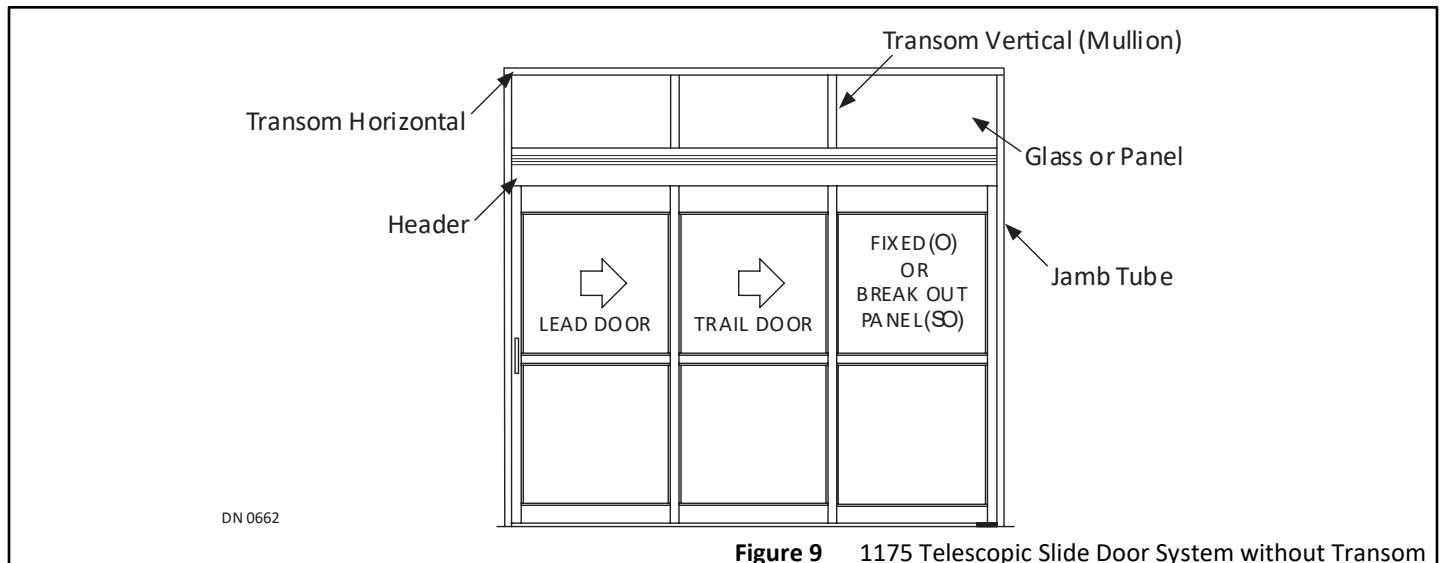
SECTION 4.4: Secure Jamb Tubes to Header

1. Secure the Header to each Jamb Tube with (8) 1/4-20 x .75-inch Screws.
 - a. If assembled correctly, the Jamb Tubes will approximately be 1-5/8 inches from the flat surface.



NOTE: Once Section 4.4 is complete, proceed to [Chapter 6](#).

CHAPTER 5: INITIAL ASSEMBLY - ASSEMBLE THE DOOR FRAME (WITH TRANSOM)



SECTION 5.1: Secure the Transom Horizontal to Header

NOTE: For a Door Frame/Transom assembly that is over 11 feet (132 inches) tall, please call Customer Service at: 1-877-622-2694, Option 1, to special order a reinforced Transom with Tie Rods.

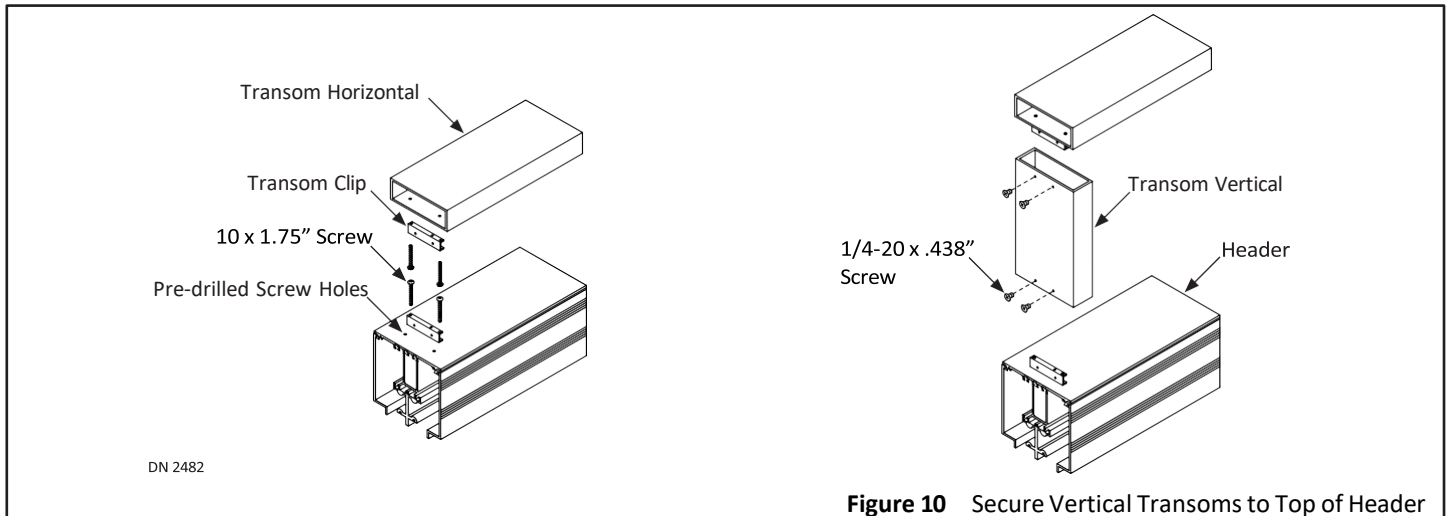


Figure 10 Secure Vertical Transoms to Top of Header

1. Place Header on a flat surface so top of Header is facing "Up".
2. Locate pre-drilled 5/8-inch screw holes on Header and Transom Horizontal.
3. Secure each Transom Clip to the Header and Transom Horizontal with 10 x 1.75-inch screws.
4. Slide (1) Transom Vertical over each Transom Clip so each is parallel.
5. Secure each Transom Vertical to each Transom Clip with 1/4-20 x .438-inch screws.
 - a. The Transom Horizontal is now secured to the Header.

SECTION 5.2: Prepare the Door Frame (FULL OPEN)

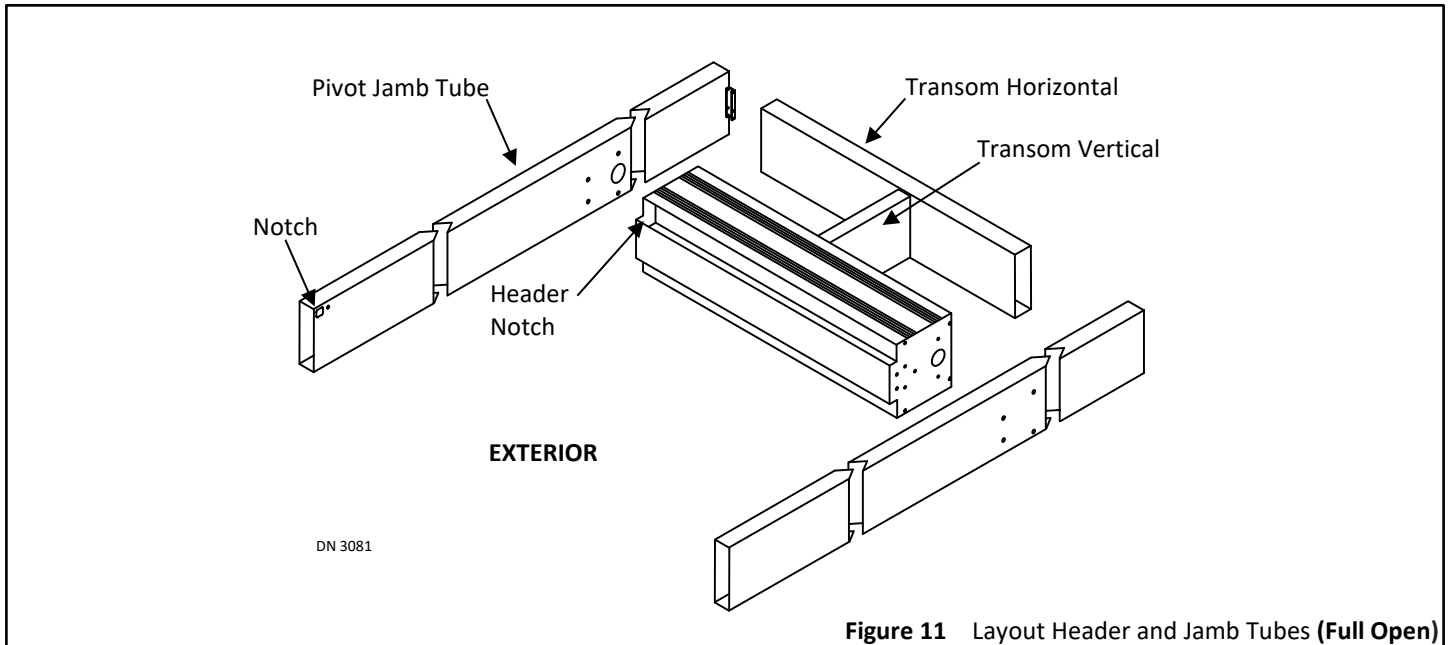


Figure 11 Layout Header and Jamb Tubes (Full Open)

NOTICE

Sidelite side of Header (with Notch) must face the Exterior side of the building.

1. Place the Header on a flat surface so the Access Cover with (1) Notch, is facing "Up".
 - a. Notch in Cover is used to keep the upper corner of Sidelite from hitting the Door Frame when the Sidelite is broken out.
2. Lay down the Pivot Jamb Tube next to the Pivot Side of Header.
 - a. The Notch on Pivot Jamb Tube must face the inside of Door Frame and be "Up" from the floor.
 - b. The Notch allows the Bottom Guide to slide inside the Jamb Tube so the Lead Door can fully open.
3. Lay down the Strike Jamb Tube so the inside face is positioned next to the Strike Side of Header.
 - a. Ensure that the Switch Opening is facing "down" onto the floor.
4. Align pre-drilled screw holes located on Jamb Tubes with each End Cap of Header. Ensure the Transom Horizontal is between both Transom Clips.

SECTION 5.3: Prepare the Door Frame (Fixed Sidelite)

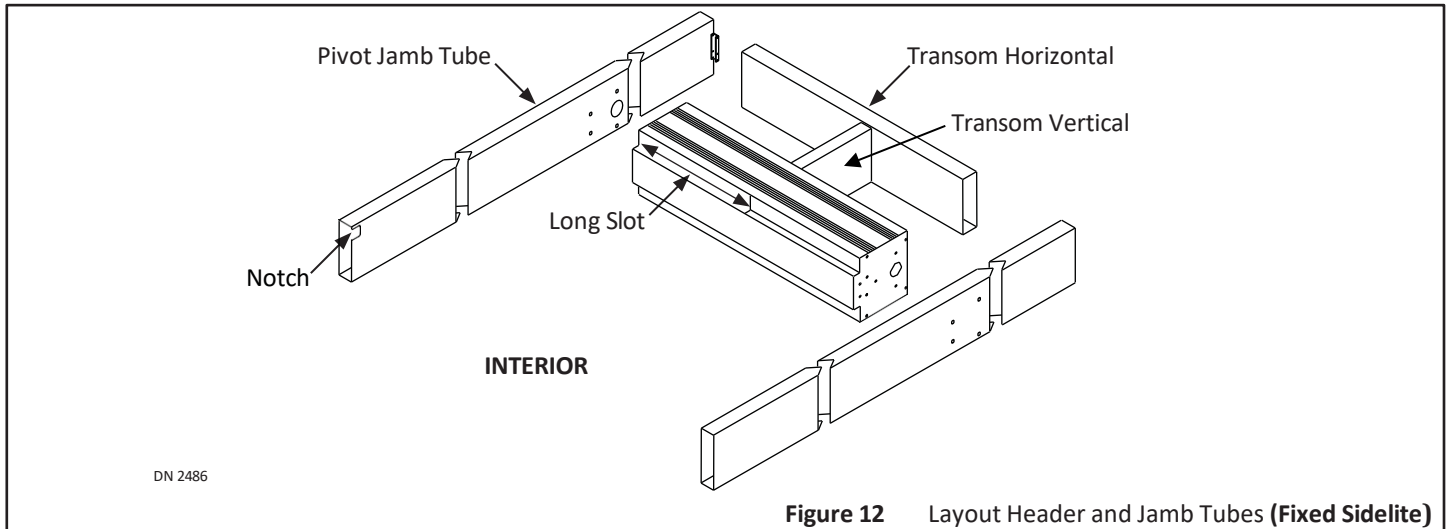


Figure 12 Layout Header and Jamb Tubes (Fixed Sidelite)

NOTICE

Sidelite side of Header (with Long Slot) must face the Interior side of building.

1. Place the Header on the floor so the Access Cover with (1) long slot is facing "Up".
 - a. The long slot (located above the Sidelite) allows the Header Cover to open/close without obstruction.
2. Lay down the Pivot Jamb Tube next to the Pivot Side of Header, so the Notch at the bottom is facing inside the Door Frame and be "Up" from the floor.
 - a. Notch is used to allow the Roller Wheel to partially enter so the Slide Door can fully open.
3. Lay down the Strike Jamb Tube so the inside face is next to the Strike Side of Header.
 - a. Ensure the Switch Opening is facing "Up" from the floor.
4. Align pre-drilled screw holes located on Jamb Tubes with End Caps of Header. Ensure the Transom Horizontal is between both Transom Clips.

SECTION 5.4: Secure Jamb Tubes to Transom Horizontal

1. Slide each Transom Clip inside the open ends of the Transom Horizontal.
 - a. Ensure the predrilled screw holes on both the Header and Jamb Tubes are still aligned.
2. Secure the Transom Horizontal to each Transom Clip with (2) 1/4-20 x .438-inch Screws.

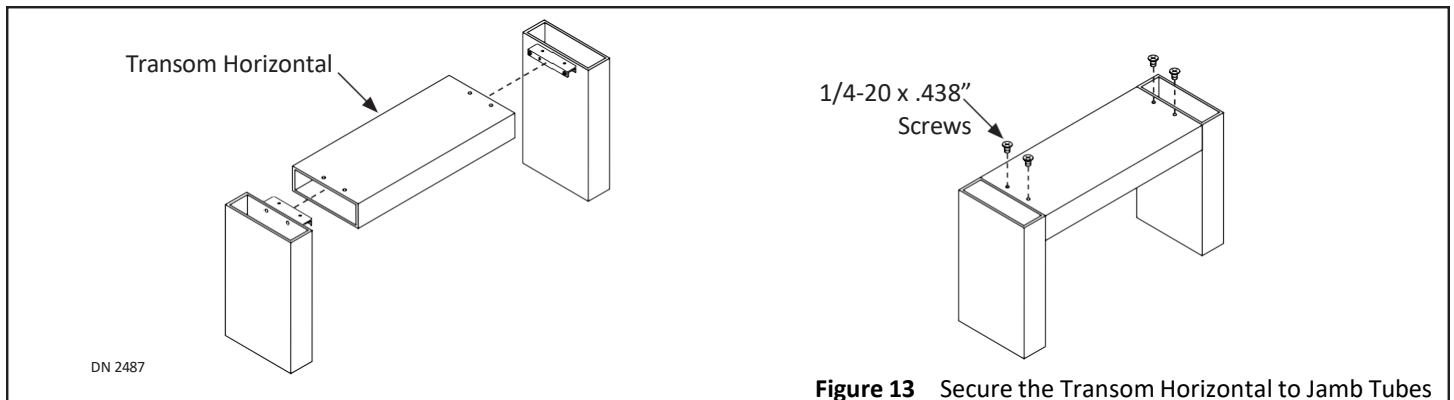
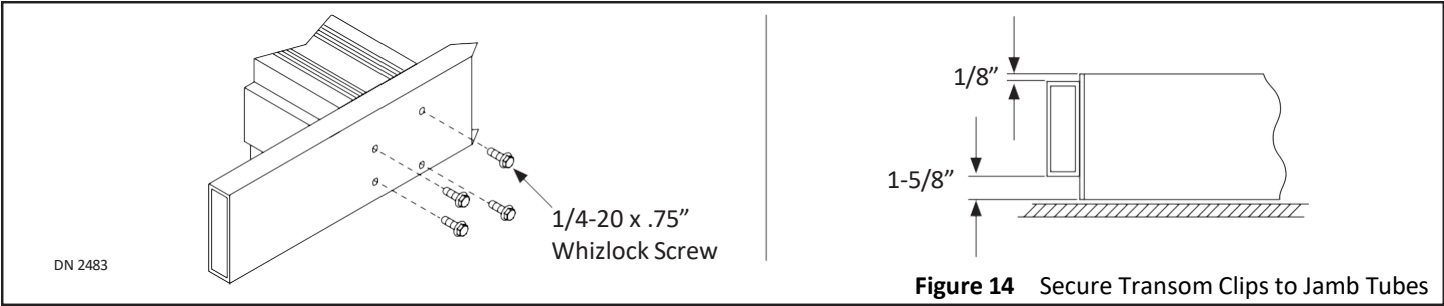


Figure 13 Secure the Transom Horizontal to Jamb Tubes

SECTION 5.5: Secure Jamb Tubes to Header

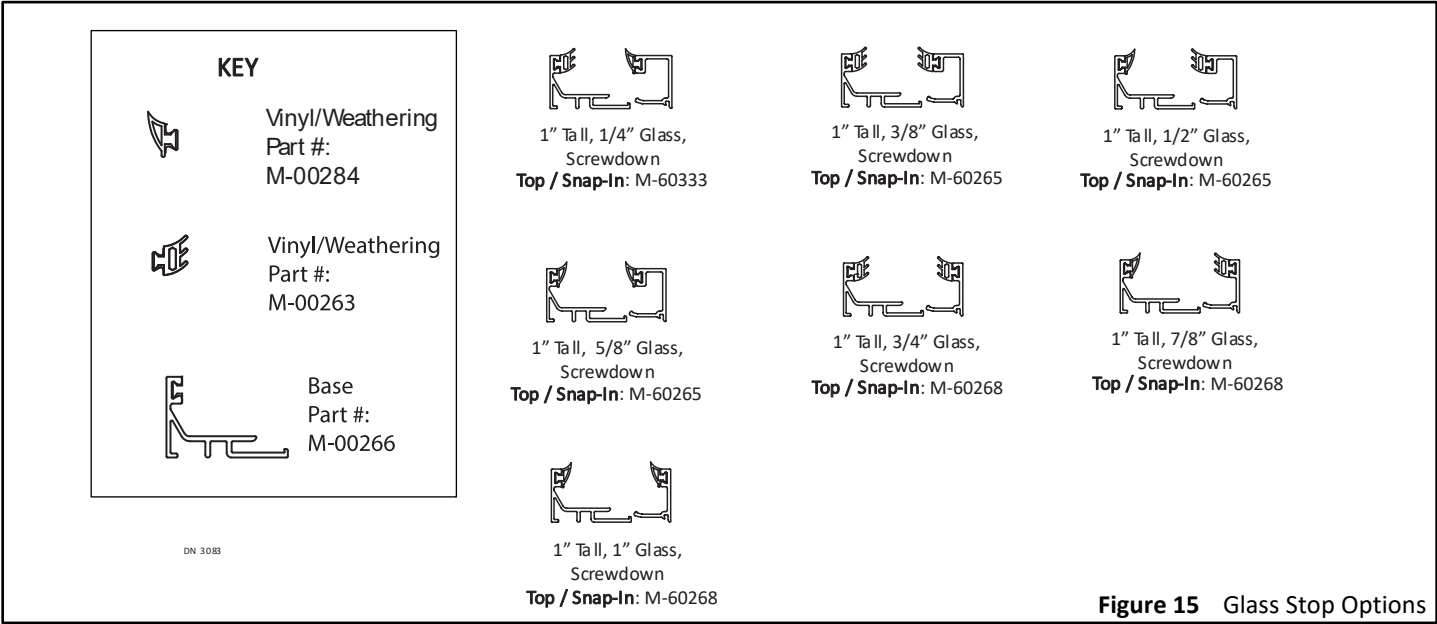
1. Secure the Header to each Jamb Tube with (4) 1/4-20 x .75-inch Screws.

a. If assembled correctly, the Jamb Tubes will be approximately 1-5/8 inches from the floor.



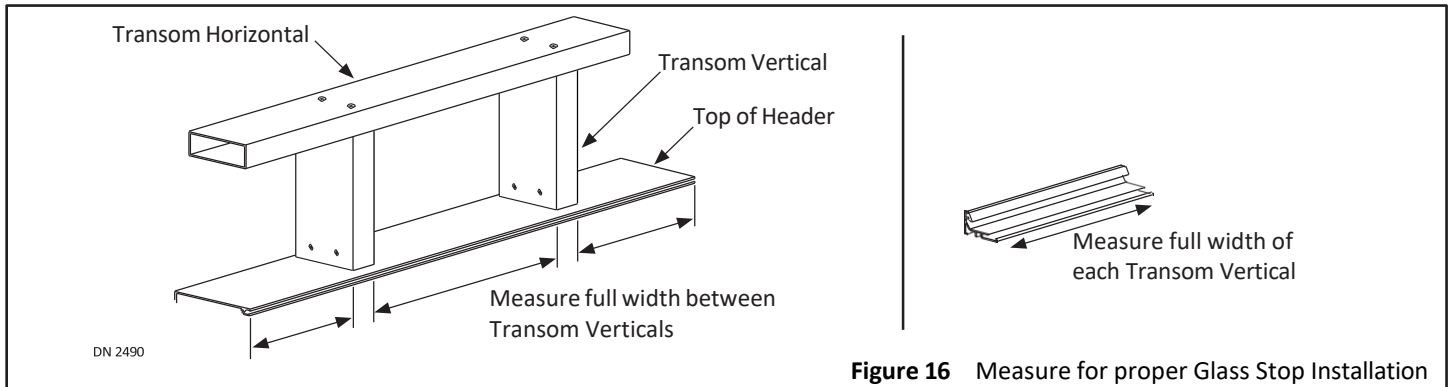
SECTION 5.6: Secure Base Glass Stops to Header and Transom Horizontal

- 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.*

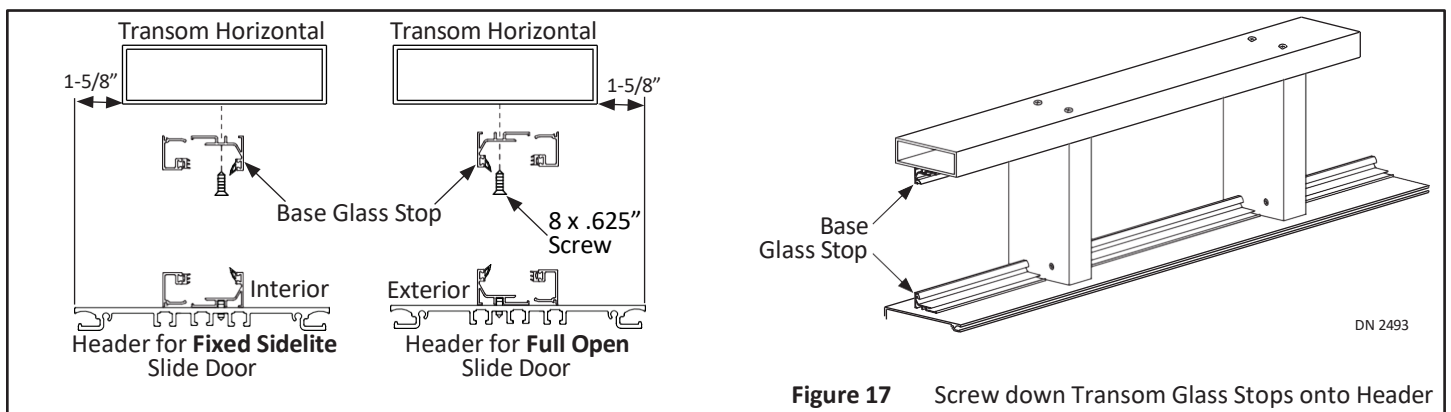


1. Measure/mark down the full width between each Jamb Tube and Transom Vertical; then between each Transom Vertical.

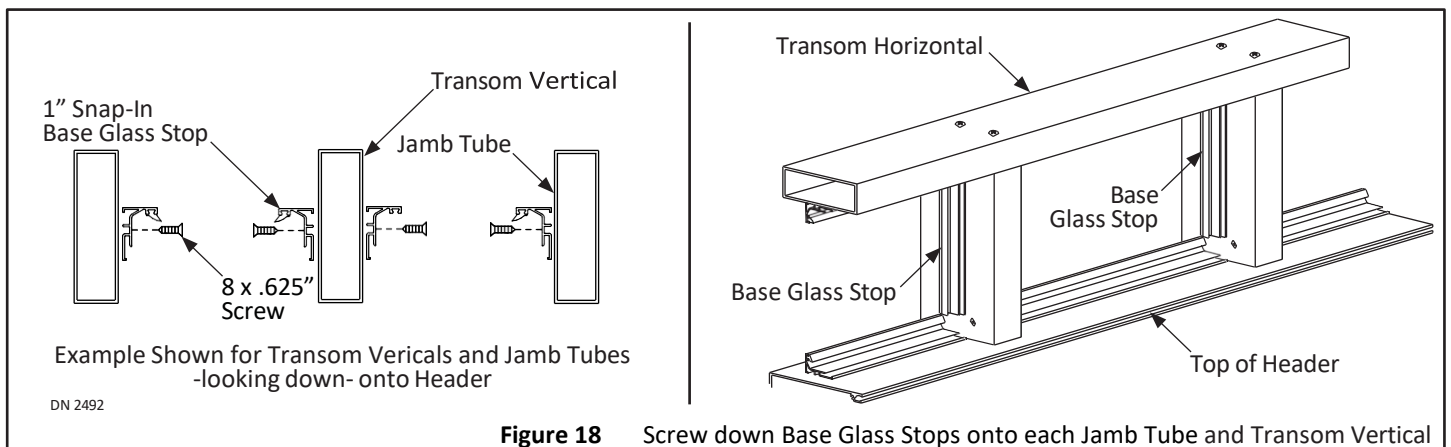
2. Before installing, measure the full width of each Base Glass Stop to determine proper placement.



3. Go to the top of Header.
4. Align each Base Glass Stop to the predrilled screws holes. Secure the Base Glass Stop with (1) 8 x .625" Screw.
 - a. For Full Open Slide Doors, ensure the tall back of Base Glass Stops face the *Exterior* side of building.
 - b. For Fixed Sidelite Slide Doors, ensure the tall back of Base Glass Stops face the *Interior* side of building.
5. Go to each Transom Horizontal. Repeat Step 4.



SECTION 5.7: Secure Base Glass Stops to Jamb Tubes and Transom Verticals

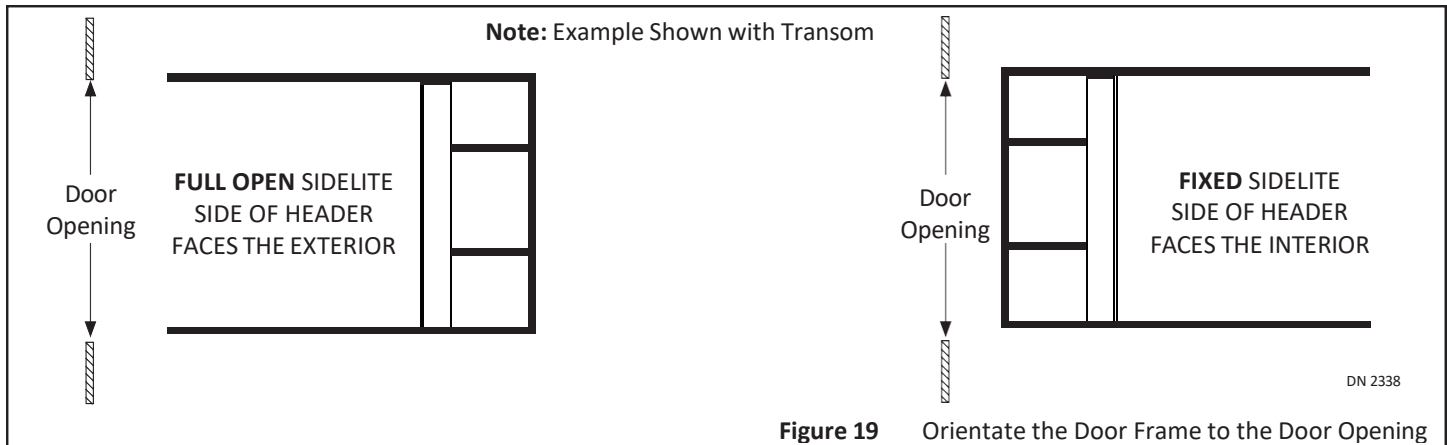


1. Go to each Transom Vertical.
2. Align each Base Glass Stop to the predrilled screws holes. Secure the Base Glass Stop with (1) 8 x .625" Screw.
 - a. For Full Open Slide Doors, ensure the tall back of Base Glass Stops face the *Exterior* side of building.
 - b. For Fixed Sidelite Slide Doors, ensure the tall back of Base Glass Stops face the *Interior* side of building.
3. Go to each Jamb Tube. Repeat Step 2.

CHAPTER 6: INITIAL ASSEMBLY - INSTALL DOOR FRAME

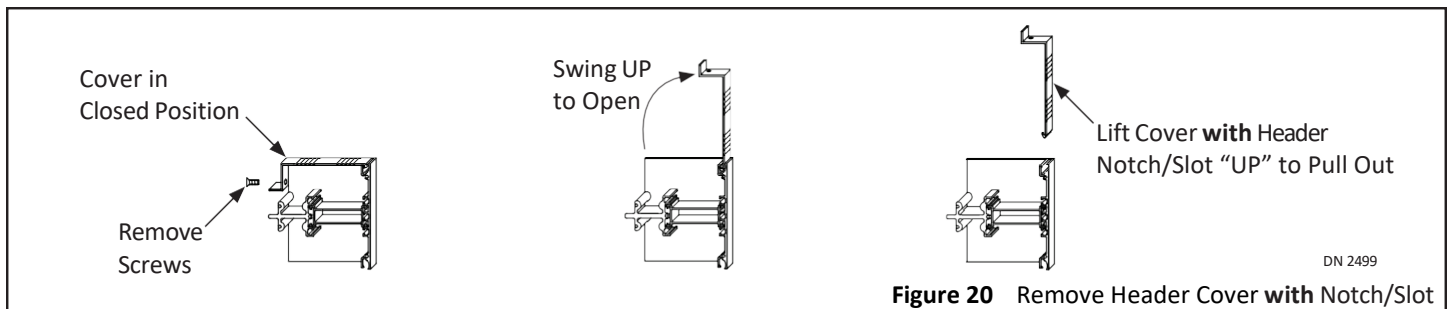
SECTION 6.1: Position the Door Frame

- Orientate the Door Frame in relation to the building.
 - Full Open:** Sidelite Side of Header (with Notch) must face the Exterior side of building.
 - Fixed Sidelite:** Sidelite Side of Header (with Long Slot) must face the Interior side of building.



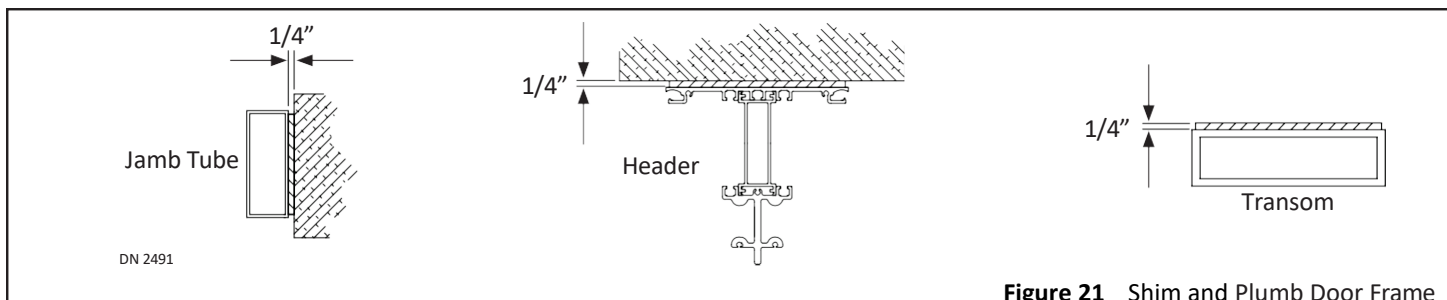
SECTION 6.2: Remove Second Header Cover

- Go to the Header Cover (with Notch/Long Slot). Remove (2) 10-24 x 0.625-inch Screws from the Bottom Lip.
- Lift the Header Cover "Up" then pull it out.



SECTION 6.3: Insert Door Frame into Rough Opening

- Lift to position the assembled Frame into the rough opening.
- 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.



SECTION 6.4: Secure Door Frame with Anchors

1. Anchors are not provided by NABCO.
2. Anchors must be appropriate for the type of structure being fastened to.
3. Screw in anchors to secure the Frame (per anchor manufacturer's specifications).

NOTES:

- It is recommended to countersink holes as required to flush the surface.
- It is recommended to drill tap threads for 1/4-inch anchors in a steel or aluminum structure.
- Do not overtighten anchors to prevent deforming Jamb Tubes.

6.4.1 Jamb Tubes

Use 1/4-inch diameter anchors with a minimum of 3 per Jamb tube, maximum is 48 inches on center. Drill 1/4-inch diameter holes in the face of Jamb and then countersink each hole.

6.4.2 Header

NOTE: Header anchors must be located next to upper Box Beam Clips (not between them).

Use 1/4" diameter anchors to secure header to building structure. First anchor must be within 36" from the end of the header. Maximum anchor spacing is 48".

6.4.3 Transom

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. Drill 1/4-inch diameter holes in the face of Jamb and then countersink each hole.

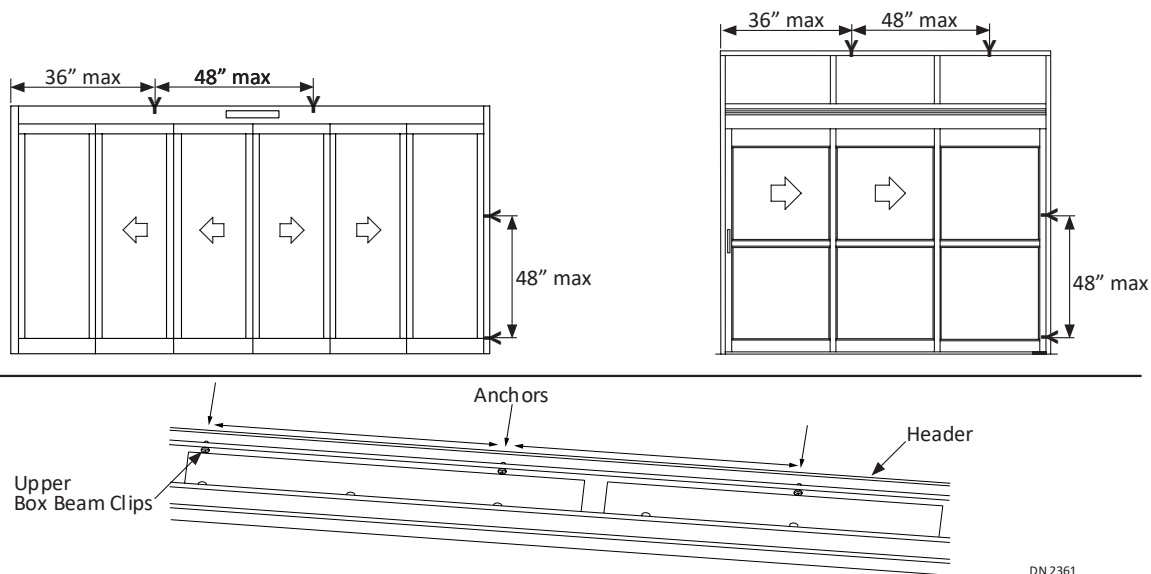


Figure 22 Anchor Placement

CHAPTER 7: INITIAL ASSEMBLY – INSTALL THE THRESHOLD AND GENERAL WIRING

SECTION 7.1: Install The Threshold

NOTICE

The Threshold must be laid down so the Channels are located on the side of Slide Door.

NOTE: Thresholds are factory cut to be the same width as the door opening. However, extending the Threshold across the entire door opening is optional. To order additional track, please contact customer service at 1-877-622-2694, Option 1.

Standard Thresholds vary in width and can be installed in two different ways:

- ▶ Recessed: Installed into the floor (1/2 inch deep) across the full length of the track.
- ▶ Surface: Installed on the surface of the floor with ramps attached to both sides.

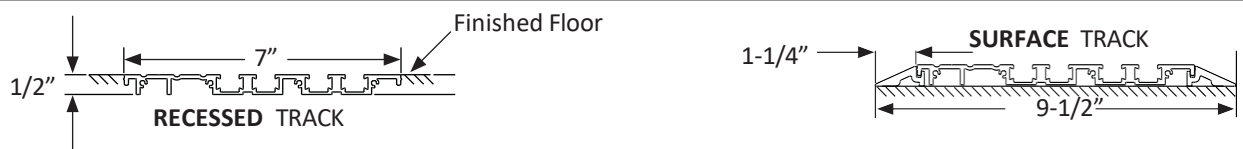


Figure 23 Recessed vs Surface Track

1. Go to each end of Threshold. Mark and drill (1), 1/4-inch hole approximately 4" from each edge.
2. Mark and drill 1/4-inch 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. Apply Caulking bead under the Threshold.
5. Secure the Threshold with Fasteners not provided by NABCO.

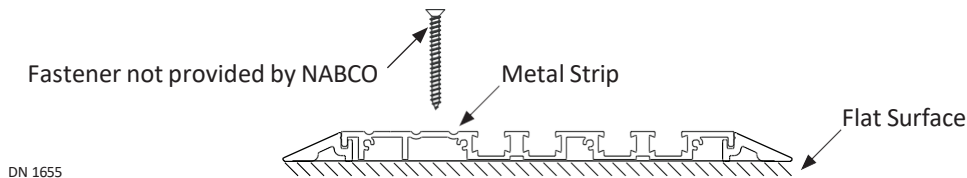
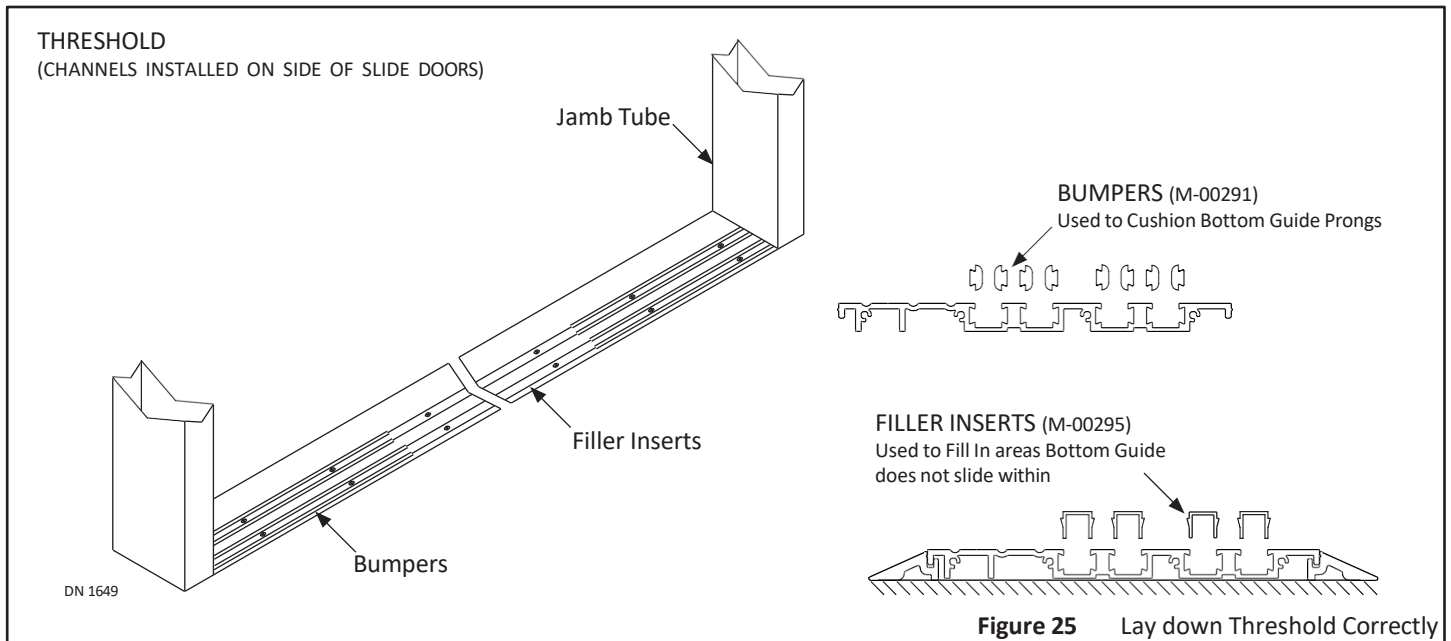
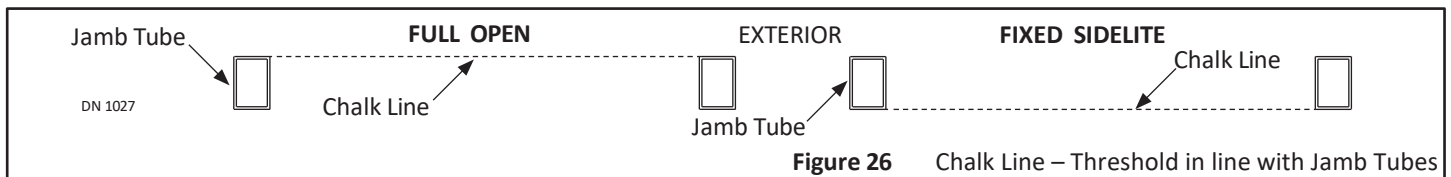


Figure 24 Secure Threshold to Flat Surface

SECTION 7.2: Install the Surface Threshold



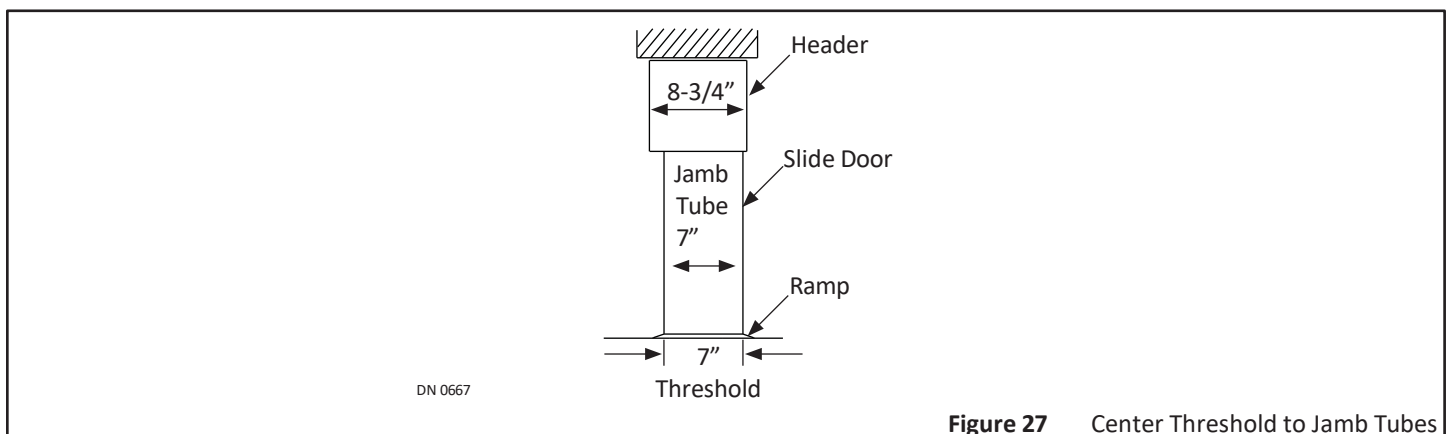
1. On the same side of Door Frame where the Sidelite will be installed, snap a chalk line on the floor from Jamb to Jamb.



NOTICE

Do not center the Surface Threshold to HEADER as this will cause misalignment.

2. Lay down the Threshold so the Bumper Channels are on same side of Slide Doors.
3. Ensure the Threshold is centered to Jamb Tubes, and full length is flush with the chalk line.



SECTION 7.3: Install the Recessed Threshold

1. On the same side of Door Frame where the Sidelite will be installed, snap a chalk line on the floor from Jamb to Jamb.
2. Create a channel that is 1/2-inch-deep x 7 inches wide x full length of Threshold.
3. Lay down the Threshold so the Bumper Channels are on same side of Slide Doors.
4. Ensure the Threshold is centered to Jamb Tubes, and full length is flush with the chalk line.

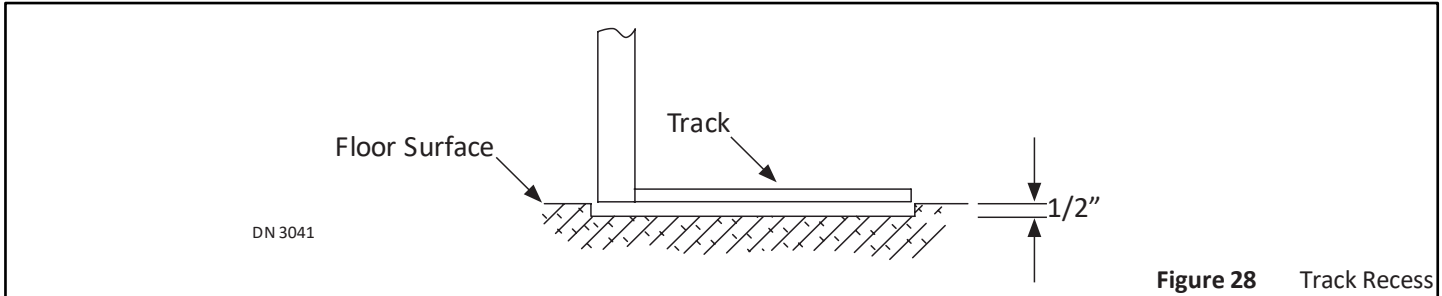


Figure 28 Track Recess

NOTICE

If you are installing a FIXED SIDELITE DOOR, go to [CHAPTER 9](#).

SECTION 7.4: General Wiring



All 120 VAC electrical wiring work performed must meet all local, state, federal and/or other governing agency codes. All electrical troubleshooting or service must be performed by qualified electrical technicians and must comply with all applicable governing agency codes.

NOTE:

It is recommended for the electrician to house all Incoming 120 VAC wires within an Electrical Conduit.

SECTION 7.5: Wire The Rocker Switch

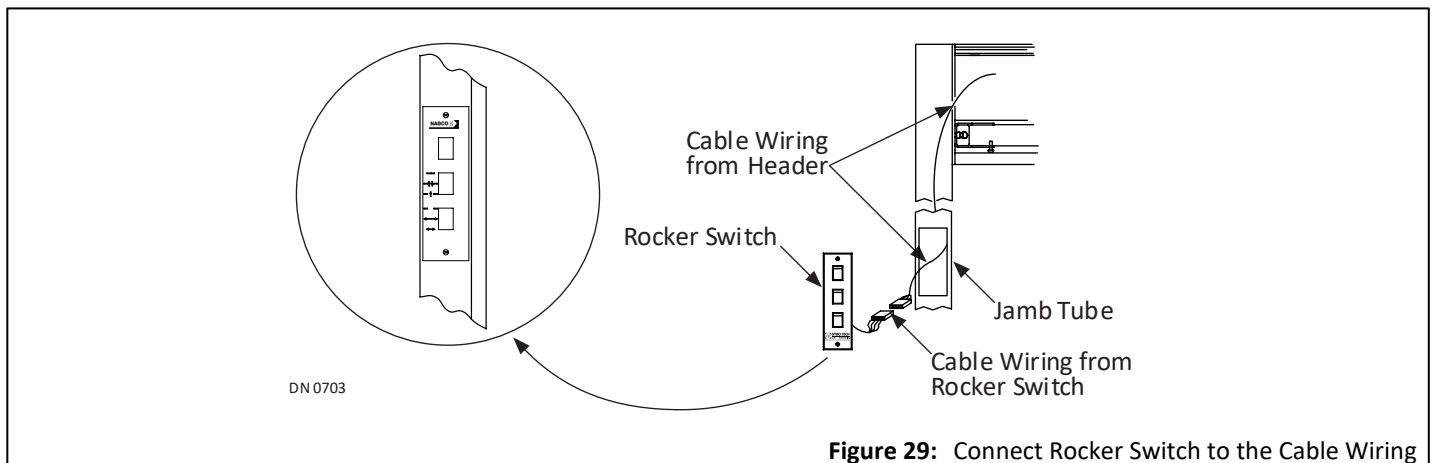
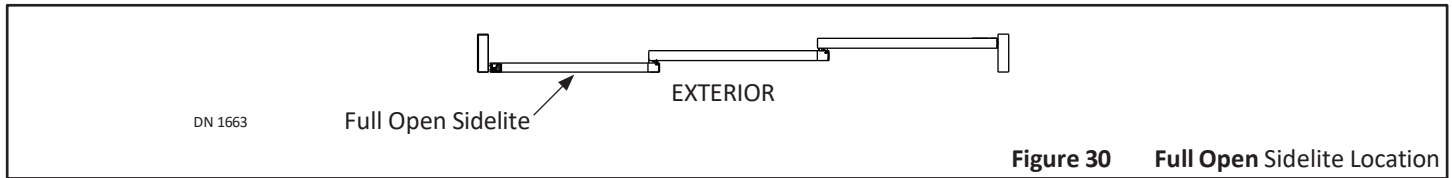


Figure 29: Connect Rocker Switch to the Cable Wiring

1. Remove the Rocker Switch and (2) screws from the Jamb Tube.
2. There is approximately (2) feet of Cable Wiring connected to the Main Harness inside the Header. Withdraw the Cable Wiring through a hole at the bottom Lip of Header. Continue to route the Cable Wiring through the top of Jamb Tube, then downward.
3. Pull the Cable Wiring through the cut out. Connect the Cable Wiring to the Rocker Switch Harness.
4. Secure the Rocker Switch to the Jamb Tube with (2) screws.

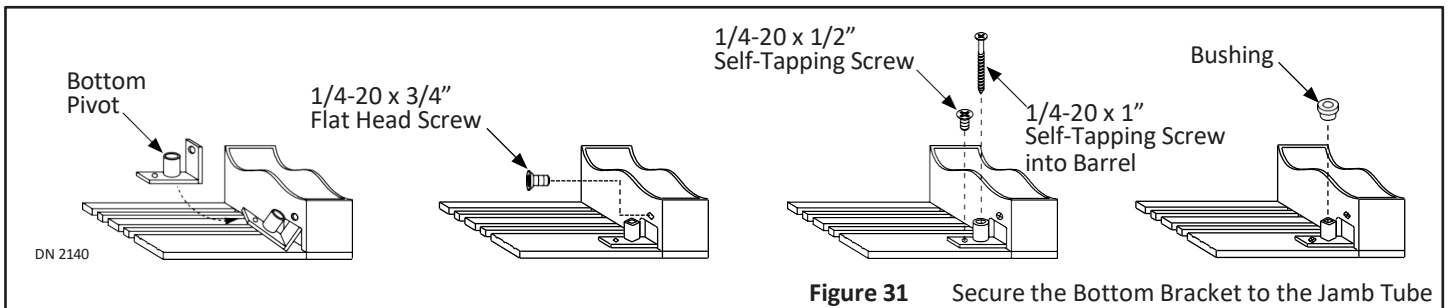
CHAPTER 8: SECONDARY ASSEMBLY - INSTALL ALL FULL OPEN PANELS

SECTION 8.1: Install the Sidelite(s) (Full Open)



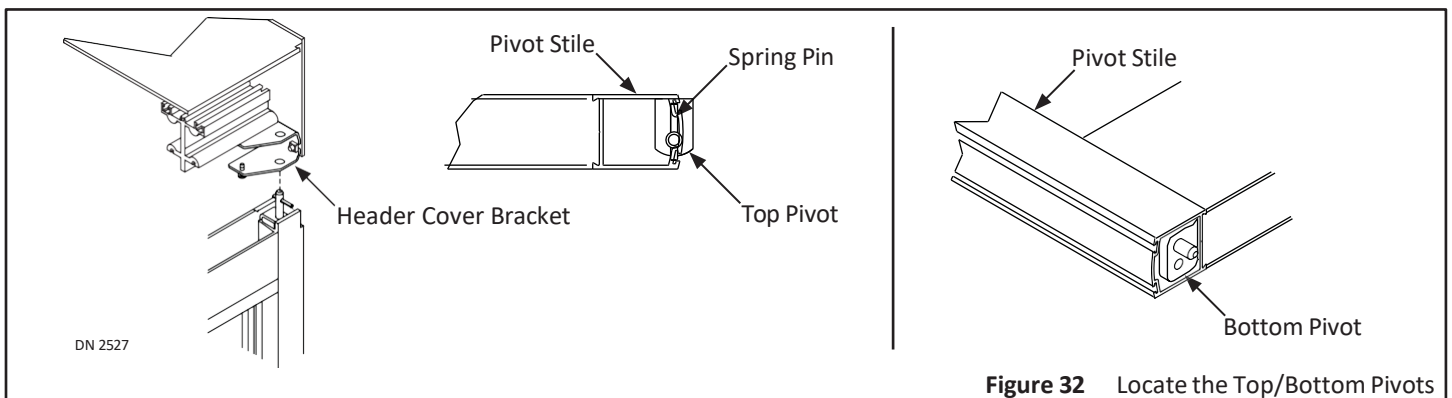
8.1.1 Secure the Bottom Pivot to the Jamb Tube

1. Secure the Bottom Pivot to the Pivot Jamb Tube with (1) 1/4-20 x 1/2-inch Phillips Head screw.
2. Locate the screw hole in front of the Barrel. Secure Floor Pivot to Threshold with (1) 1/4-20 x 1/2-inch Phillips Head Screw.
3. Insert (1) 1/4 x 2-3/4-inch Phillips Head Screw inside the Barrel. Tighten.
4. Cap the Barrel with (1) Bushing.



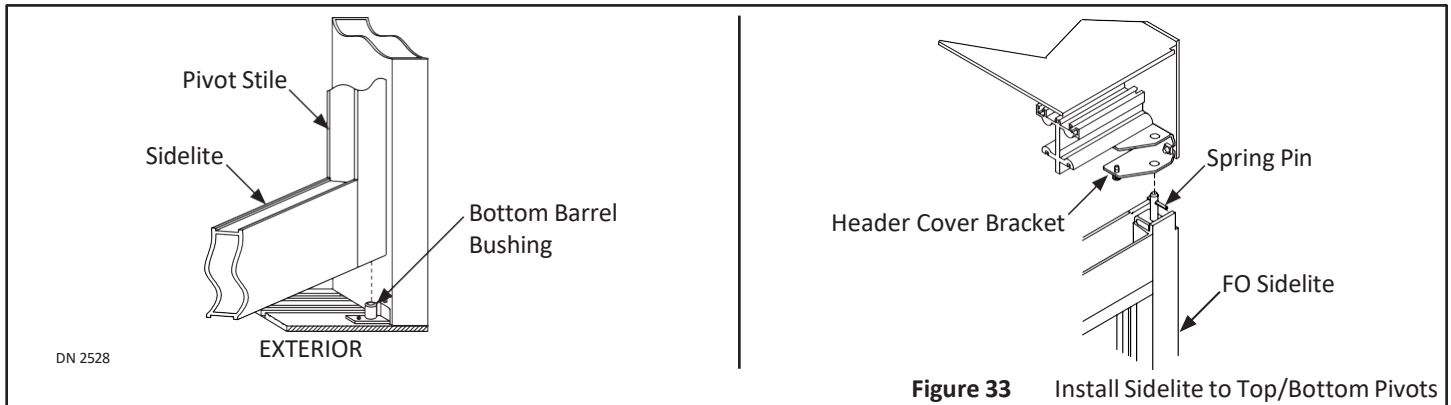
8.1.2 Hang the Sidelite Panel onto the Upper/Lower Pivots

1. Go underneath the Sidelite. Locate the Bottom Pivot inside the Pivot Stile.
2. Go to the top of Sidelite. Locate the Top Pivot inside the Pivot Stile.

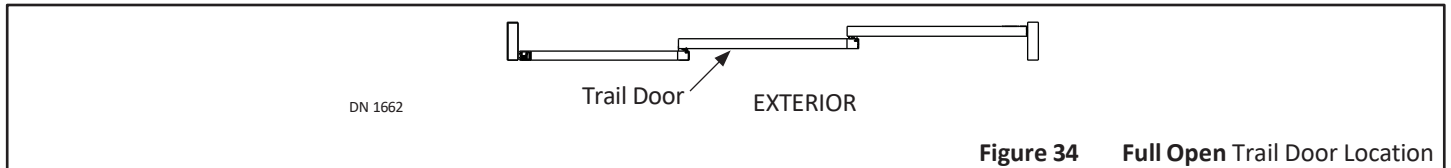


3. Slide the Bottom Pivot into the Bottom Barrel Bushing so it is fully inserted into the Hole.
4. Go to the Header Cover Bracket at the bottom of Header. Locate (1) predrilled Pivot Hole.
5. Go to the Top Pivot. Press the Spring Pin down.
6. Align the Top Pivot with the Pivot Hole.

7. Release the Spring Pin to allow the Top Pivot to snap “Up” into the Pivot Hole.
 - a. Ensure the Top Pivot fully engages the Pivot Hole.
 - b. If necessary, use a flathead screwdriver to lift “Up” on the Spring pin until the Pivot is fully seated.



SECTION 8.2: Install the Trail Door(s) (Full Open)



NOTE: The Trail Door must always be installed on the opposite side of the VS-150 Drive Pulley.

1. Swing open the Sidelite Panel 90°.
2. Go to the Header Cover with the notch / long slot on the **EXTERIOR** side of Building and open and remove the Cover.

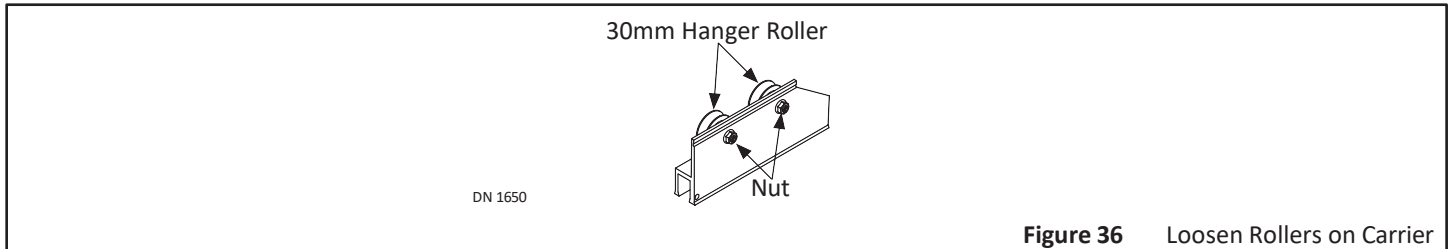


3. Close the Sidelite Panel.
4. Go to the Carrier on top of the Trail Door.

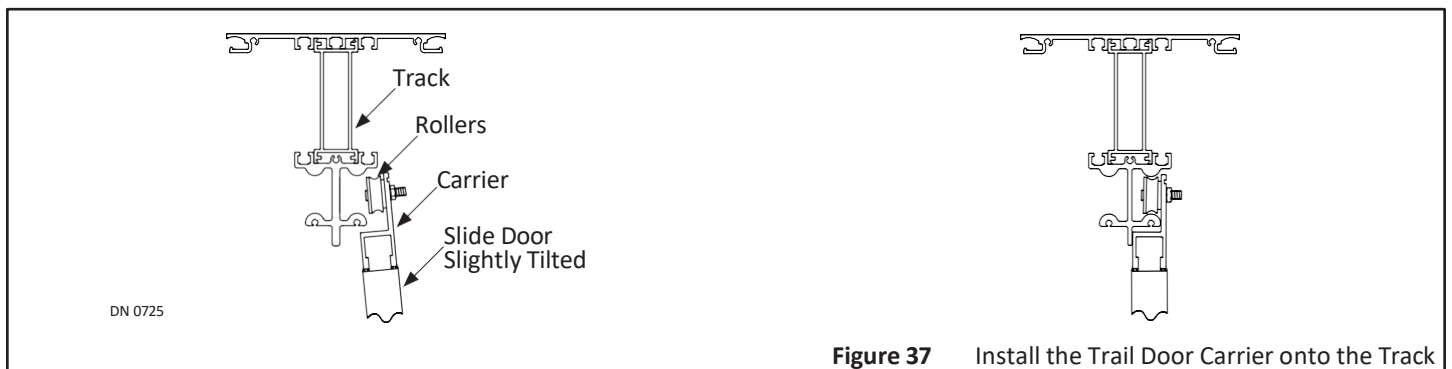
5. On the carrier, on top of the Trail Door, loosen (1) 5/16-18 Whiz Lock Nut holding each Roller in place by inserting (1) 5/32" Allen wrench into the exposed end of a Roller Axle.
6. Hold the 5/32-inch Allen wrench in place to keep the Roller Axle stationary. At the same time, loosen (1) 5/16-18 Whiz Lock nut with a 1/2 -inch Open End Wrench.



Do not rotate the Roller Axle counterclockwise. Doing so will unthread the Axle from the Roller Assembly.



7. To make it easier for rollers to “catch onto the track”, slightly tilt and lift the Trail Door into the Header, and onto the Track.



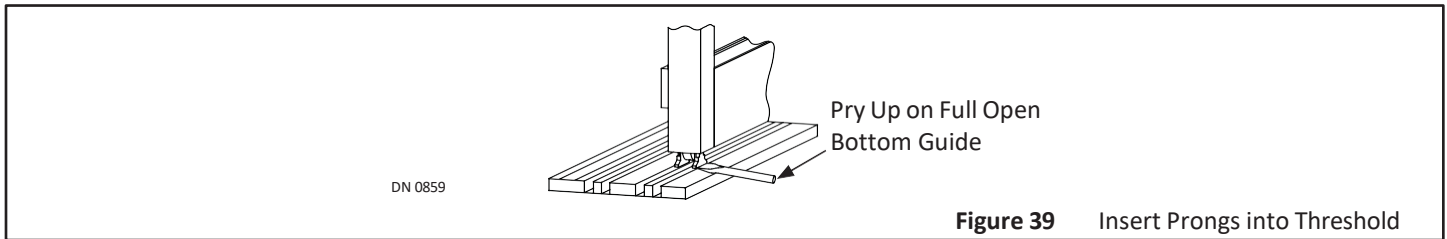
8. Secure the Belt Clip to the Carrier with (2) 1/4-20 x 1-inch Whizlock screws.

FOBP LH Trail Door Bottom Belt Clip

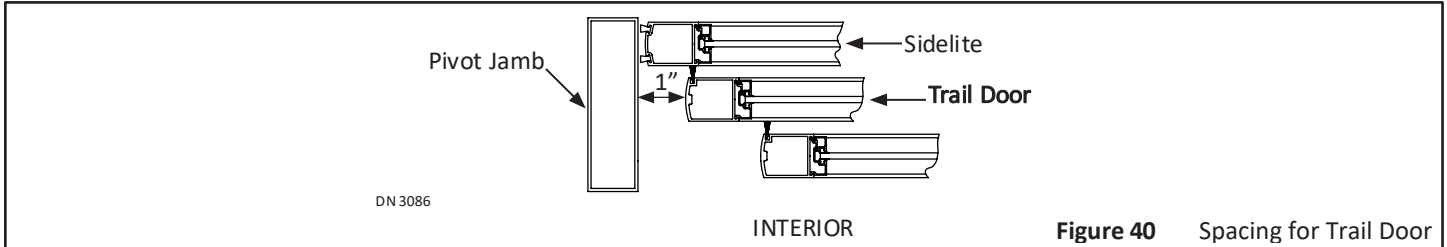


Figure 38 Install the Trail Door Carrier onto the Track

9. Lift "Up" the Prongs located on the pre-installed Bottom Guide. Align and drop the Prongs into the Threshold accordingly.



10. Adjust the Belt Clip so the Fully Open position for the Trail Door stops 1 inch away from the Pivot Jamb.



11. Please refer to [SECTION 10.2 – Adjustments](#), to adjust the Trail Door.

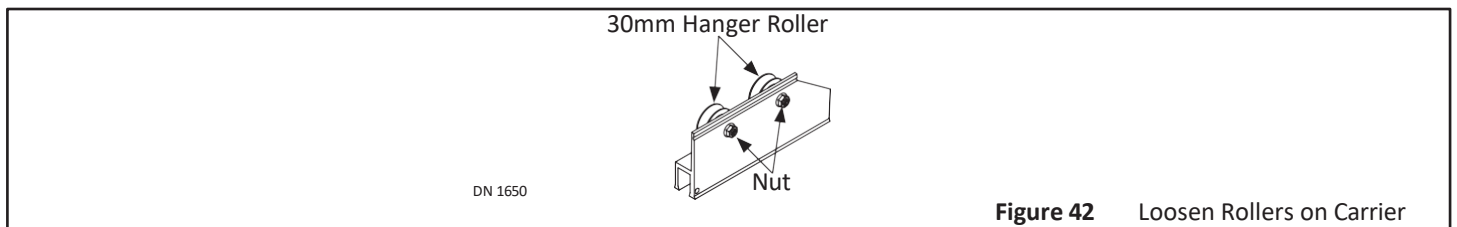
SECTION 8.3: Install the Lead Door(s) (Full Open)



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



1. On the carrier, on top of the Lead Door, loosen (1) 5/16-18 Whiz Lock Nut on each Roller by inserting (1) 5/32" Allen wrench into the exposed end of a Roller Axle.



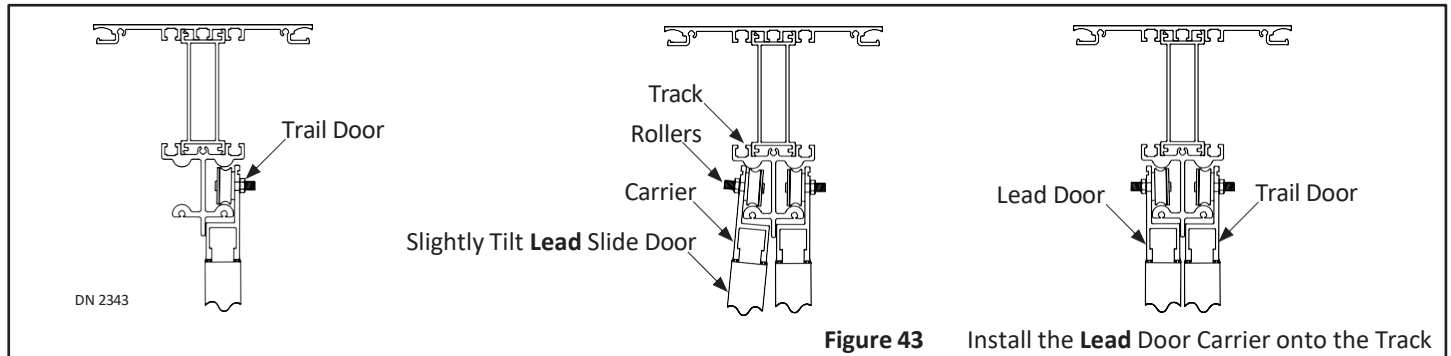
2. Hold the 5/32-inch Allen wrench in place to keep the Roller Axle stationary. At the same time, loosen (1) 5/16-18 Whiz Lock nut with a 1/2-inch Open End Wrench.



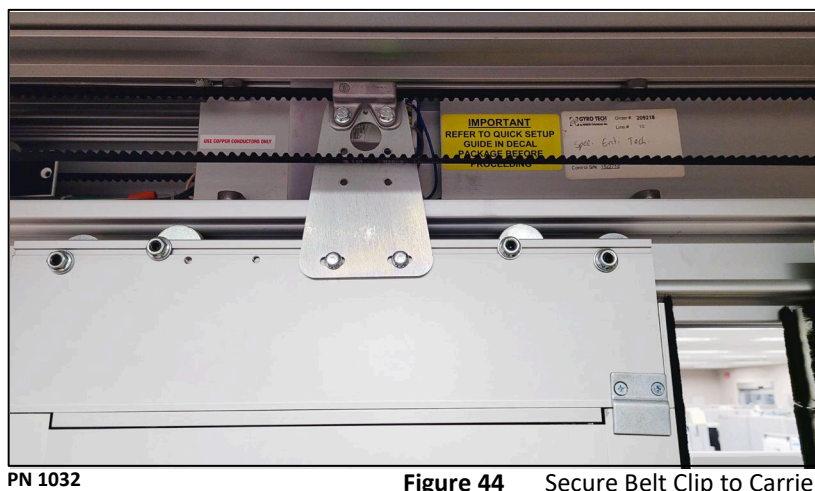
Do not rotate the Roller Axle counterclockwise. Doing so will unthread the Axle from the Roller Assembly.

3. On the **INTERIOR** side of Building, open and remove the Header Cover.

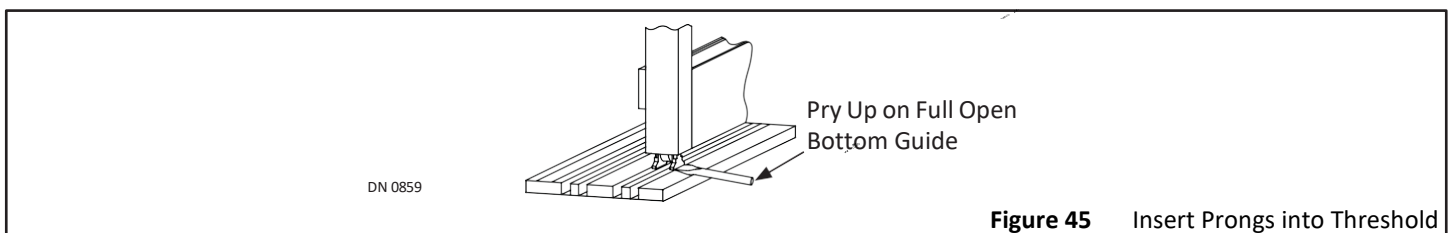
4. To make it easier for rollers to “catch onto the track”, slightly tilt and lift the Lead Door into the Header, and onto the Track.



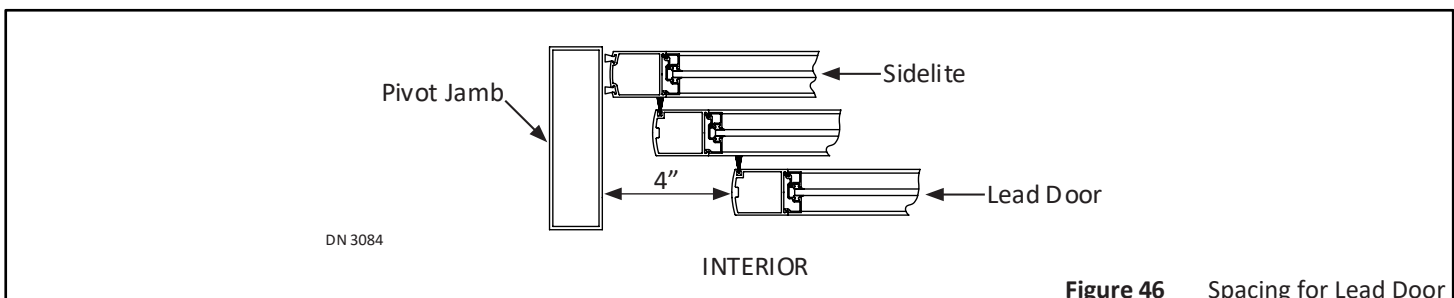
5. Secure the Belt Clip to the Carrier with (2) 1/4-20 x 1-inch Whizlock screws.



6. Lift “Up” the Prongs located on the pre-installed Bottom Guide. Align and drop the Prongs into the Threshold accordingly.



7. Adjust the Door Stop so the Fully Open position for the Lead Door stops 4 inches away from the Pivot Jamb.



8. Please refer to [SECTION 10.2: Adjustments](#), to adjust the Lead Door.

SECTION 8.4: Finish Installing the Lead Door(s) (Full Open)

8.4.1 Loosely Install the Limit Arm



PN 1035

Figure 47 Header with Notch and Loose Limit Arm

1. Replace the Header Cover with notch / long shot.
2. Slide (1) .255 ID x .900 OD x .125 THK Nylon Washer onto (1) 1/4-20 x 1 inch Screw.
3. Obtain the Limit Arm. Go underneath the end. Slide the Screw assembly "Up" into the Screw Hole.
4. Go to the pre-drilled screw hole located at the bottom Lip of Header Cover (on the Pivot Side of Sidelite).
5. Tighten the Screw just enough to keep the Limit Arm assembly from falling out of the hole.
 - a. Limit Arm installation is completed after the Full Open Sidelite is fully installed.

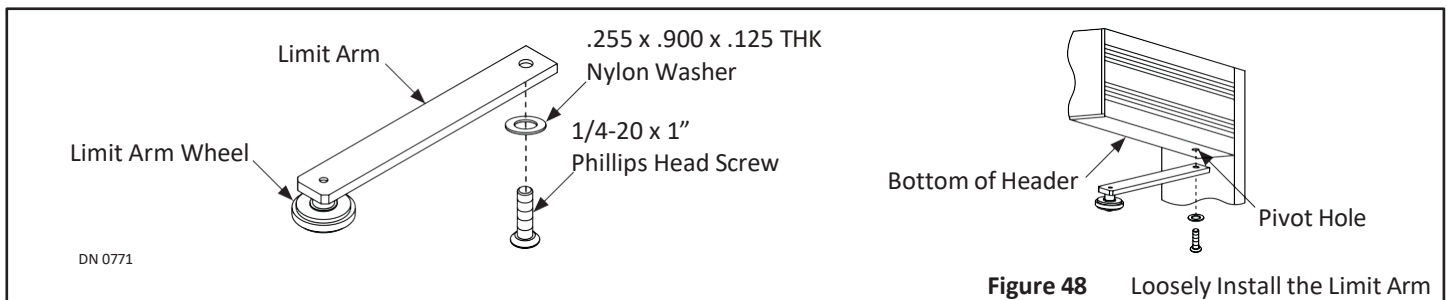


Figure 48 Loosely Install the Limit Arm

8.4.2 Complete the Installation of the Limit Arm

1. Swing open the Swing Sidelite 90 degrees. Rest the Limit Arm inside the Top Rail.
2. Fully Open the Sidelite Panel. Fully tighten the 1/4-20 x 1 inch Screw.

8.4.3 Adjust the Ball Detents

NOTE: Breakout resistance for Ball Detents must meet ANSI Standard A156.10 or Local Codes.

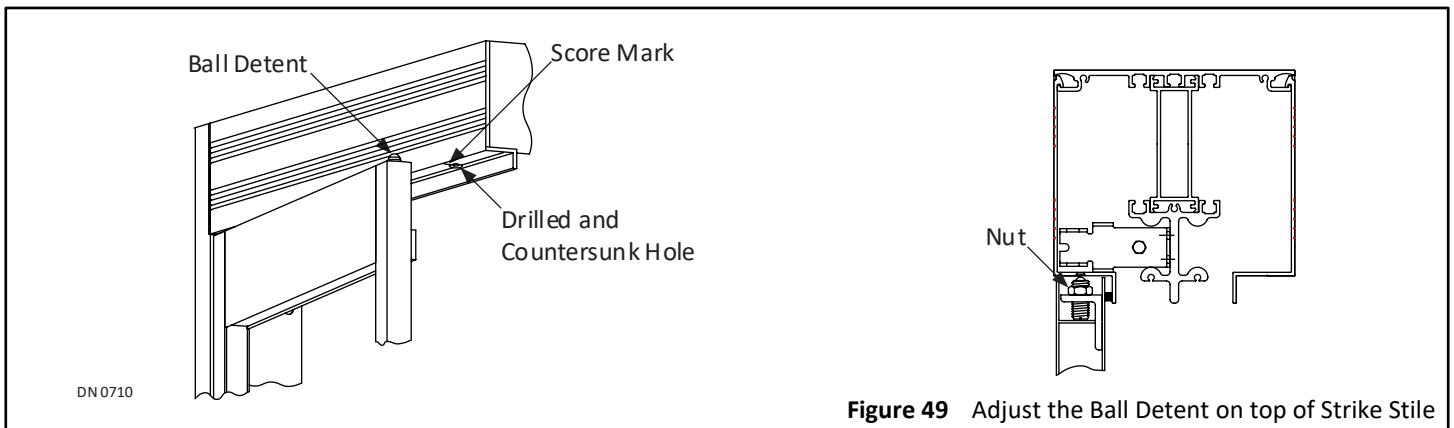


Figure 49 Adjust the Ball Detent on top of Strike Stile

1. Go to the top of Sidelite. Locate the Ball Detent inside the Strike Stile.
2. Loosen the Nut with a 15/16" Open End wrench to raise or lower the Ball Detent. Continue to loosen the Nut until it (lightly) butts up against the Bottom Lip of Header Cover.
3. Open and close the Sidelite several times to score the surface. Mark where the Score intersects the center groove.
4. Drill a screw hole through the Bottom Lip of Header Cover with a 1/4-inch drill bit. Countersink the screw hole 3/8-inch x 82°.
5. Go to the bottom of Strike Stile. With a 15/16" Open End wrench, loosen the Nut to raise or lower the Ball Detent until it (lightly) butts down against the Threshold.
6. Open and close the Swing Door several times to score the surface. Mark where the Score intersects the center groove.
7. With a 1/4-inch diameter drill bit, drill a hole through the Threshold (Just deep enough for the Ball Detent to fit within).
8. Countersink the screw hole to be 1/4-inch x 82 degrees.

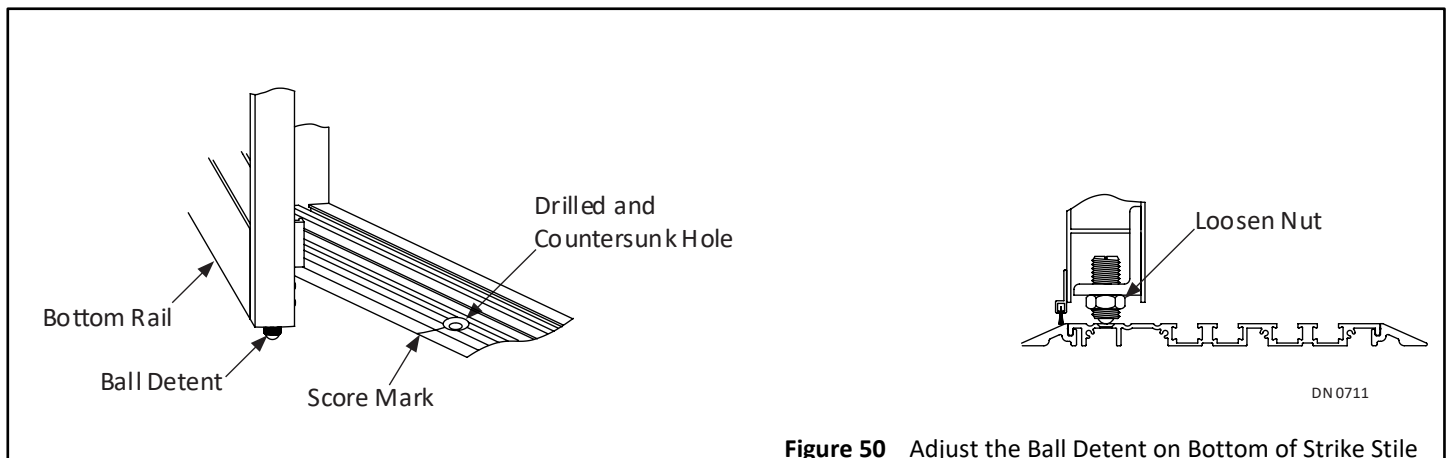
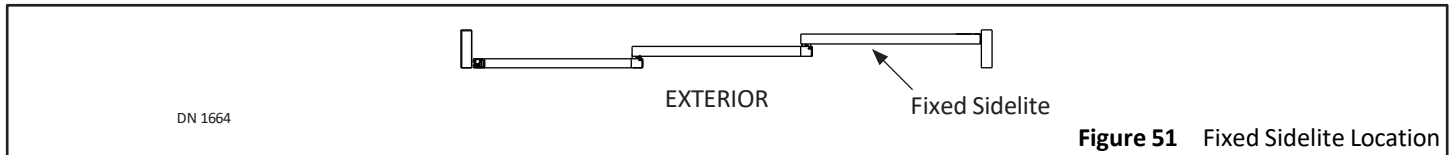


Figure 50 Adjust the Ball Detent on Bottom of Strike Stile

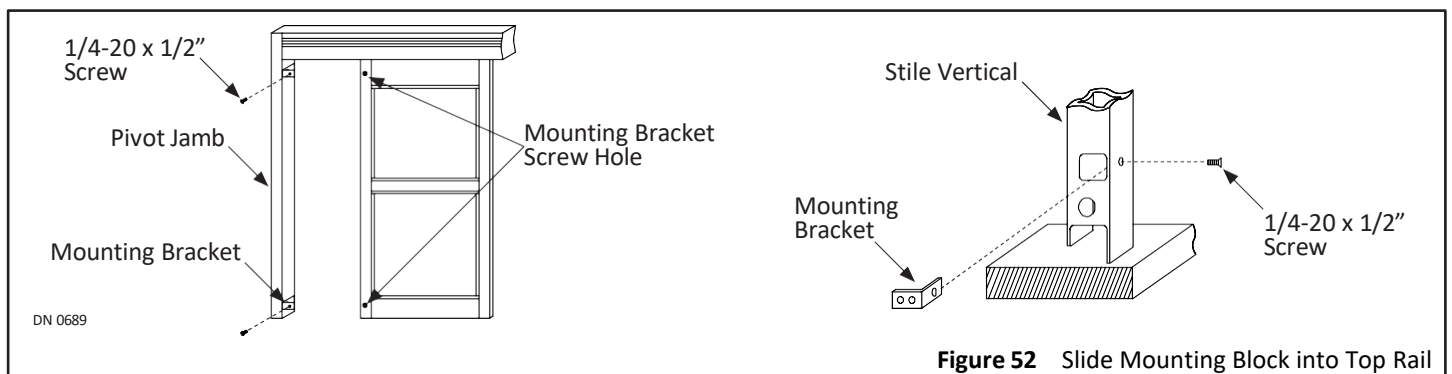
9. Close, and then Break Open the Swing door to test fit for both Ball Detents.
 - a. To adjust the fit, increase the size of the hole and countersink.
 - b. Do **not** over drill the hole. If the hole is over drilled the Threshold will need to be replaced.
 - c. For additional travel, remove the Ball Detent Bracket to lower or raise the Ball Detent.

CHAPTER 9: SECONDARY ASSEMBLY – INSTALL ALL FIXED SIDELITE PANELS

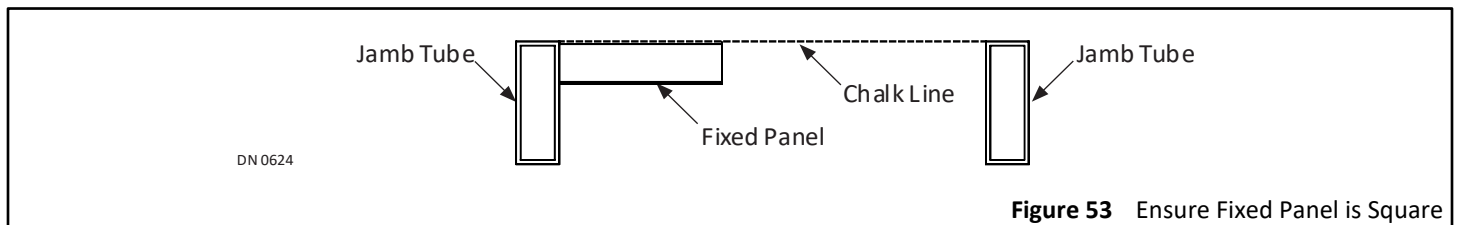
SECTION 9.1: Install The Sidelite(s) (Fixed)



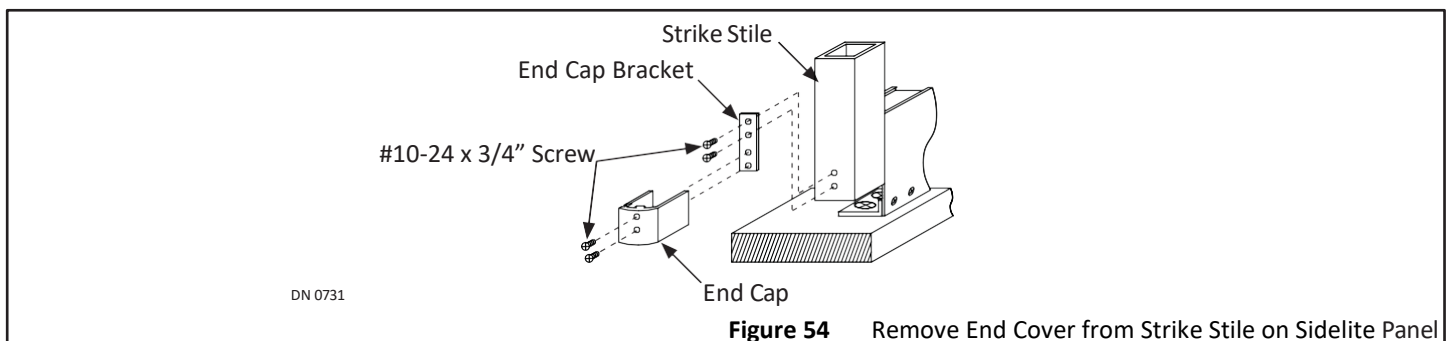
1. Go to the Pivot Jamb Tube. Locate (2) pre-installed Mounting Brackets.
2. Slide the Sidelite Panel onto the Mounting Brackets. The Mounting Bracket must go through the cutout clearance and be flush against the inside wall.
3. Temporarily secure the Sidelite Panel to the Mounting Brackets with 1/4-20 x 1/2-inch Socket Head Screws.



4. Snap a chalk line between Jamb tubes in front of Sidelite Panel, then square Sidelite Panel to chalk line.

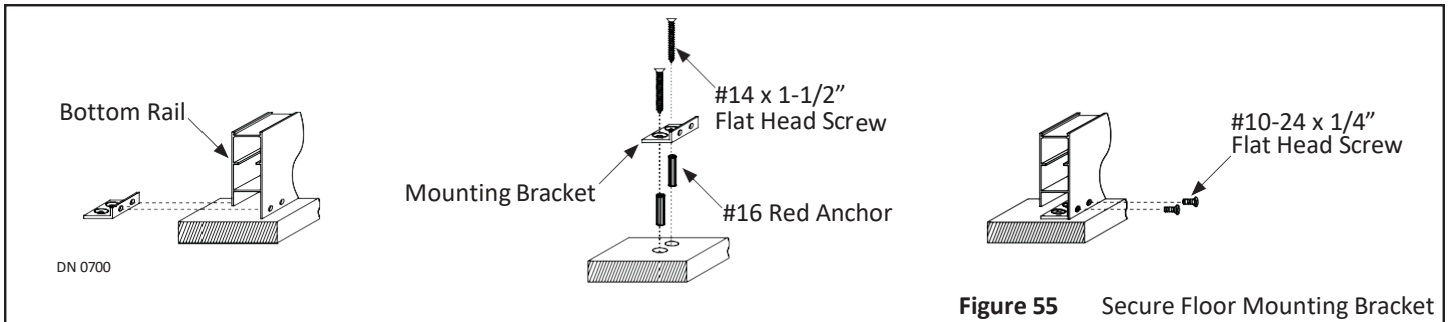


5. Go to the bottom of the Fixed Sidelite, Strike Stile. Remove the End Cap Cover and End Cap Bracket.

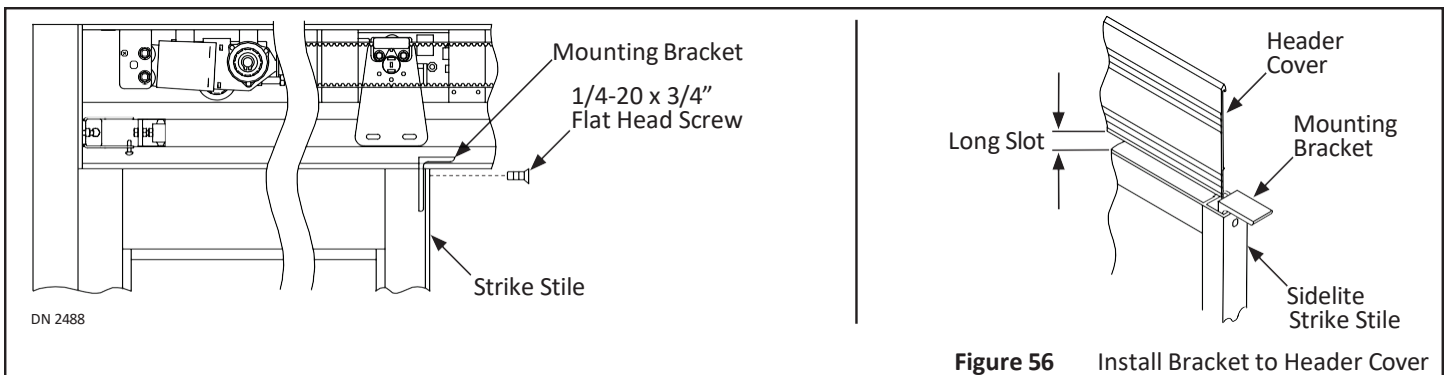


6. Slide the Floor Mounting Bracket underneath the Bottom Rail.
7. Temporarily secure the Mounting Bracket to the Sidelite Panel with (2) #10-24 Flat Head screws.
8. Trace the Mounting Bracket onto the flat surface while holding the Sidelite Panel parallel to the chalk line.

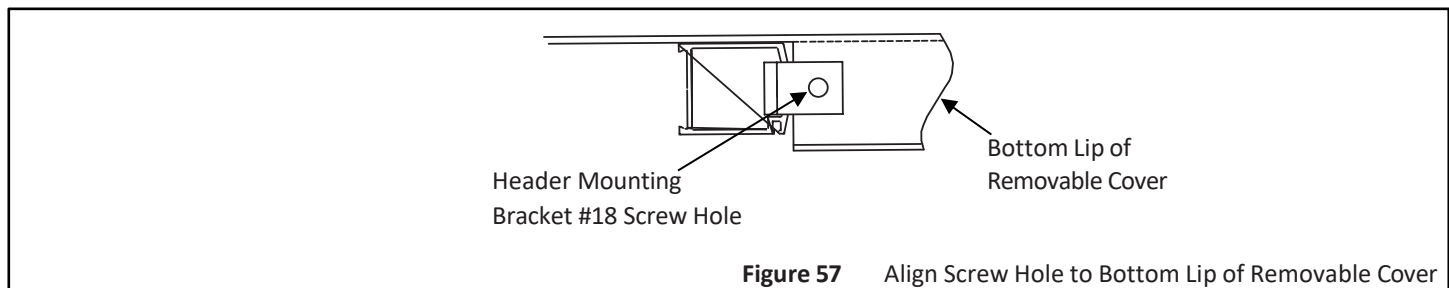
9. Remove the Sidelite from all Mounting Brackets.
10. Mark and drill (2) #14 x 1-1/2-inch screw holes into the floor at least 1-1/2 inch deep.
11. Insert (1) Anchor into each hole. Secure the Floor Mounting Bracket to the floor with (2) #14 x 1-1/2-inch Flat Head screws.
12. Permanently secure the Sidelite Panel to all (3) Mounting Brackets.



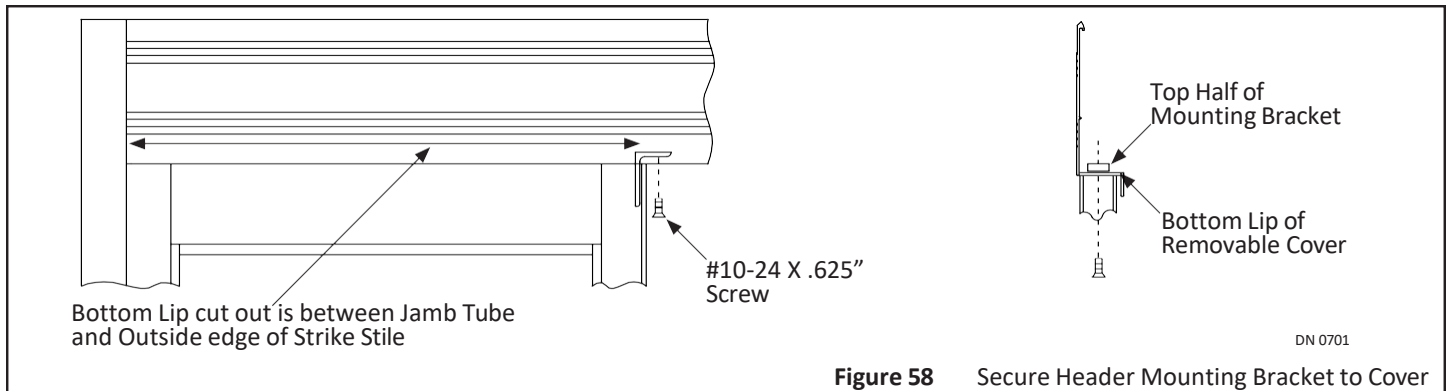
13. Secure the Top Mounting Bracket to Strike Stile with (1) 1/4-20 x 1/2-inch Flat Head screw.
 - a. There will be a gap between the bottom face of the Mounting Bracket and top face of Strike Stile.
14. Temporarily replace the Header Cover. The Cover will swing under the Mounting Bracket.



15. Ensure the Header Cover is fully closed and square.
16. Drill (1) .150 screw hole through the bottom Lip of Cover and Mounting Bracket.



17. Temporarily secure the Top Mounting Bracket to the bottom Lip of the Header Cover with (1) #10-24 X .625-inch screw.
 - a. The Header Cover will need to be removed before installation is complete.

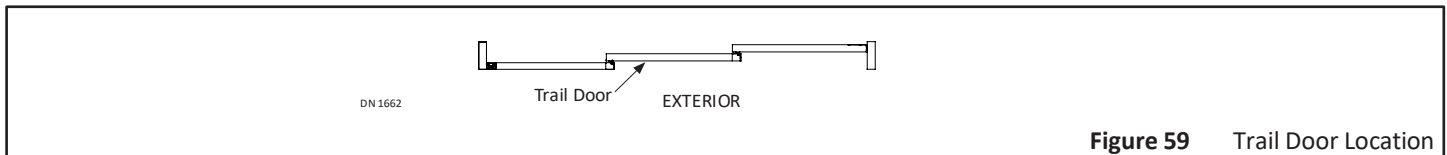


SECTION 9.2: Install the Trail Door (Fixed Sidelite)

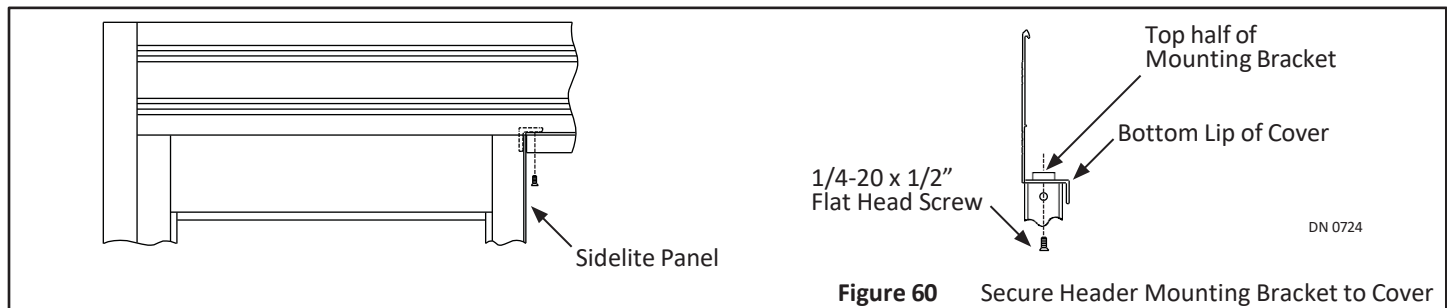


Do not test Breakout until all adjustments are made and doors are secured.

NOTE: The Trail Door must always be installed on the opposite side of the VS-150 Drive Pulley.



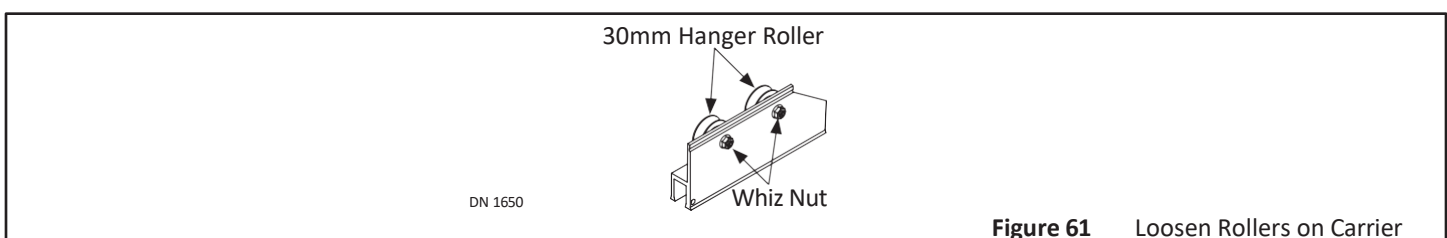
1. Open, and remove the Header Cover on the INTERIOR side of Building.



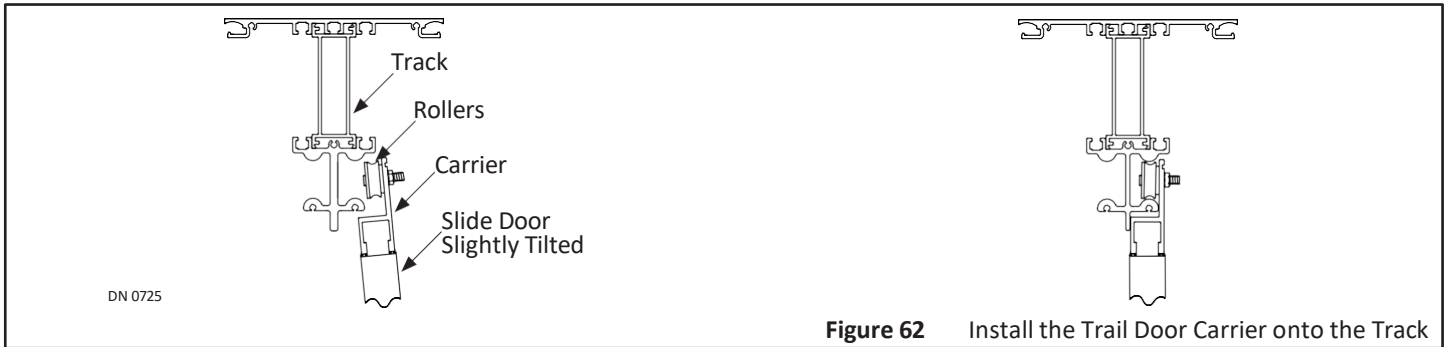
2. Go to the Carrier on top of the Trail Door.
3. Loosen (1) 5/16-18 Whiz Lock Nut on each Roller by inserting (1) 5/32" Allen wrench into the exposed end of a Roller Axle.
4. Hold the 5/32-inch Allen wrench in place to keep the Roller Axle stationary. At the same time, loosen (1) 5/16-18 Whiz Lock nut with a 1/2-inch Open End Wrench.



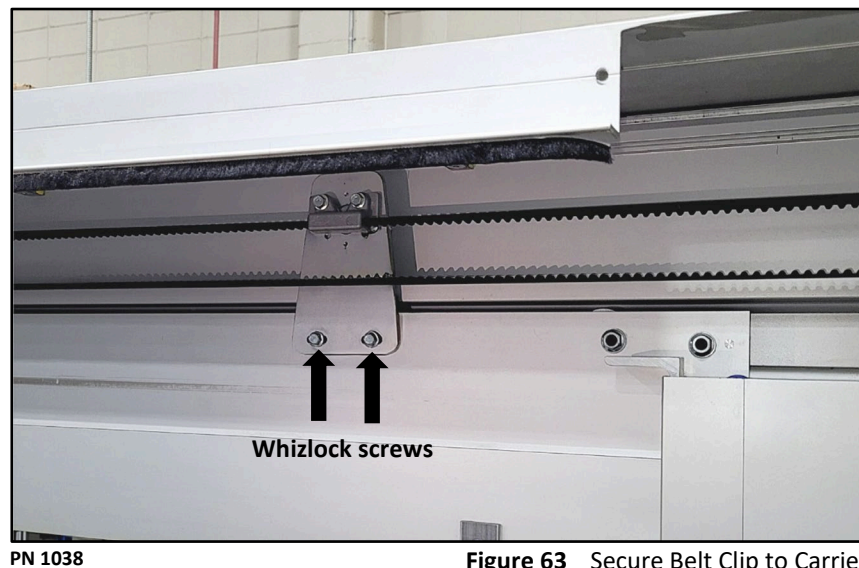
Do not rotate the Roller Axle counterclockwise. Doing so will unthread the Axle from the Roller Assembly.



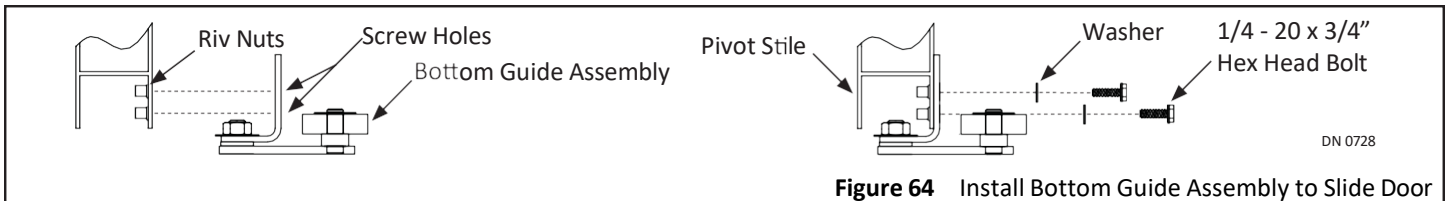
- To make it easier for rollers to “catch onto the track”, slightly tilt and lift the Trail Door into the Header, and onto the Track.



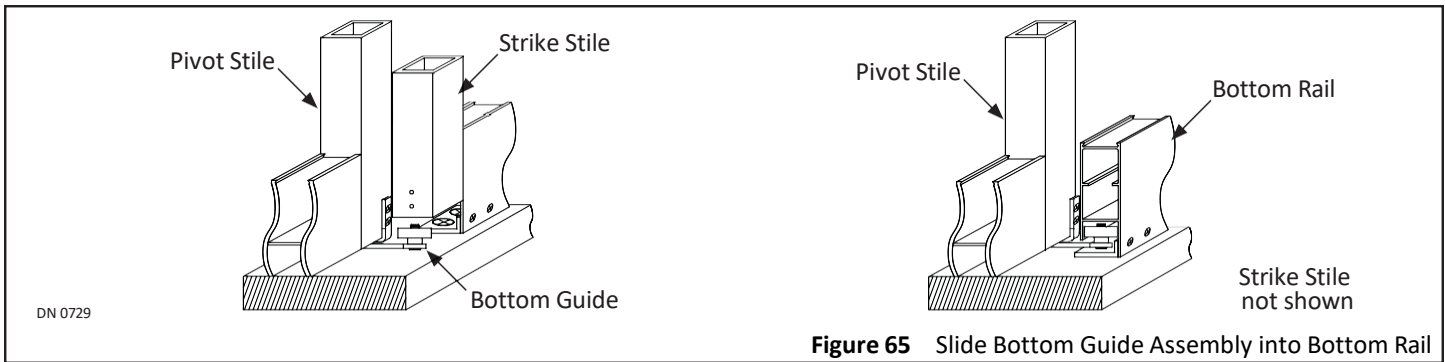
- Secure the Belt Clip to the Carrier with (2) 1/4-20 x 1-inch Whizlock screws.



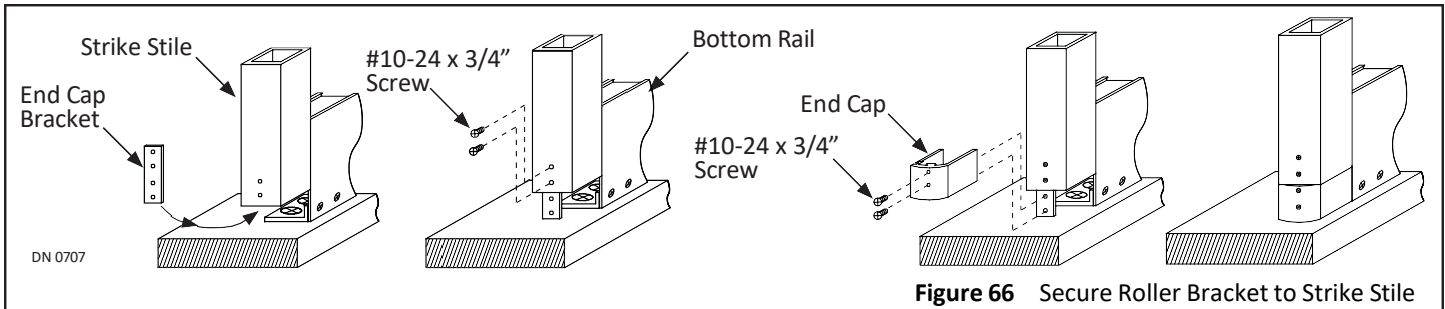
- Obtain the Bottom Guide. For Bi-Part Slide Doors a Left Hand and a Right-Hand Bottom Guide will be provided.
- Secure the Bracket part of the Bottom Guide to the **Pivot** Stile with (2) 1/4-inch Washers and (2) 1/4 - 20 x 1-inch screws.



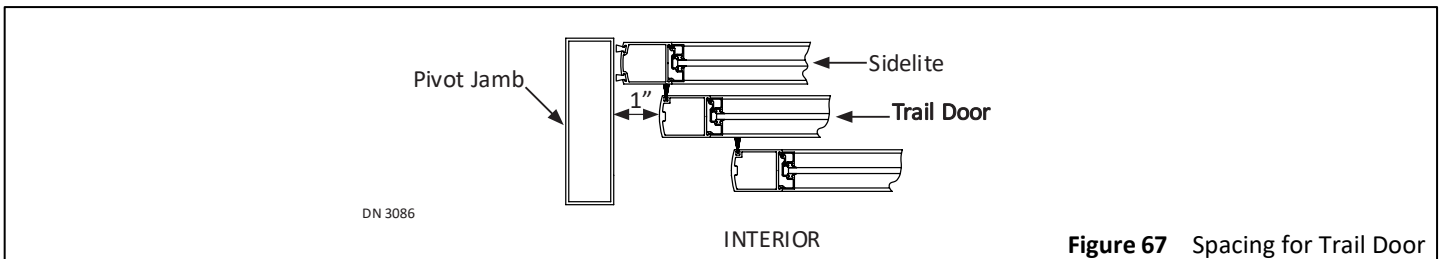
9. Slide the Bottom Guide Rollers inside the Bottom Rail of the Fixed Sidelite.



10. Replace and secure the End Cap Bracket to the Strike Stile with (4) #10-24 x 3/4-inch Flat Head screws.



11. Adjust the Belt Clip so the Fully Open position for the Trail Door stops 1 inch away from the Pivot Jamb.

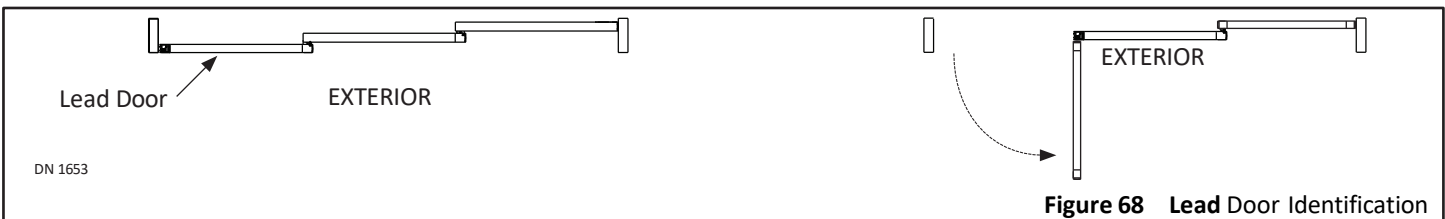


12. Please refer to [SECTION 10.2: Adjustments](#) to adjust the Trail Door.

SECTION 9.3: Install The Lead Door(s) (Fixed Sidelite)



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

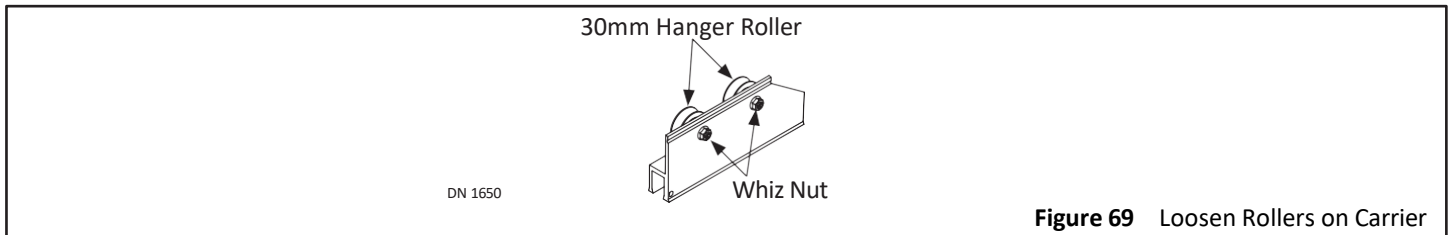


1. Open, and remove the Header Cover on the EXTERIOR side of Building.

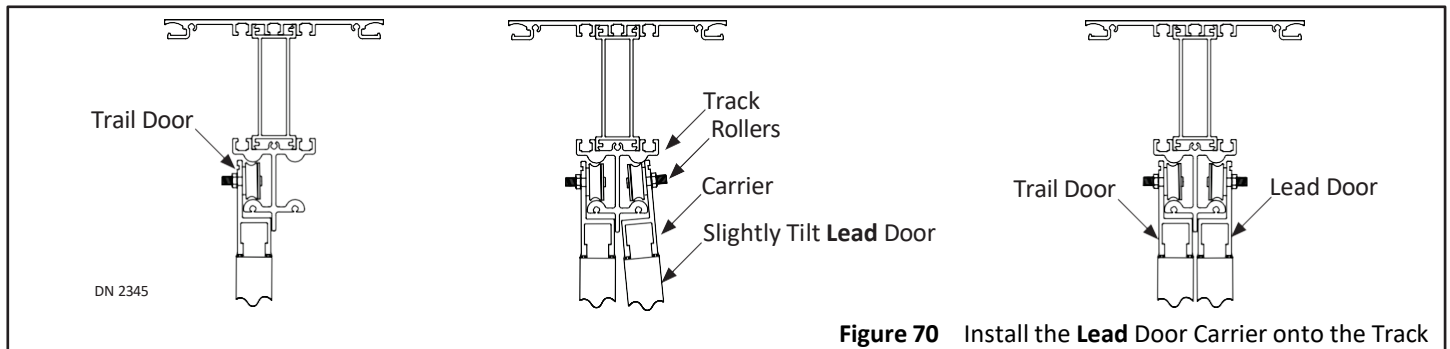
2. Go to the Carrier on top of the Lead Door.
3. Loosen (1) 5/16-18 Whiz Lock Nut on each Roller by inserting (1) 5/32" Allen wrench into the exposed end of a Roller Axle. Hold the 5/32-inch Allen wrench in place to keep the Roller Axle stationary. At the same time, loosen (1) 5/16-18 Whiz Lock nut with a 1/2-inch Open End Wrench.



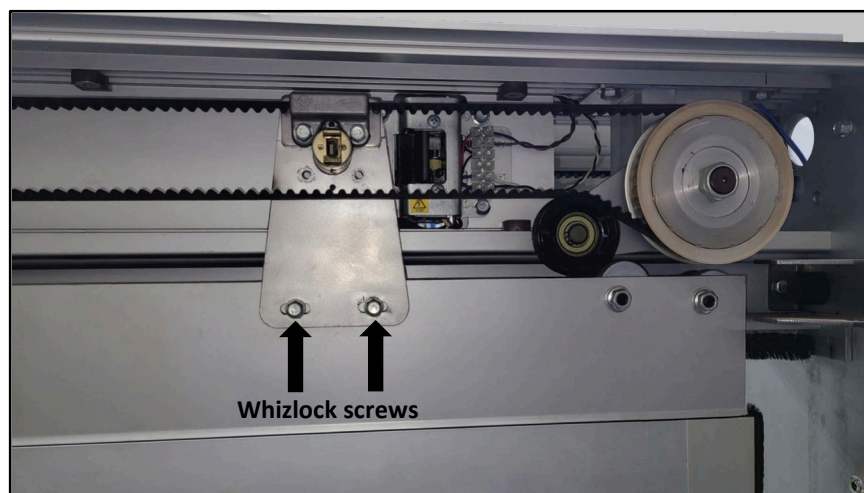
Do not rotate the Roller Axle counterclockwise. Doing so will unthread the Axle from the Roller Assembly.



4. Slightly tilt and lift the Lead Door into the Header, and onto the Track.



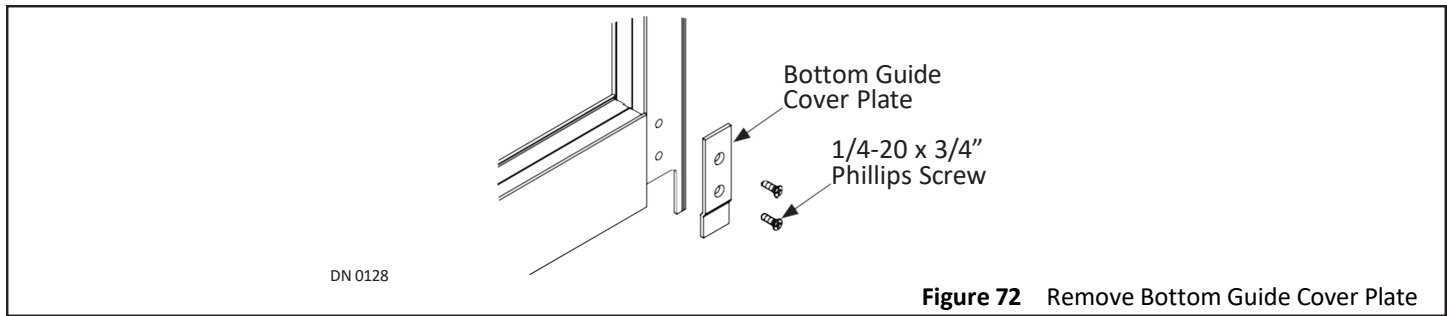
5. Secure the Belt Clip to the Carrier with (2) 1/4-20 x 1-inch Whizlock screws.



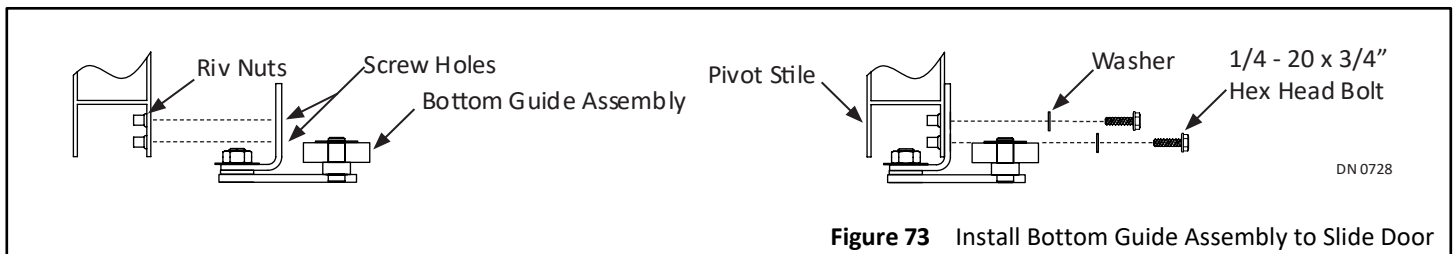
PN 1033

Figure 71 Secure Belt Clip to Carrier

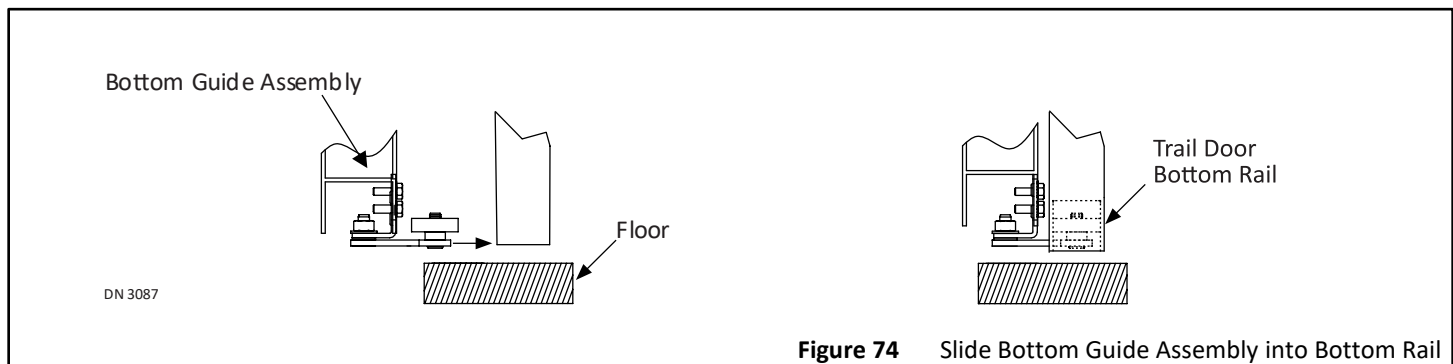
6. Remove the Bottom Guide Cover Plate from the bottom of the Trail Door Strike Stile.



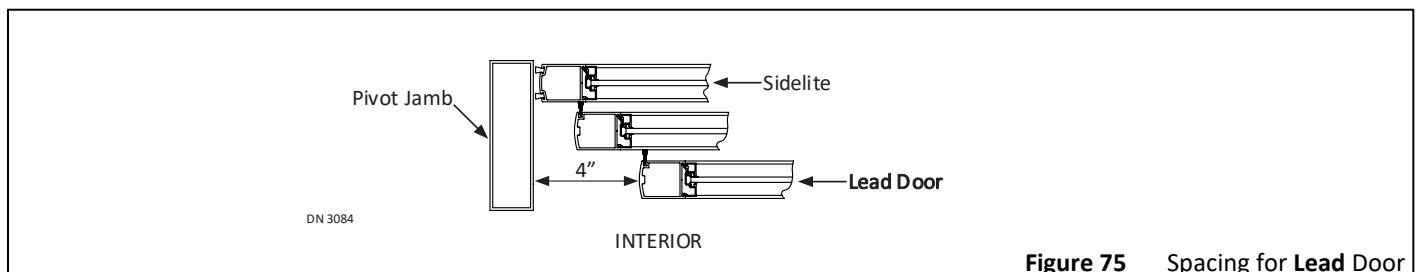
7. Obtain the Bottom Guide(s).
8. Secure the Bottom Guide Bracket to the Pivot Stile of the **Lead Door** with (2) 1/4-inch Washers and (2) 1/4 - 20 x 1-inch Screws.



9. Install the Bottom Guide Assembly by sliding (2) rollers into the Bottom Rail of the **Trail Door** so the Bracket sticks out from underneath (in direction of where the Lead door is to be installed).



10. Adjust the Door Stop so the Fully Open position for the **Lead Door** stops 4 inches away from the Pivot Jamb.



11. Replace and secure **both** Header Covers.
12. Replace bottom guide header plate(s).
NOTE: Refer to **Figure 72**.

CHAPTER 10: END PROCESSES (Install Glazing, Adjustments, Weathering and Safety Check)

SECTION 10.1: Glazing



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 break. NABCO Entrances, Inc. is not responsible for broken glass.

NOTICE

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).

10.1.1 Door Panel

NOTE: Place Setting Blocks in the designated marked spots, only. 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.

1. Ensure the Base Glass Stop (Pre-installed at the NABCO Factory) is free of debris and/or sharp objects.
2. Go to the STRIKE side of panel at the TOP.
 1. Measure (6) inches across from the Strike End of Top Rail, towards the Pivot Stile. Mark that spot.
 2. Measure (6) inches down from the Strike End of Top Rail towards the Bottom Rail. Mark that spot.
3. Go to the PIVOT side of panel at the BOTTOM.
 1. Measure (6) inches across from the Pivot End of Bottom Rail, towards the Strike Stile. Mark that spot.
 2. Measure (6) inches up from the Pivot End of Bottom Rail, towards the Top Rail. Mark that spot.
4. For each marked spot, place (1) Setting Block (not provided by NABCO) on top of the Base Glass Stops.
5. Place the Glass Panel on top of the Setting Blocks and up against the Vinyl.
6. Shift the Glass Panel until it is square. Secure the Glass Panel with Snap-In Glass Stops.
7. To raise the Door Panel for Door Panels that are not square or sag at the lead edge, increase the thickness of a Setting Block (not provided by NABCO).

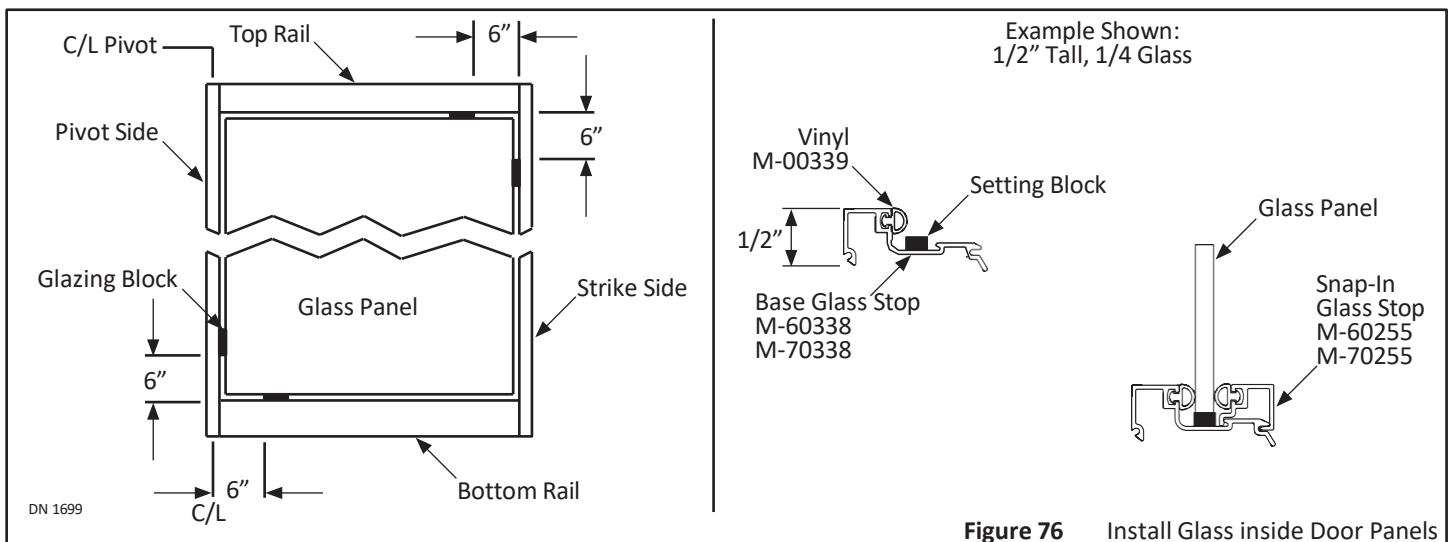
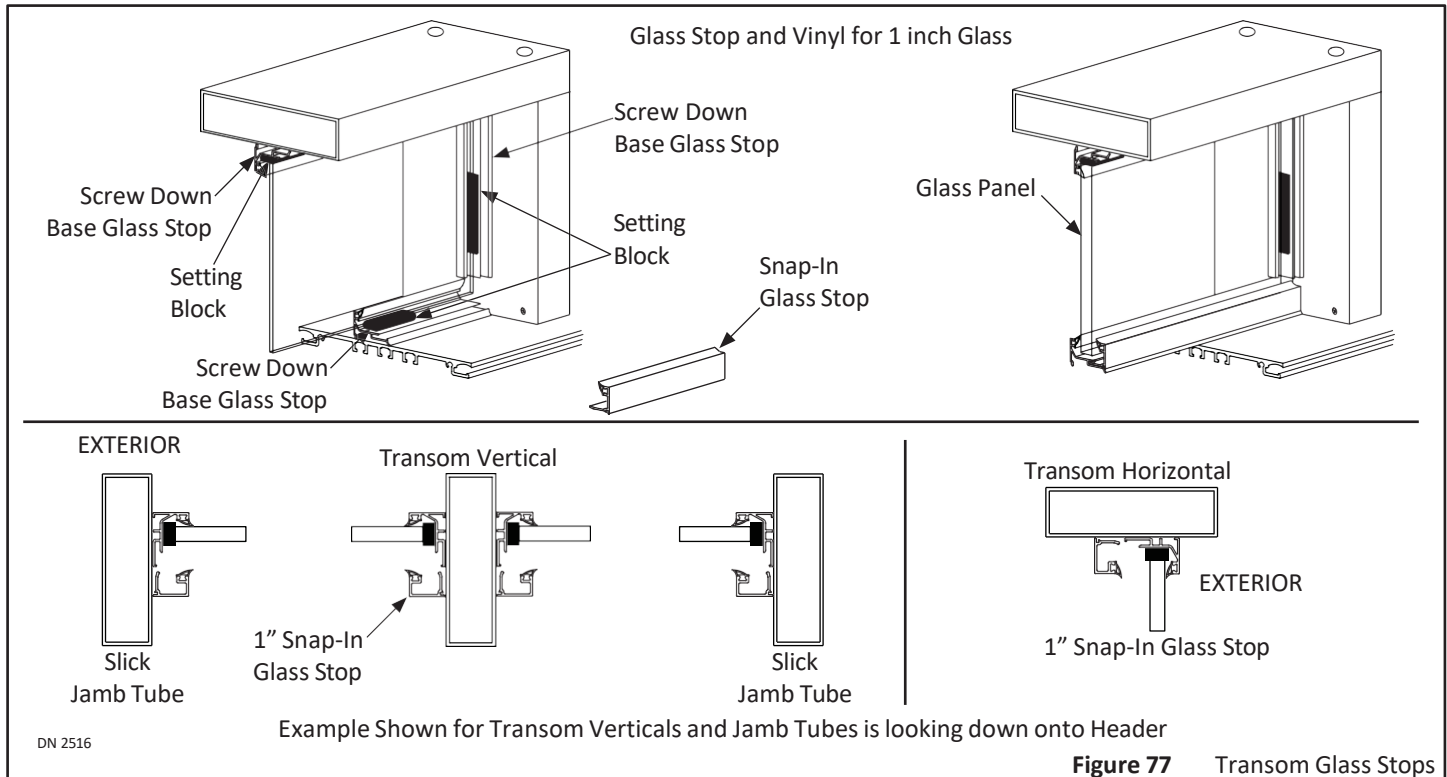


Figure 76 Install Glass inside Door Panels

10.1.2 Complete the 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.



10.1.3 Complete the 1/4" Glass Stop Flush Glazing

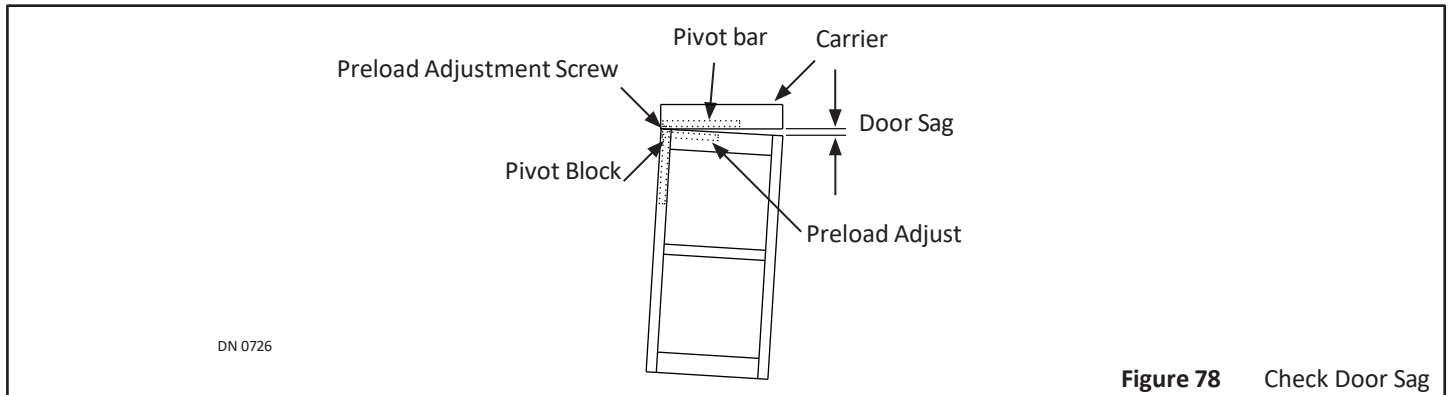
1. Place the Glass Panel so it butts "Up" against the Vinyl.
2. Carefully move the Glass Panel "Up" into the pocket of the Transom Horizontal.
3. Shift the Glass Panel in and out of the pockets until it is square.
 - a. Pockets within the Transoms are deep enough to allow the Glass Panel to be shifted 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.

SECTION 10.2: Adjustments

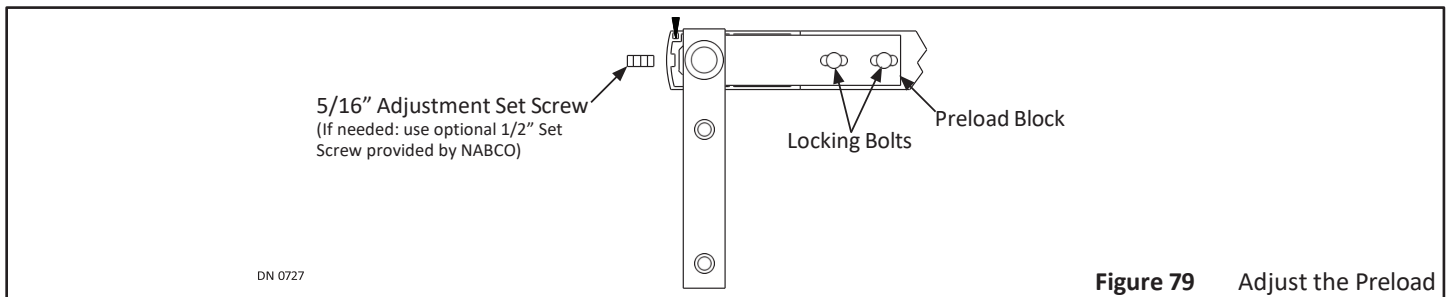
10.2.1 Adjust Preload

NOTICE

Glass must be installed before adjusting Preload.



1. Support the weight of Slide Door, then Breakout Slide door approximately 25 degrees.
2. Check for door sag. The Slide door should latch without having to be manually lifted.
3. Go to the Preload Block located inside the Top Rail. Loosen (2) 1/4-20 x 1 inch Hex Screws used to secure the Carrier Pivot Assembly to the Top Door Web.
4. Go to the top of Pivot Stile. Locate (1) 5/16-24 x 1/2-inch Set Screw.
5. Adjust Door Sag by tightening the Set Screw with a 7/32-inch Allen Wrench.
 - a. Tightening the Set Screw will raise the Strike Side of the Door.
 - b. Do Not allow the Adjustment Set Screw to protrude more than 7/32 inch past the end of stile.
 - c. Substitute the 5/8-inch Set Screw with the optional 1/2-inch Set Screw supplied by NABCO as needed.



10.2.2 Adjust Horizontal Position of Carrier

NOTICE

Adjust Preload before adjusting position of Carrier.

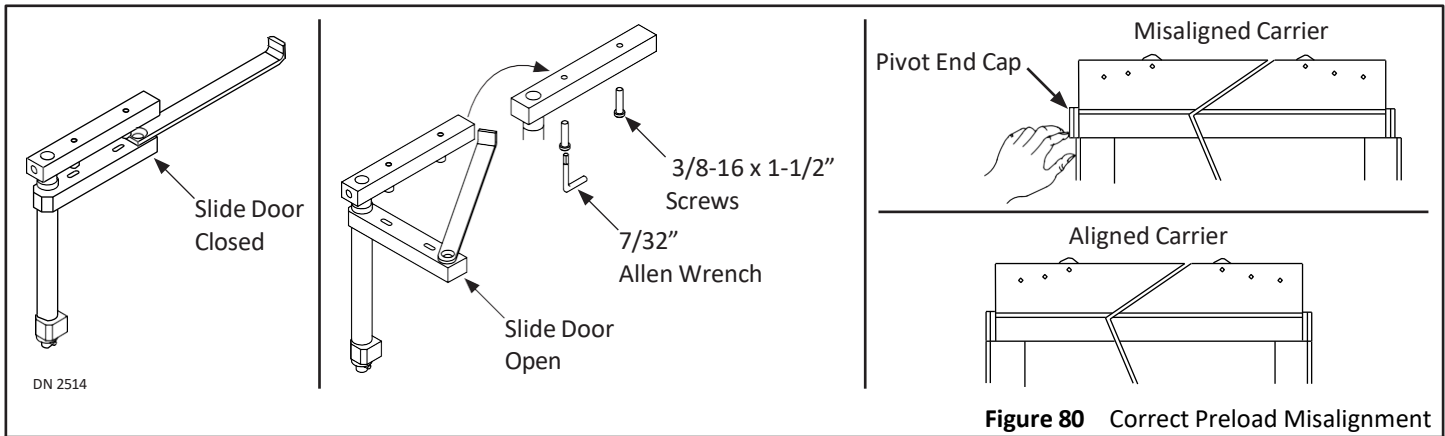


Figure 80 Correct Preload Misalignment

1. Break Open the Slide Door. Locate the Pivot Assembly inside the Carrier.
2. Loosen (2) 3/8-16 x 1-1/2-inch Screws securing the Pivot Assembly to the Carrier.
3. Slide the Carrier Bar to the left or right, until the Slide Door is aligned to the Carrier. Tighten (2) 3/8-16 x 1-1/2 inch Screws.
4. Verify that the Upper Panic Catch inside the Carrier is still aligned to the Lower Panic Catch inside the Door Web. If an adjustment is deemed necessary:
 - a. Go inside the Carrier. Locate the Upper Panic Catch. Loosen (2) 5/16-18 x 1.25" Set Screws.
 - b. Slide the Upper Panic Catch to the right or to the left until it is aligned to the Lower Panic Catch. Tighten Set Screws.

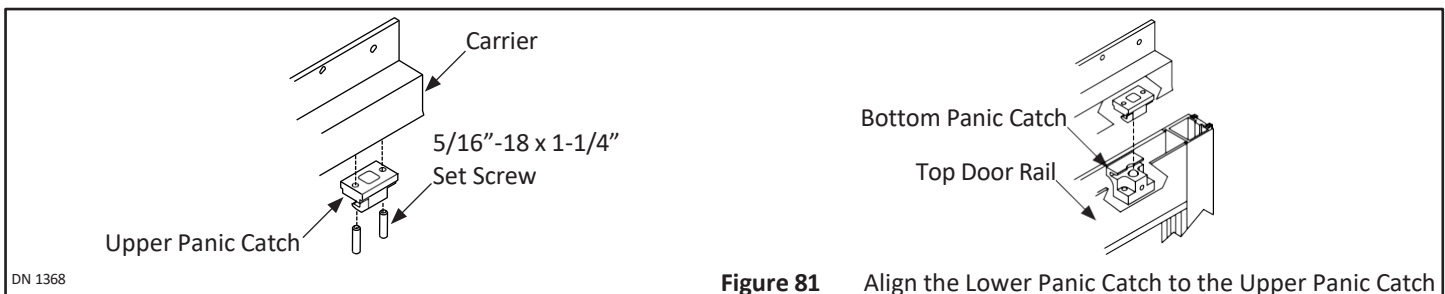


Figure 81 Align the Lower Panic Catch to the Upper Panic Catch

10.2.3 Adjust the Ball Plunger

1. Breakout the Slide door. Go inside the Top Rail (closest to the Strike Stile). Remove the Panic Catch Assembly.
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. Secure the Panic Catch Assembly inside the Top Rail with (2) 1/4-20 x 1-1/4-inch Socket Head screws.

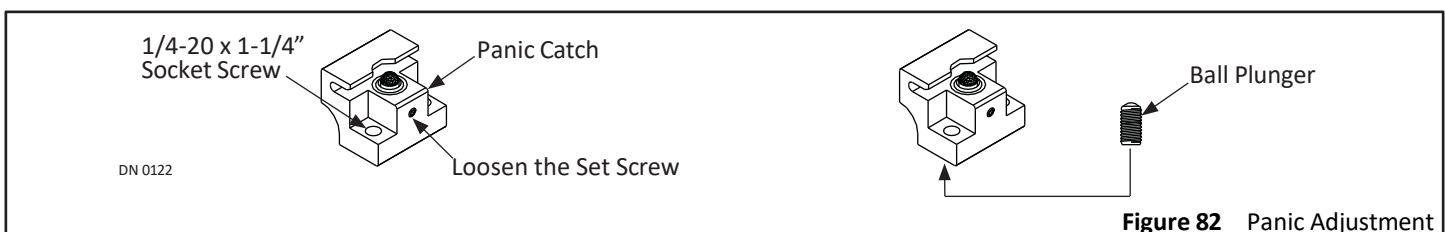


Figure 82 Panic Adjustment

10.2.4 Adjust Door Height

1. Raise or lower the Slide door by turning the Axle located on (2) Anti-Rise Rollers **clockwise** with a 1/2" Open End Wrench. The appropriate gap between Bottom Rail and floor is (13/16 inch to 15/16 inch) with the nominal gap being 7/8 inch.



Do not rotate the Roller Axle counterclockwise. Doing so will unthread the Axle from the Roller Assembly.

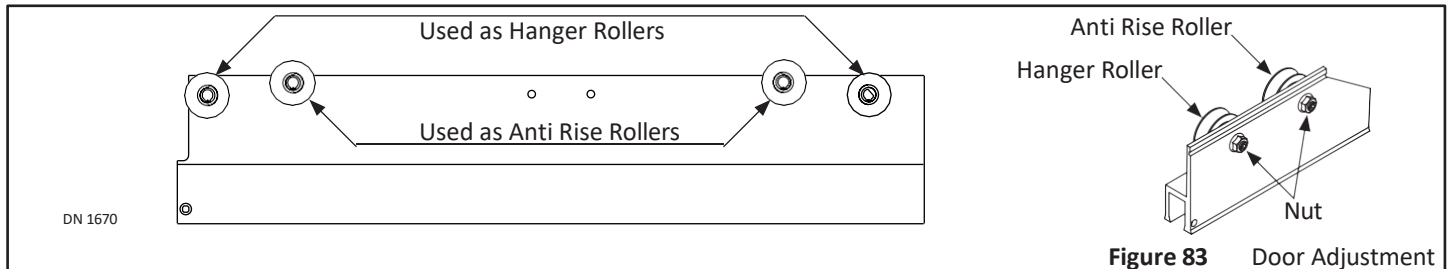


Figure 83 Door Adjustment

2. Ensure the Leading Edge between (Slide doors/Jamb Tubes), and (Doors/Header), are parallel.
3. Tighten the 5/16-18 Lock nuts.

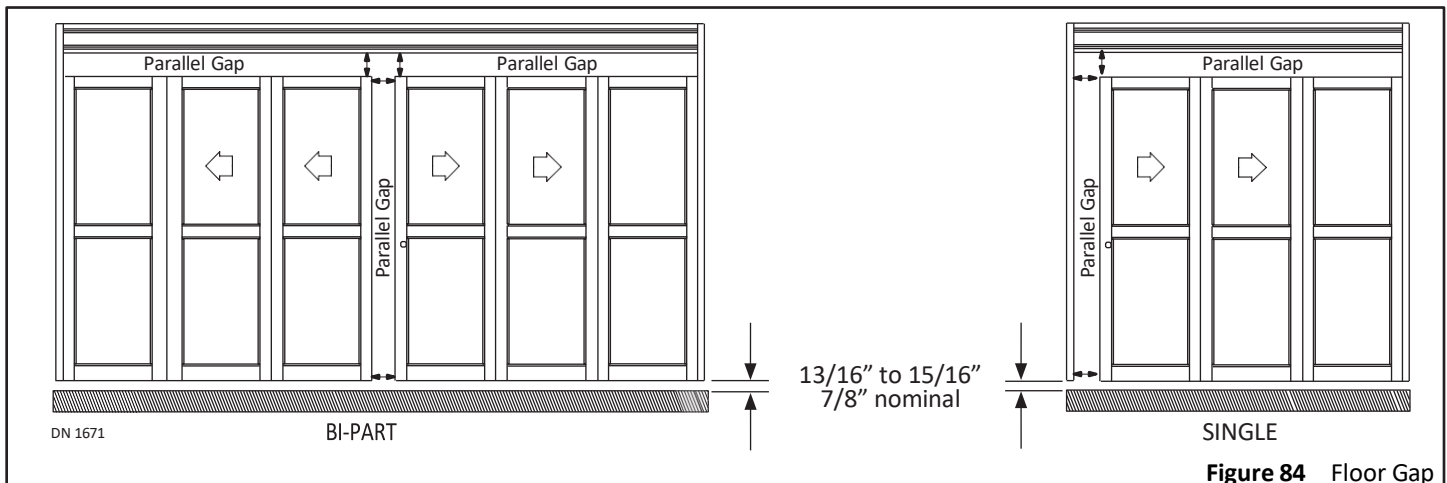


Figure 84 Floor Gap

10.2.5 Adjust Interlocks

NOTICE

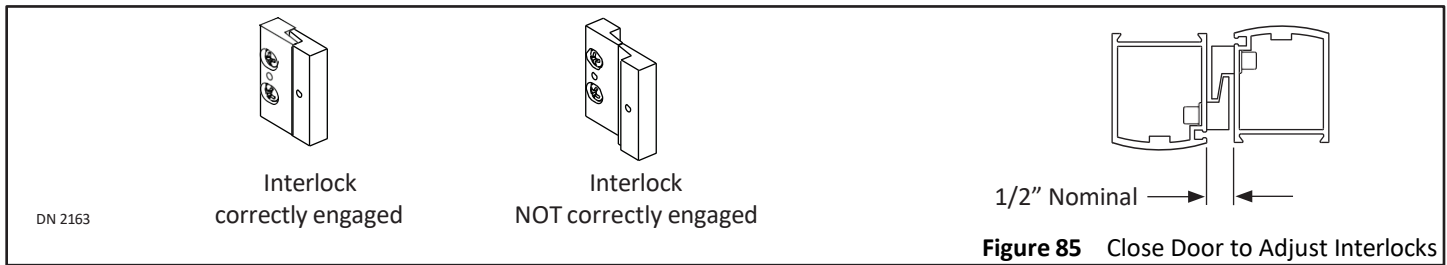
The Slide Door must be fully closed at same time Interlock is fully engaged.

- NOTE:**
- Each Interlock is packed with (2) Shims.
 - (4) extra Shims are packed within the Full Open Parts Kit (P/N A-01451 Medium Stile, P/N A-00408 Narrow Stile).
 - Nominal gap between both Door Panels must be 1/2 inch.

10.2.5.1 IF Interlocks are not Properly Engaged:

1. Manually close the Slide door while observing if the nominal gap between both Door Panels is 1/2", and the Interlocks are properly engaged, and the Slide door is fully closed.
 - a. If not, slide the Interlocks side to side so that they have the most engagement but still allow the door to fully close.
2. Partially secure each Interlock assembly back onto the Door Panel with (2) #10-32 x 5/8" Screws.
 - a. This is done so the Interlock can still slide in the adjustment slot with light force.

Advance to [10.2.5.4 - Secure the Adjusted Interlocks](#)



10.2.5.2 IF Interlocks Touch each other's Nose:

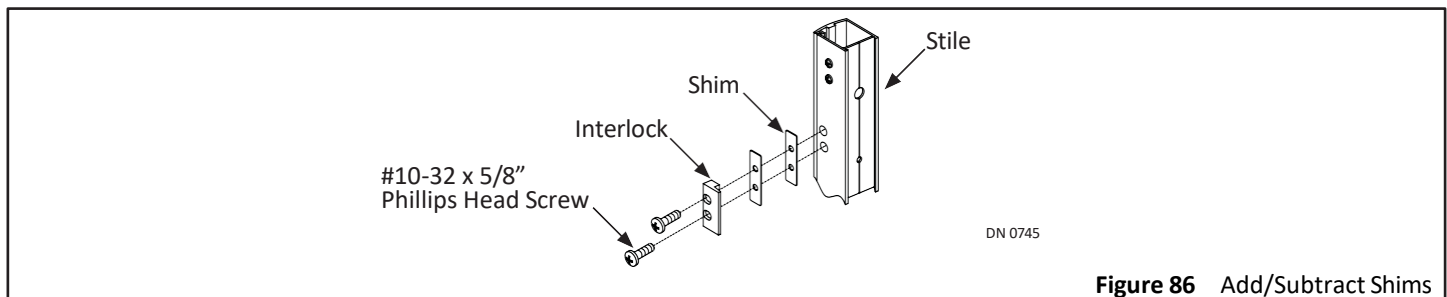
1. Manually close the Slide door while observing if both Interlocks touch each other's Nose as the door is almost fully closed.
2. If so, remove each Interlock. Add shims as deemed necessary.
3. Partially secure each Interlock assembly back onto the Door Panel with (2) #10-32 x 5/8" Screws.
 - a. This is done so the Interlock can still slide in the adjustment slot with light force.

Advance to [10.2.5.4 – Secure the Adjusted Interlocks](#)

10.2.5.3 IF Interlock Rubs the Other Door Panel:

1. Manually close the Slide door while observing if the Interlocks are rubbing on the other Door Panel.
2. If so, remove Shim(s) until no contact exists between the Door Panels and the Interlock.
 - a. Rubbing of Interlocks will cause wear marks and/or cause the door to bind.
3. Partially secure each Interlock assembly back onto the Door Panel with (2) #10-32 x 5/8" Screws.
 - a. This is done so the Interlock can still slide in the adjustment slot with light force.

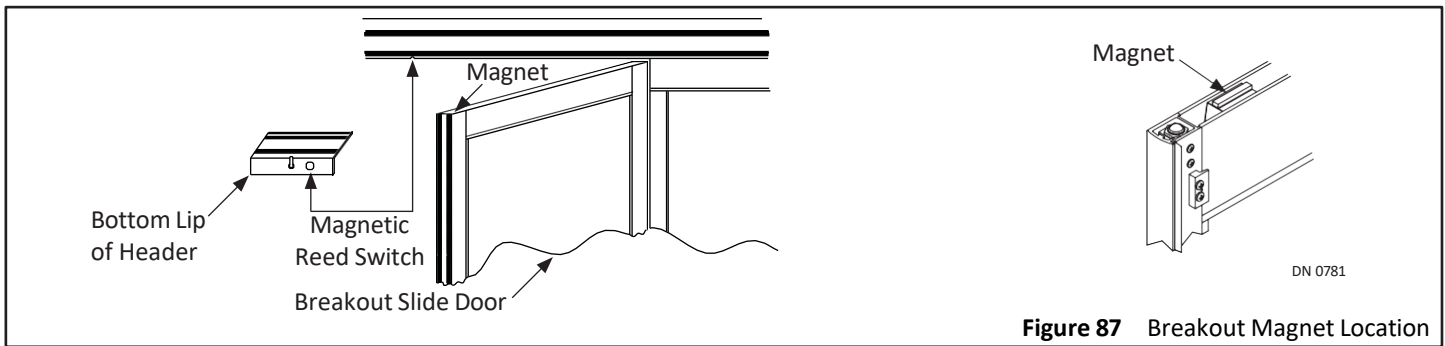
Advance to [10.2.5.4 – Secure the Adjusted Interlocks](#)



10.2.5.4 SECURE the Adjusted Interlocks

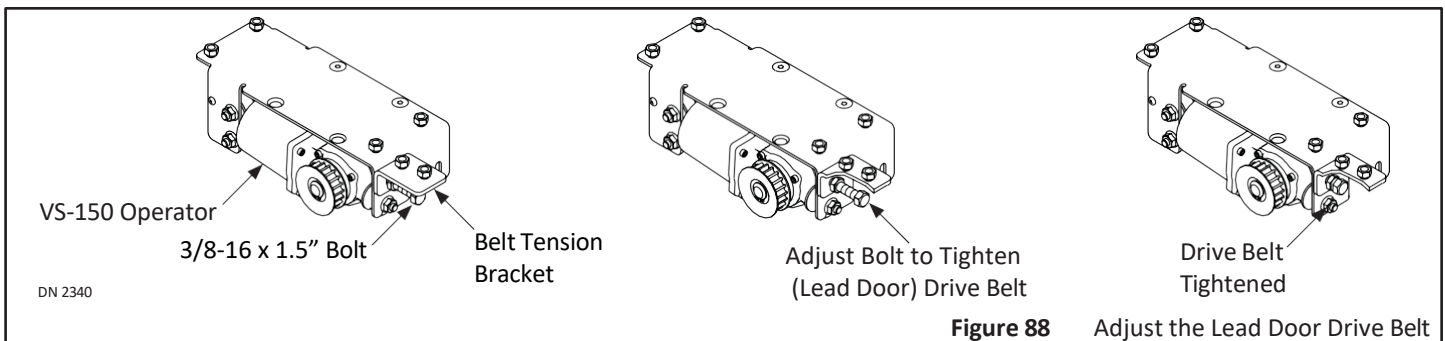
1. Go to each Interlock and locate the Adjustment Slot. Slide each Interlock away from the edge of the door towards the center of the door panel.
2. Manually close the Slide door. The Interlocks will automatically slide and adjust to the proper position.
3. Fully Open the Slide door and Break Out the Door Panels. Tighten (2) #10-32 x 5/8" Screws on each Interlock.

10.2.6 Adjust the Breakout Magnet



1. Break open the Full Open Sidelite. Go to the Breakout Magnet that is located inside the Top Rail.
2. Slide the Breakout Magnet to the Left or to the Right until it is aligned with the Magnetic Reed Switch.
 - a. The Breakout Magnet is secured to the Limit Arm Bracket that can slide to the Left and Right of the Top Rail.
 - b. The Magnetic Reed Switch is a 3/8-inch diameter black circle located on the Bottom Lip of Header.

10.2.7 Tighten the Drive Belt (Lead Door)



1. Go to the Belt Tension Bracket Assembly located at the front of the VS-150 Operator.
2. Loosen the 3/8-16 Hex Jam Nut from the 3/8-16 x 1-1/2-inch-long Bolt.
3. Tighten the Lead Door Drive Belt by rotating the Bolt, clockwise.
4. Retighten the 3/8-16 Hex Jam Nut.

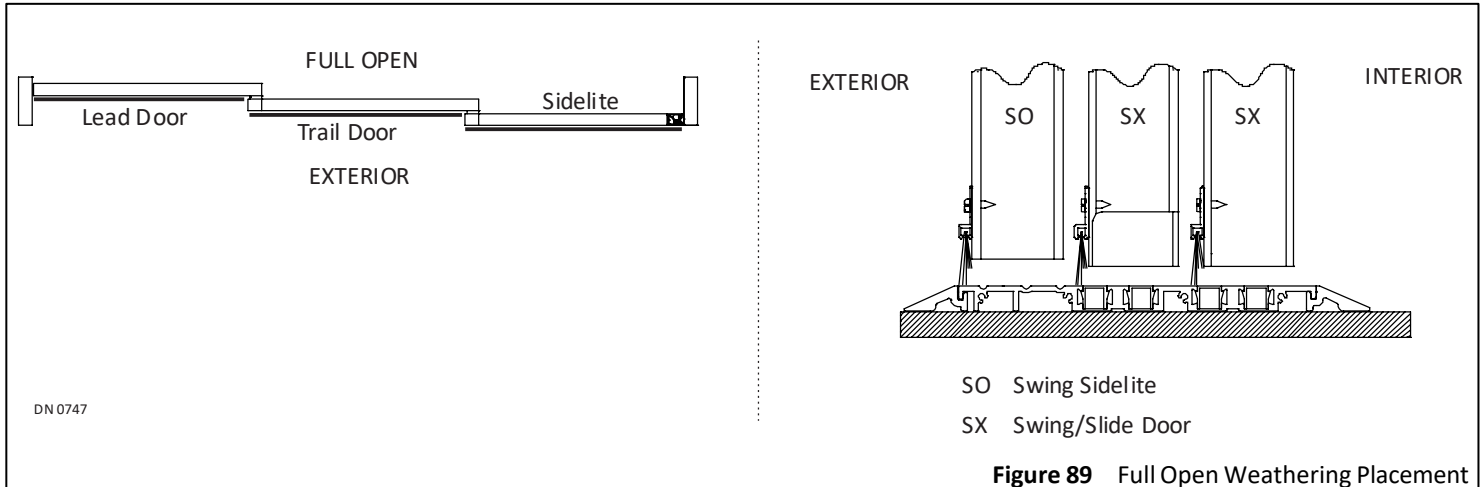
10.2.8 Tighten the Drive Belt (Trail Door)

1. Go to the backside of the VS-150 Operator. Locate the Idler Block Kit.
2. Loosen the 3/8-16 Hex Nut from the 3/8-16 x 2-1/8-inch-long Bolt.
3. Tighten the Trail Door Drive Belt by rotating the Bolt, clockwise.
4. Retighten the 3/8-16 Hex Jam Nut.

SECTION 10.3: Install Weathering - Door Panels

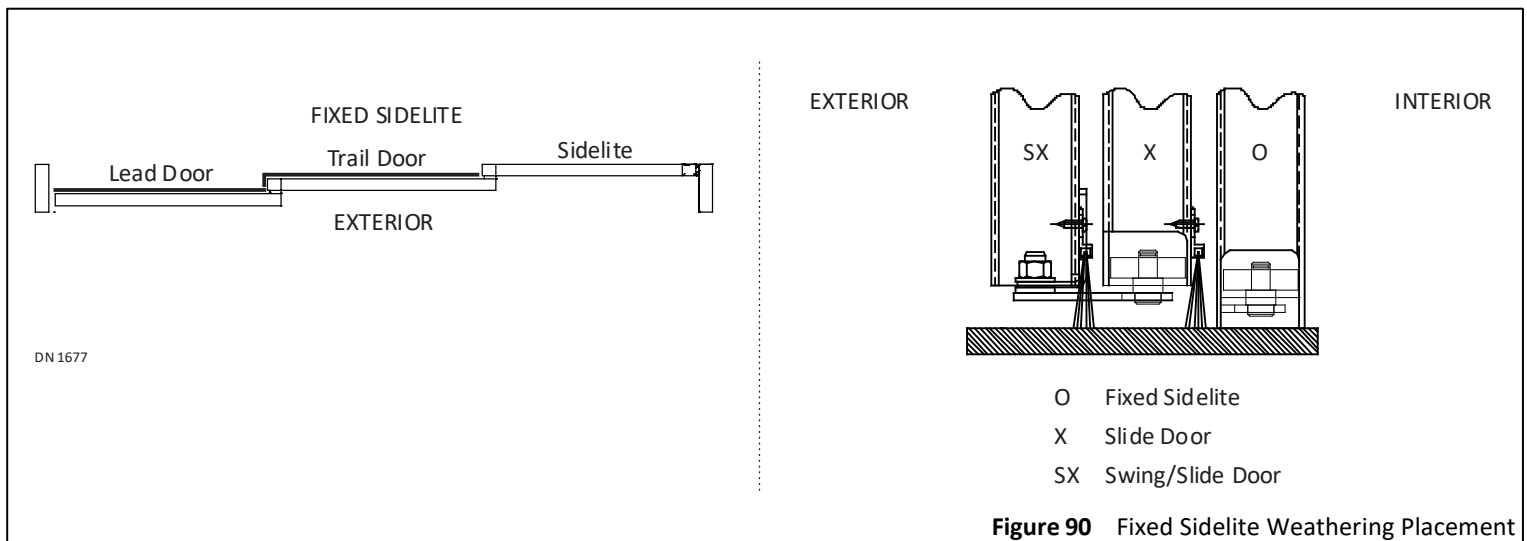
10.3.1 Full Open Units

1. Go to the **EXTERIOR** side of the building.
2. Break Open the Sidelite. Secure (1) Brush Holder to the Bottom Rail with #6 x 1/2 -inch self-tapping screws.
3. Break Open the Trail Door. Secure (1) Brush Holder with #6 x 1/2-inch self-tapping screws to the Bottom Rail.
4. Break Open the Lead Door. Secure (1) Brush Holder with #6 x 1/2-inch self-tapping screws to the Bottom Rail.



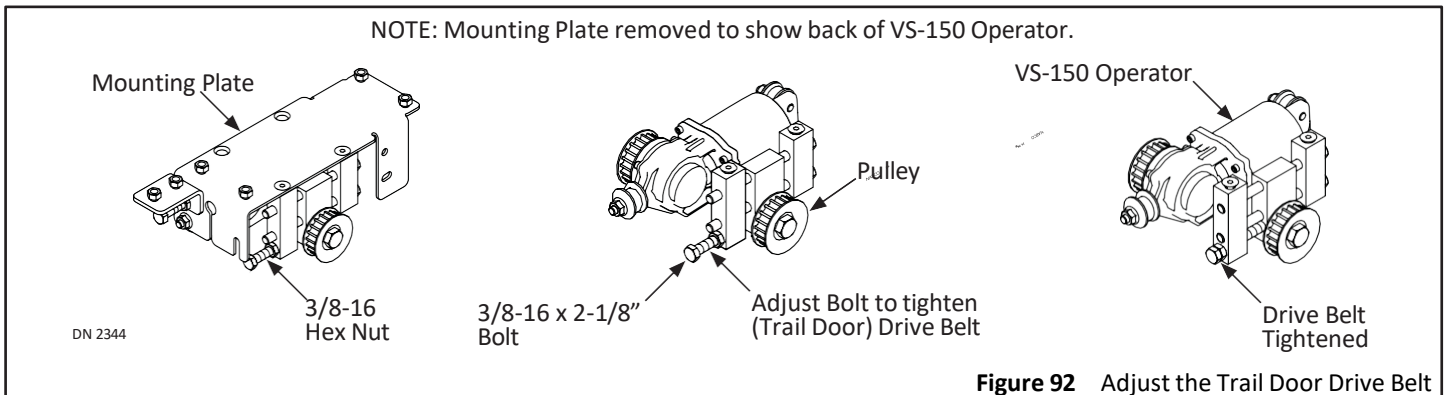
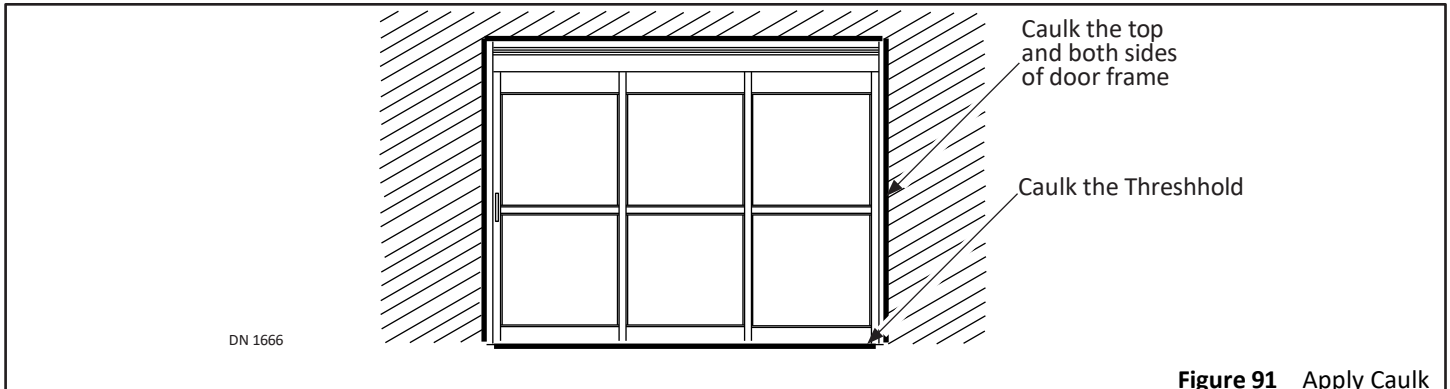
10.3.2 Fixed Sidelite Units

1. Go to the **INTERIOR** side of the building.
2. Break Open the Lead Door. Secure (1) Straight Brush Holder to the Bottom Rail with #6 x 1/2-inch self-tapping screws.
3. Break Open the Trail Door. Secure (1) Bent Brush Holder to the Bottom Rail with #6 x 1/2-inch self-tapping screws.
 - a. The Bent End of Brush Holder wraps around the Strike Stile.



SECTION 10.4: Weathering – Caulk the 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).



SECTION 10.5: Slide Door Safety Check

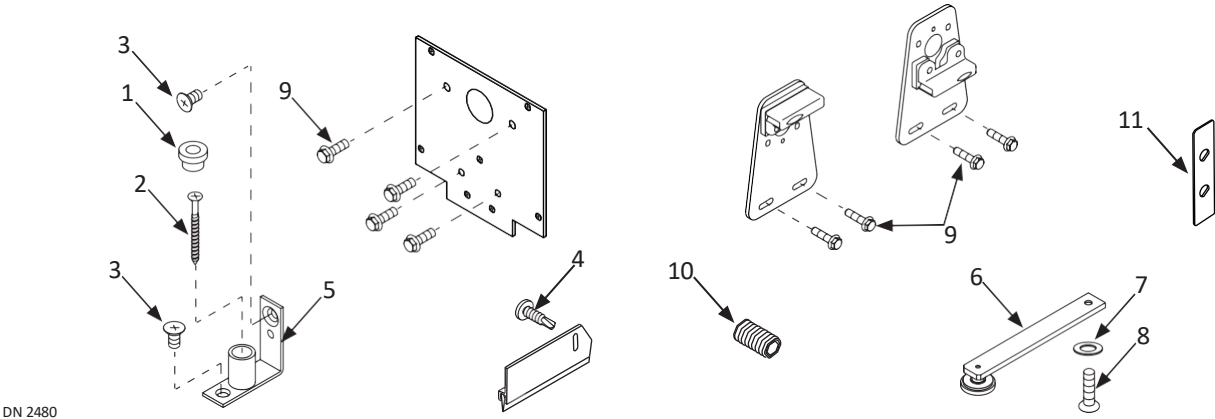
1. Ensure all Header Covers have been replaced and properly secured with (2) 10-24 x 0.625-inch screws.
2. Ensure all other hardware and/or components are properly secured.
3. Ensure the Power Breaker is switched ON. Do not switch Power Breaker ON and OFF too quickly.
4. Ensure the Rocker Switch or Key Switch is set to "ON".
5. Check the motion of the Slide door. Slide door should slide freely, without physical bind.
6. If Equipped: Test Emergency Break Out. In Break Out mode, the door must not activate.
For further details, call Tech Support at (877) 622-2694, Option #3, available Monday to Friday, 7am – 5:30pm (Central Time).
Or email at: techsupport@nabcoentrances.com
7. Ensure Full Open Sidelite doors are fully closed. Failure to do so will disrupt proper door operation
 - a. In the event a Sidelite is ajar, swing open the Sidelite about 2 feet, and then fully close it.
8. Check for proper door operation.
9. Test Sensor Detection Zones for One-Way / Two-Way Traffic per ANSI A-156.10 Standard. Please also refer to P/N C-00109 "GT1175 Slide Door Owner's Manual" that has been packed inside the Decal Packet.
10. Clean the doors, header, and frame.
11. Clean up the work area and floor area. Floor area should be clean with no loose parts that might cause the user to trip or fall.

SERVICE PARTS: NH MEDIUM STILE KIT P/N A-01451

Full Open Slide Doors (Order (2) Kits for Bi-Part Doors)

SERVICE PARTS: NH NARROW STILE KIT P/N A-00408

Full Open Slide Doors (Order (2) Kits for Bi-Part Doors)



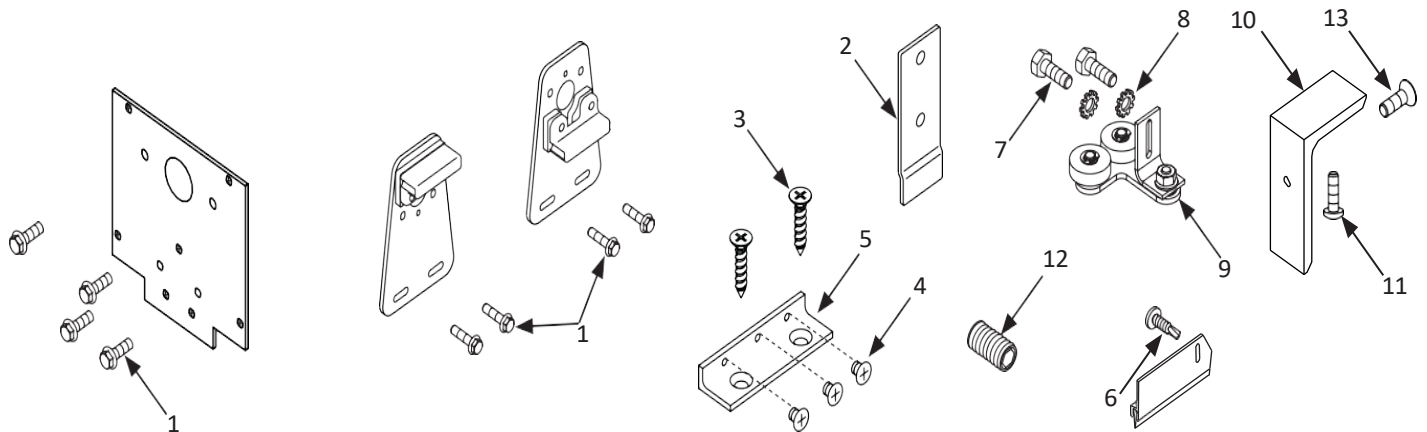
Item	Part	Note	Description	QTY	Used To
1	M-00606		BUSHING, BOTTOM PIVOT, SWING PANEL	1	Protect inside of Barrel from dust/dirt
2	T-00008		FHMS,1/4x2.750L.,PHIL,TAPCON,BLUE	1	Secure Bottom Pivot (M-00611) to floor
3	T-00007		FHMS,1/4-20x0.500L.,PHIL,UNDR CUT,F-PT,ZN	1	Secure Bottom Pivot (M-00611) to floor.
4	T-00222	Zinc	PHSMS,6x0.500L.,PHIL,TEKS,ZINC	1	Secure Bottom Pivot (M-00611) to Pivot Jamb Tube.
	T-00260	Black Zinc	PHSMS,6x0.500L. PHIL,TEKS BLK ZN	12	Secure Brush Holder to Door Panels.
5	M-00611		FLOOR PIVOT BRACKET	1	Allow Sidelite to swing Open and Closed
6	A-00406	Medium	LIMIT ARM, SWING PANEL, MED STILE	1	Allow Sidelite to swing Open and Closed
	A-00060	Narrow	LIMIT ARM,SWING PANEL,ASM.NRW.STILE		
7	T-00069		WASHER,.255 ID,.900 OD,.125 THK,NYLON	1	Keep Screw from digging into face of Limit Arm
8	T-00083		FHMS,1/4-20x1.000L.,PHIL,UCUT,VIBRATITE	1	Secure Limit Arm to bottom of Header
9	T-00010		HHCS,1/4-20x0.750L.,WHIZLOCK,ZINC	4	Secure Belt Bracket to Carrier on top of Slide Door
10	T-00261		SHSS,5/16-24x0.500L.,CUP PT.	8	Secure Header to Jamb Tubes
11	M-00494		SHIM, INTERLOCK	1	Correctly engage Interlocks
				4	Adjust PreLoad (top of Strike Stile on Slide Door)

SERVICE PARTS: LH KIT P/N A-00619; RH KIT P/N A-00618

Fixed Sidelite Slide Doors (Order both Kits for Bi-Part Doors)

SERVICE PARTS: LH KIT P/N A-01397; RH KIT P/N A-01396

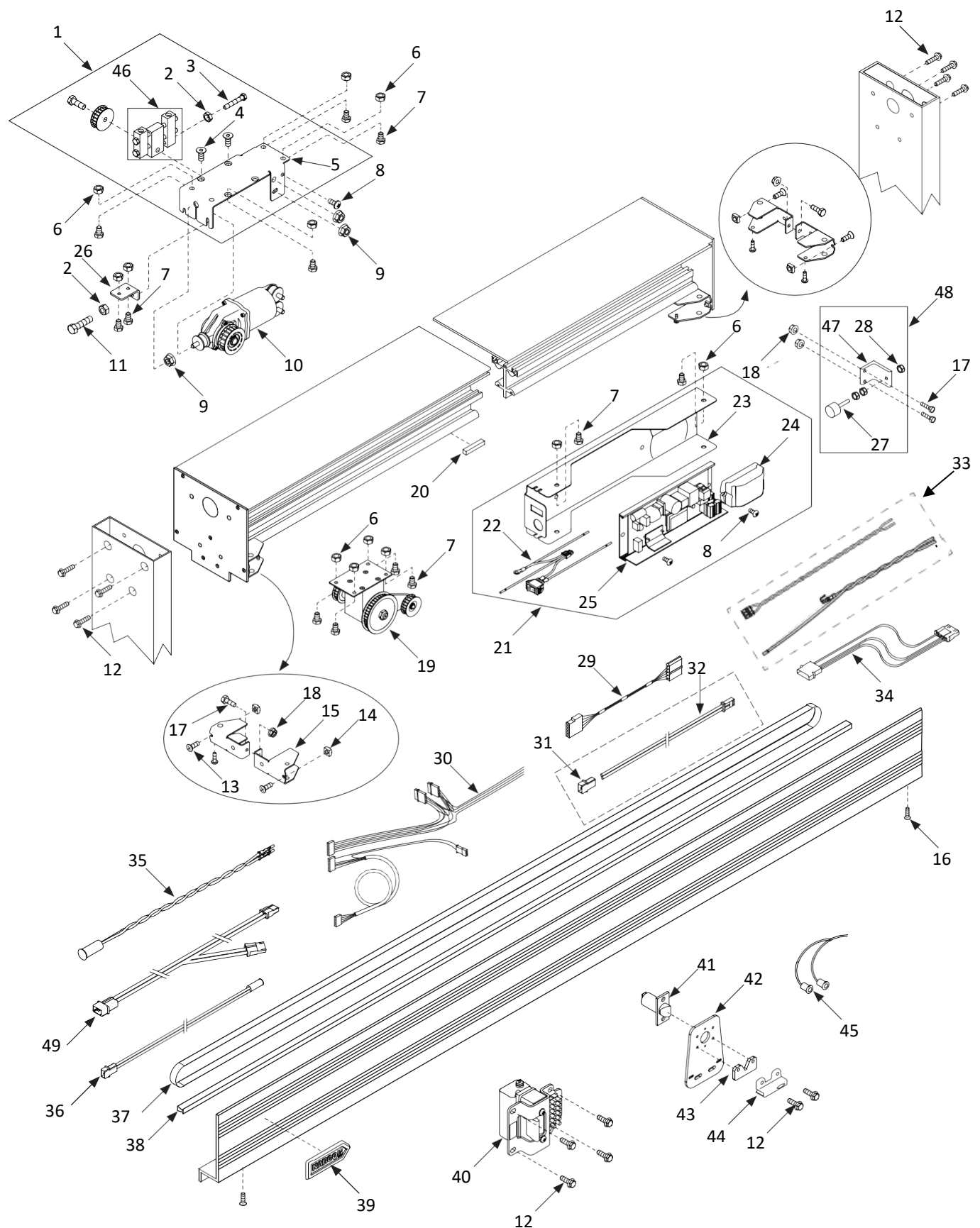
10" Bottom Rail, Fixed Sidelite Slide Doors (Order both Kits for Bi-Part Doors)



DN 1673

Item	Part	Note	Description	QTY	Used To
1	T-00010		HHCS,1/4-20x0.750L.,WHIZLOCK,ZINC	4	Secure Belt Bracket to Carrier
2	M-00709		COVER, PLATE, BOTTOM GUIDE, FS	8	Secure Header to Jamb Tubes
3	T-00062	Zinc	FHSMS,1/4x1.250L.,PHIL,TAPCON,BLUE	1	Cover Bottom Guide Cut Out
4	T-00043	Zinc	FHMS,10-24x0.375L.,PHIL,UNDERCUT,ZINC	2	Secure Floor Bracket (M-01368) to Floor
	T-00045	Blk Zinc	FHMS,10-24x0.375L.,PHIL,UNDERCUT,BLK ZN	3	Secure Floor Bracket (M-01368) to Strike Stile
5	M-02086		BRACKET,ANCHOR,LOWER,FS,TELESCOPIC	1	Secure Fixed Sidelite to Floor
6	T-00222	Zinc	PHSMS,6x0.500L.,PHIL,TEKS,ZINC	8	Secure Brush Holder to Door Panel(s)
	T-00260	Blk Zinc	PHSMS,6x0.500L. PHIL,TEKS BLK ZN		
7	T-00064		HHCS,1/4-20x0.750L.,ZINC	4	Secure Bottom Guide to Slide Door, Pivot Stile
8	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC	4	Keep Screw (T-00064) in place
9	A-00181	RH	BTM GUIDE DOUBLE ROLLER ASM, RH	2	Allow Slide Door to Open/Close.
	A-00183	LH	BTM GUIDE DOUBLE ROLLER ASM, LH		
	A-00518	RH, 10"	GUIDE,BOTTOM,DOUBLE ROLLER,RAIL-RH,10"		
	A-00508	LH, 10"	GUIDE,BOTTOM,DOUBLE ROLLER,RAIL-LH,10"		
10	M-01472		BRACKET:COVER:FS TELESCOPIC	1	Secure Fixed Sidelite to Header Cover
11	T-00496	Zinc	PHMS,10-24X0.625L.,PHIL,SWAGEFORM,ZINC	1	Secure Header Cover to Header Bracket (M-02059)
	T-00497	Blk Zinc	PHMS,10-24X0.625L.,PHIL,SWAGEFORM,BLK ZN		
12	T-00261		SHSS,5/16-24x0.500L.,CUP PT.	2	Adjust PreLoad on Slide Door (Top of Strike Stile)
13	T-00015	Zinc	FHMS,1/4-20x0.750L.,PHIL,ZINC	3	Secure Cover Bracket to FX Sidelite Strike Stile
	T-00017	Blk Zinc	FHMS,1/4-20x0.750L.,PHIL,BLK ZN		

SERVICE PARTS: HEADER



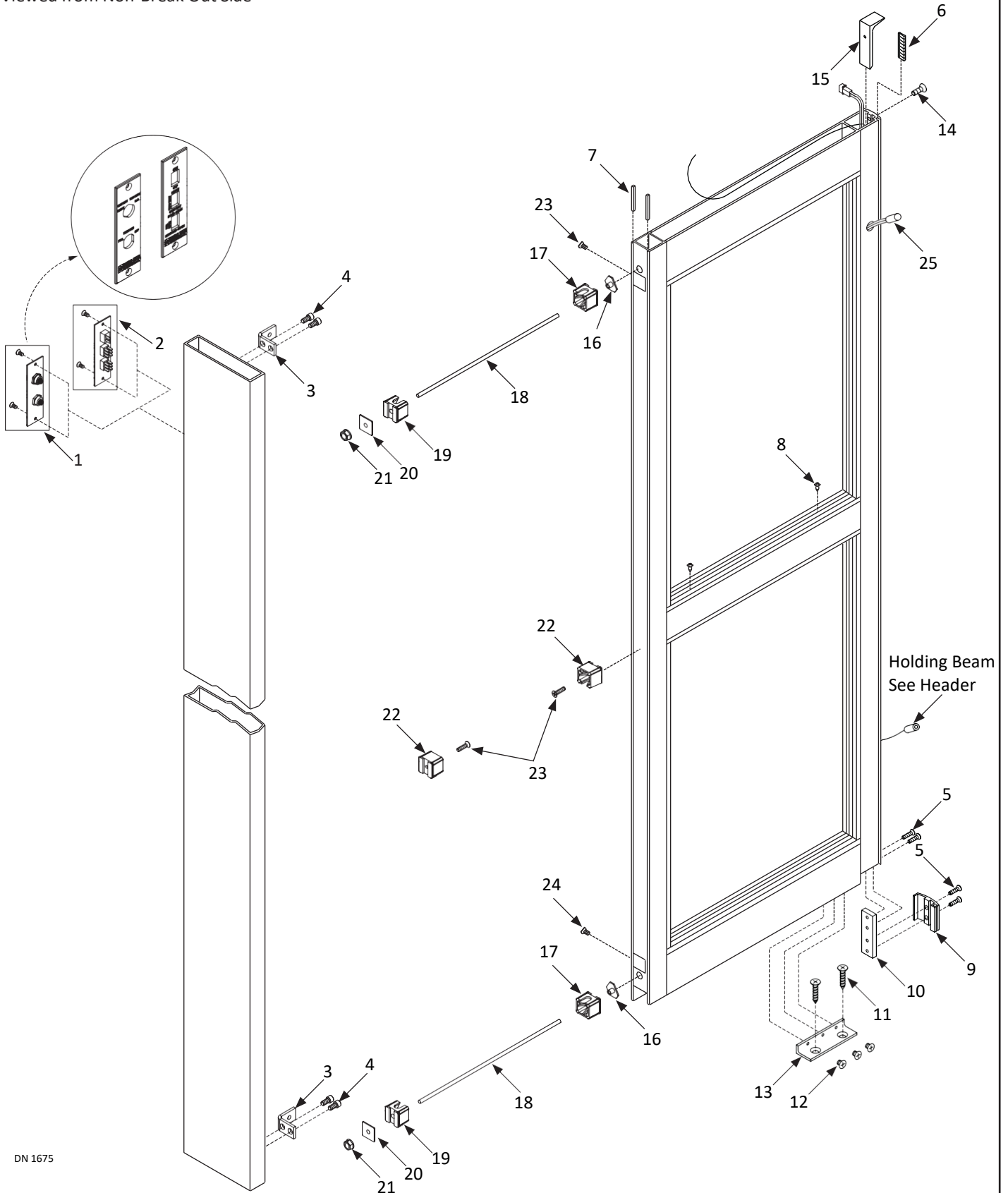
Header			
Item	Part	Finish/Sizes/Notes	Description
1	A-01422-10	RHFO/LHFS	ASM, VS-150 BRACKET, RHFO/LHFS, TELE
	A-01422-20	LHFO/RHFS	ASM, VS-150 BRACKET, LHFO/RHFS/BP, TELE
2	T-00067		NUT, HEX, JAM, 3/8-16, ZINC
3	T-00163		HHCS, 3/8-16x2.250L., FULL THREAD, ZINC
4	T-00334		FHMS: 5/16-18x0.750L.:SOKT:ZN
5	M-02049		BRACKET, MOUNTING, VS-150, TELESCOPIC
6	T-00144		NUT, HEX, 5/16-18, ZINC
7	T-00510		HHCS, 5/16-18x0.500L., GRADE 2, ZINC
8	T-00420		PHMS, 8-32x0.375I, PHIL, SWAGEFORM, ZINC
9	T-00495		NUT, WHIZLOCK, M8-1.25, ZINC
10	V-00914		OPERATOR, VS-150
11	T-00161		HHCS, 3/8-16x1.500L., FULL THREAD, ZINC
12	T-00010 */**	In Part Bag A-00408, A-00618 & A-00619	HHCS, 1/4 -20x0.750L., WHIZLOCK, ZINC
13	T-00015		FHMS, 1/4-20x0.750L., PHIL, ZINC
14	T-00058		NUT, SQ., 1/4-20, ZINC
15	M-02059		BRACKET, HEADER COVER, TELESCOPIC
16	T-00496	Zinc	PHMS, 10-24x0.625L., PHIL, SWAGEFORM, ZINC
	T-00497	Black Zinc	PHMS, 10-24x0.625L., PHIL, SWAGEFORM, BLK ZN
17	T-00064		HHCS, 1/4-20x0.750L., ZINC
18	T-00056		NUT, WHIZLOCK, 1/4-20, ZINC
19	A-01421-10		ASM, 2:1 REDUCER, RHFO/LHFS, TELESCOPIC
	A-01421-20		ASM, 2:1 REDUCER, LHFO/RHFS/BP, TELESCOPIC
20	M-00281		FOAM WEATHERSTRIPPING ADHESIVE BACKED
21	A-01420		ASM, OPUS CONTROLLER, 1175, TELE
22	M-02042		HARNESS, POWER, 1175, OPUS
23	M-02048		BRACKET, OPUS, TELESCOPIC
24	A-00129		AMPLIFIER, PHOTOEYE, OPTEX ASSY
25	M-01546		CONTROLLER, OPUS
26	M-00942		BRKT, BELT TENSIONING
27	M-00530		BUMPER, RUBBER, 1/4"-20 THREAD
28	T-00002		NUT, HEX, 1/4-20, ZINC
29	A-00967	36 inches	HARNESS; EXTENSION; ROCKER SWITCH; 36IN.
30	M-02046		HARNESS, MAIN, 1175, OPUS, TELESCOPIC
31	V-00034		HOUSING, 2 POS, FOR MATE-N-LOCK PINS
32	M-01070	15 inches	HARNESS, POWER DOWN, FS 1175
	M-01136	40 inches	HARNESS, BREAK OUT SWITCH, 35IN EXTENSION

When ordering M-01070 or
M-01136, part V-00034 (above)
needs to be ordered as well.

Header			
Item	Part	Finish/Sizes/Notes	Description
33	M-02044 */**		KIT, HARNESS, ELECTRIC LOCK, 1175, OPUS-2 pcs (<i>INCLUDES TWO CABLE ASSEMBLIES</i>)
34	M-01168	24 inches	HARNESS, ACUSENSOR EXT, 24 INT
	M-02064	38 inches	HARNESS, EXTENSION, 1175 SENSOR, 38"
	M-01156	48 inches	ACUSENSOR EXT HARNESS 48" INT.
35	A-00144		ASM, REED SWITCH, N.O., STD GAP, 15" LEADS
36	A-00758		SWITCHBREAKOUT
37	V-00917		BELT, TIMING, S8M X 12mm WIDE
38	M-00688		PILE WEATHERING .45 TALL W/ADHESIVE
39	C-00067		NAMEPLATE, ADHESIVE BACKED
40	A-00293 *	Fail Secure	ELECTRIC STRIKE, TELE FAIL SECURE, ASM
	A-00294 **	Fail Safe	ELECTRIC STRIKE, TELE FAIL SAFE, ASM
41	A-00264 */**		LATCHBOLT, HEAVY DUTY, MODIFIED
42	M-02037		BRACKET, BELT CLIP, VS-150, TELESCOPIC
43	M-02039		SPACER, BELT CLIP, VS-150
44	V-00916		CLIP, BELT, "S8M" PROFILE
45	V-00073	Extension Cable	HOLDING BEAM, PHOTO ELECTRIC, W/EXT CABLE
46	M-02050		KIT, IDLER BLOCKS, TELESCOPIC (3 pcs)
47	M-00958		BRKT, STOP, TELE
48	A-00299		DOOR STOP, TELE ASM
49	M-02047		HARNESS, "Y", BREAKOUT
50	A-01230 *		KIT, TELESCOPIC, ELECTRIC LOCK, FAIL SECURE, U30, OPUS (<i>ITEM #'S: 12*, 33*, 40*, AND 41*</i>)
51	A-01231 **		KIT, TELESCOPIC, ELECTRIC LOCK, FAIL SAFE, U30, OPUS (<i>ITEM #'S: 12**, 33**, 40**, AND 41**</i>)

SERVICE PARTS: LEFT HAND FIXED SIDELITE

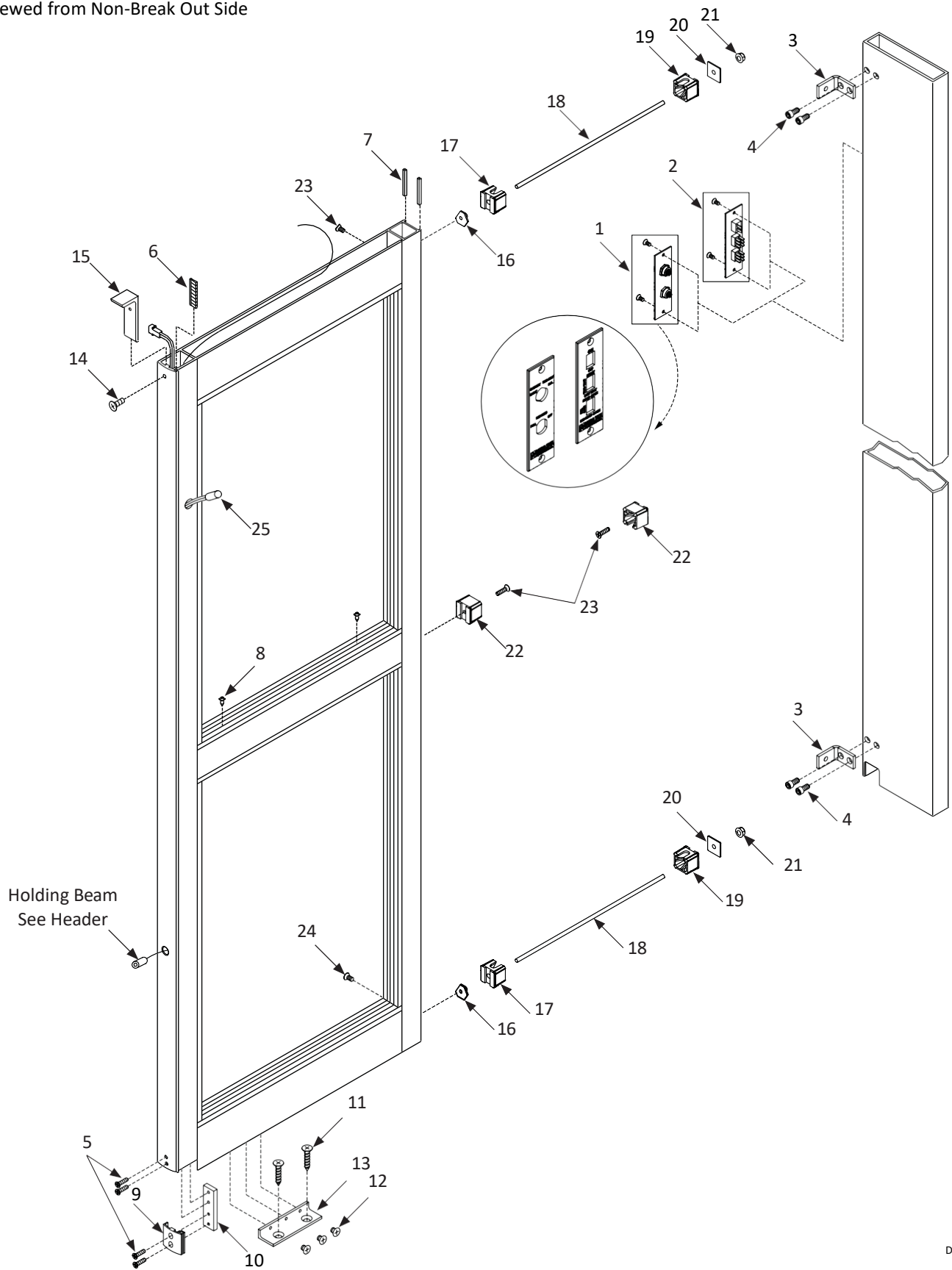
Viewed from Non-Break Out Side



DN 1675

SERVICE PARTS: RIGHT HAND FIXED SIDELITE

Viewed from Non-Break Out Side



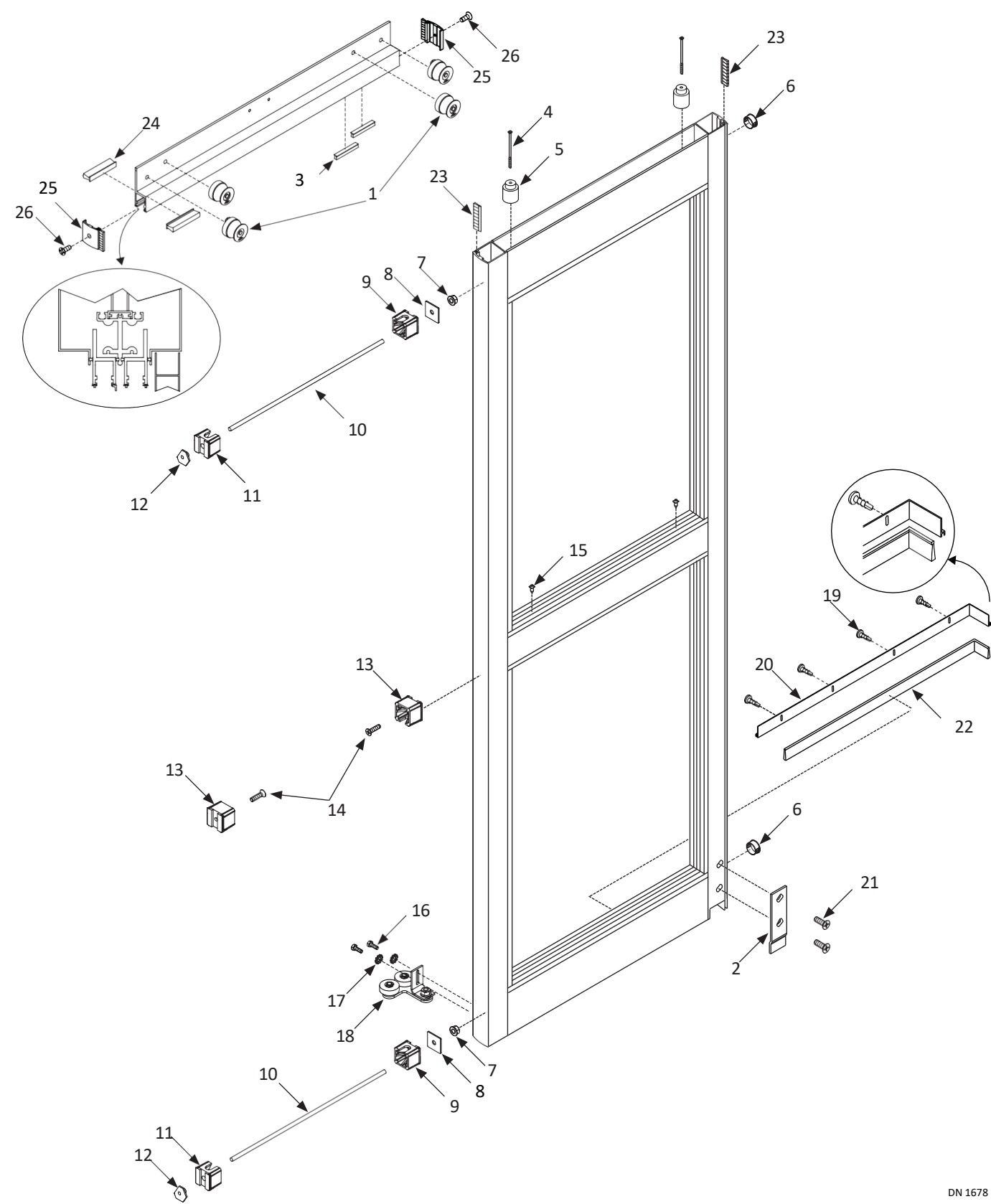
DN 1674

Fixed Sidelite

Item	Part	Finish/Sizes/Notes	Description
1	M-01144	NABCO	SWITCH, KEY - NABCO
2	M-00428	NABCO	SWITCH MODULE,3 ROCKER,NABCO
3	M-00706		BRACKET,MOUNTING ,FIXED SIDELITE
4	T-00053		SHCS,1/4-20x0.500L.,ZINC
5	T-00176	Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,ZINC
	T-00183	Black Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,BLKZN
6	M-00695		BRUSH, NYLON, .56 LX1.875L.
7	M-00281	Include Length needed when ordering	FOAM WEATHERSTRIPPING ADHESIVE BACKED
8	T-00006		FHSMS,10x0.750L.,PHIL,ZINC
9	M-62078	Clear	COVER,FS ACCESS,TELESCOPIC,204
	M-72078	Dark Bronze	COVER,FS ACCESS,TELESCOPIC,313
10	M-02079		NUT BAR,FS ACCESS COVER,TELESCOPIC
11	T-00062	In Part Bag A-00618 & A-00619	FHSMS,1/4x1.250L.,PHIL,TAPCON,BLUE
12	T-00043	Zinc/In Part Bag A-00618 & A-00619	FHMS,10-24x0.375L.,PHIL,UNDERCUT,ZINC
	T-00045	Black Zinc/In Part Bag A-00618 & A-00619	FHMS,10-24x0.375L.,PHIL,UNDERCUT,BLK ZN
13	M-02086	In Part Bag A-00618 & A-00619	BRACKET,ANCHOR,LOWER,FS,TELESCOPIC
14	T-00015	Zinc/In Part Bag A-00618 & A-00619	FHMS,1/4-20x0.750L.,PHIL,ZINC
	T-00017	Black Zinc/In Part Bag A-00618 & A-00619	FHMS,1/4-20x0.750L.,PHIL,BLK ZN
15	M-01472	In Part Bag A-00618 & A-00619	BRACKET:COVER:FS TELESCOPIC
16	M-00416		T-NUT, 3/8"-16, TIE ROD
17	M-00460		CLIP,MUNTIN,.500 HOLE
18	M-00272		3/8-16 THREADED ROD
19	M-00461		CLIP,MUNTIN,.386 HOLE
20	M-00422		PLATE,TIE ROD
21	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
22	M-00462		CLIP,MUNTIN,.261 HOLE
23	T-00061	Zinc	FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
24	T-00055	Zinc	FHMS,1/4-20x0.500L.,PHIL,ZINC
	T-00057	Black Zinc	FHMS,1/4-20x0.500L.,PHIL,BLK ZN
25	A-00387	White/Installed inside Strike Stile/See Header for Extension Harnesses	BREAK OUT SWITCH, WIDE GAP - F/S

SERVICE PARTS: LEFT HAND FIXED SIDELITE TRAIL DOOR

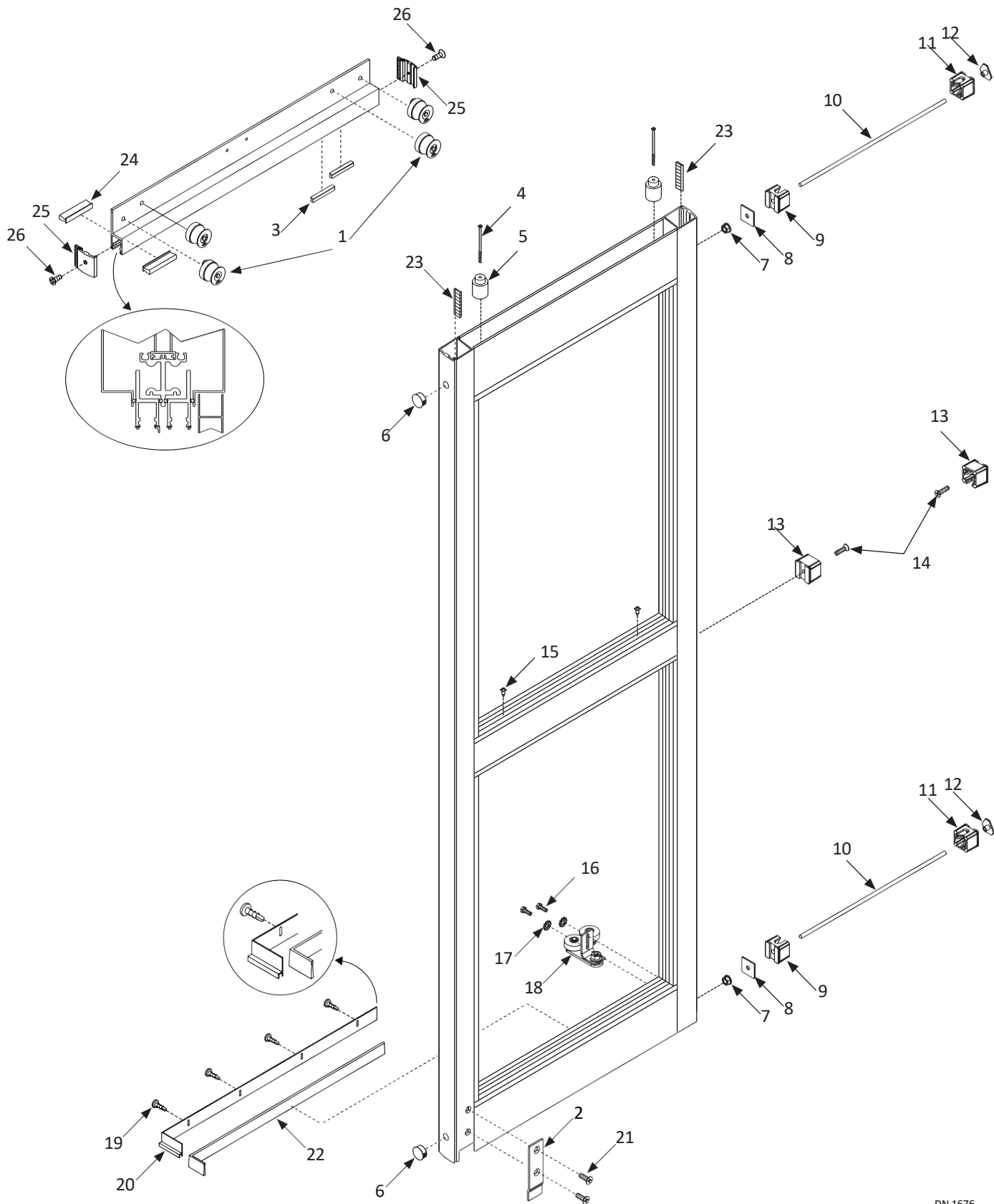
Viewed from Break Out Side



DN 1678

SERVICE PARTS: RIGHT HAND FIXED SIDELITE TRAIL DOOR

Viewed from Break Out Side



DN 1676

Fixed Sidelite Trail Door

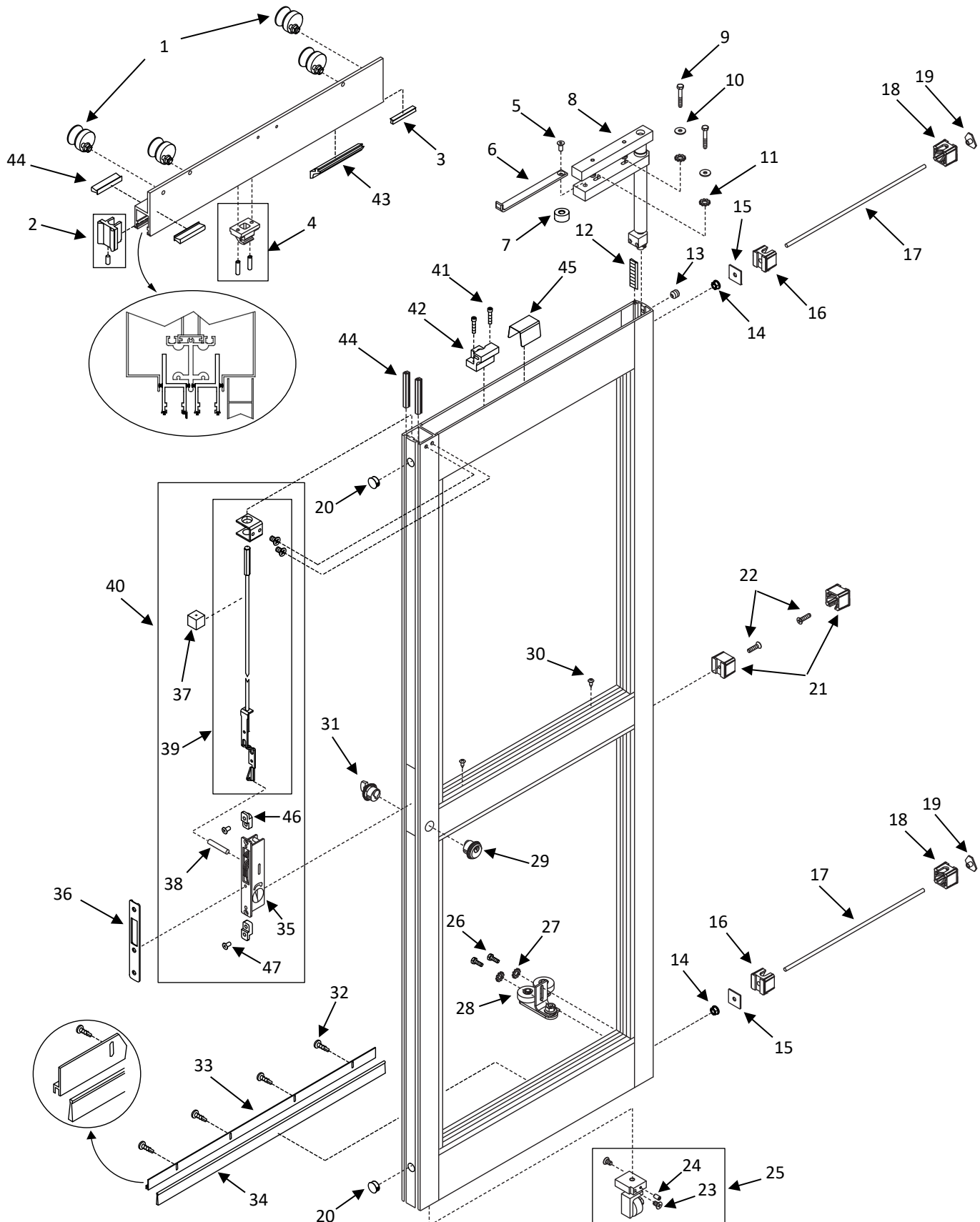
Item	Part	Finish/Sizes/Notes	Description
1	A-00416		ROLLER HANGER,30mm
2	M-00709	In Part Kits: * / ** / ^ / ^^	COVER, PLATE, BOTTOM GUIDE, FS
3	M-00690		WEATHER, PILE .2
4	T-00508		FHMS,1/4-20x4.000L.,PHIL,ZINC
5	M-01095		ADAPTER,BLOCK,NO PANIC,DOOR SLIDER
6	T-00085		PLUG, DOME, .813 DIAMETER
7	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
8	M-00422		PLATE,TIE ROD
9	M-00461		CLIP,MUNTIN,.386 HOLE
10	M-00272		3/8-16 THREADED ROD
11	M-00460		CLIP,MUNTIN,.500 HOLE
12	M-00416		T-NUT, 3/8"-16, TIE ROD
13	M-00462		CLIP,MUNTIN,.261 HOLE
14	T-00061		FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
15	T-00006		FHSMS,10x0.750L.,PHIL,ZINC
16	T-00064	In Part Kits: * / ** / ^ / ^^	HHCS,1/4-20x0.750L.,ZINC
17	T-00087	In Part Kits: * / ** / ^ / ^^	WASHER, LOCK, EXT, 1/4 ID, ZINC
18	A-00181	In Part Kit: *	BTM GUIDE DOUBLE ROLLER ASM, RH
	A-00183	In Part Kit: **	BTM GUIDE DOUBLE ROLLER ASM, LH
	A-00518	In Part Kit: ^	BOTTOM GUIDE DOUBLE ROLLER ASM, RH, 10" RAIL
	A-00508	In Part Kit: ^^	BOTTOM GUIDE DOUBLE ROLLER ASM, LH, 10" RAIL
19	T-00222	In Part Kits: * / ** / ^ / ^^	PHSMS,6x0.500L.,PHIL,TEKS,ZINC
	T-00260	In Part Kits: * / ** / ^ / ^^	PHSMS,6x0.500L. PHIL,TEKS BLK ZN
20	14-10659-01		WEATHERING HOLDER
	14-10659-02		WEATHERING HOLDER
	14-10660-01		WEATHERING HOLDER
	14-10660-02		WEATHERING HOLDER
21	T-00015	In Part Kits: * / ** / ^ / ^^	FHMS,1/4-20x0.750L.,PHIL,ZINC
22	M-00274		BRUSH, NYLON, 1" STEPPED
23	M-00695		BRUSH, NYLON, .56 L
24	M-00688		PILE WEATHERING .45 TALL W/ ADHESIVE
25	A-00415	Clear	END CAP W/ BRUSH,7/16x1-7/8,204
	A-70415	Dark Bronze	END CAP W/ BRUSH,7/16x1-7/8,313
26	T-00176	Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,ZINC
	T-00183	Black Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,BLKZN
27	A-00618	Parts Kit *	PARTS KIT, TELE, FS, RH
28	A-00619	Parts Kit **	PARTS KIT, TELE, FS, LH
29	A-01396	Parts Kit ^	PARTS KIT, TELE FS, RH, 10" BOTTOM RAIL
30	A-01397	Parts Kit ^^	PARTS KIT, TELE FS, LH 10" BOTTOM RAIL

Viewed from Break Out Side



SERVICE PARTS: RIGHT HAND LEAD DOOR FIXED SIDELITE

Viewed from Break Out Side



DN 1679

Fixed Sidelite Lead Door

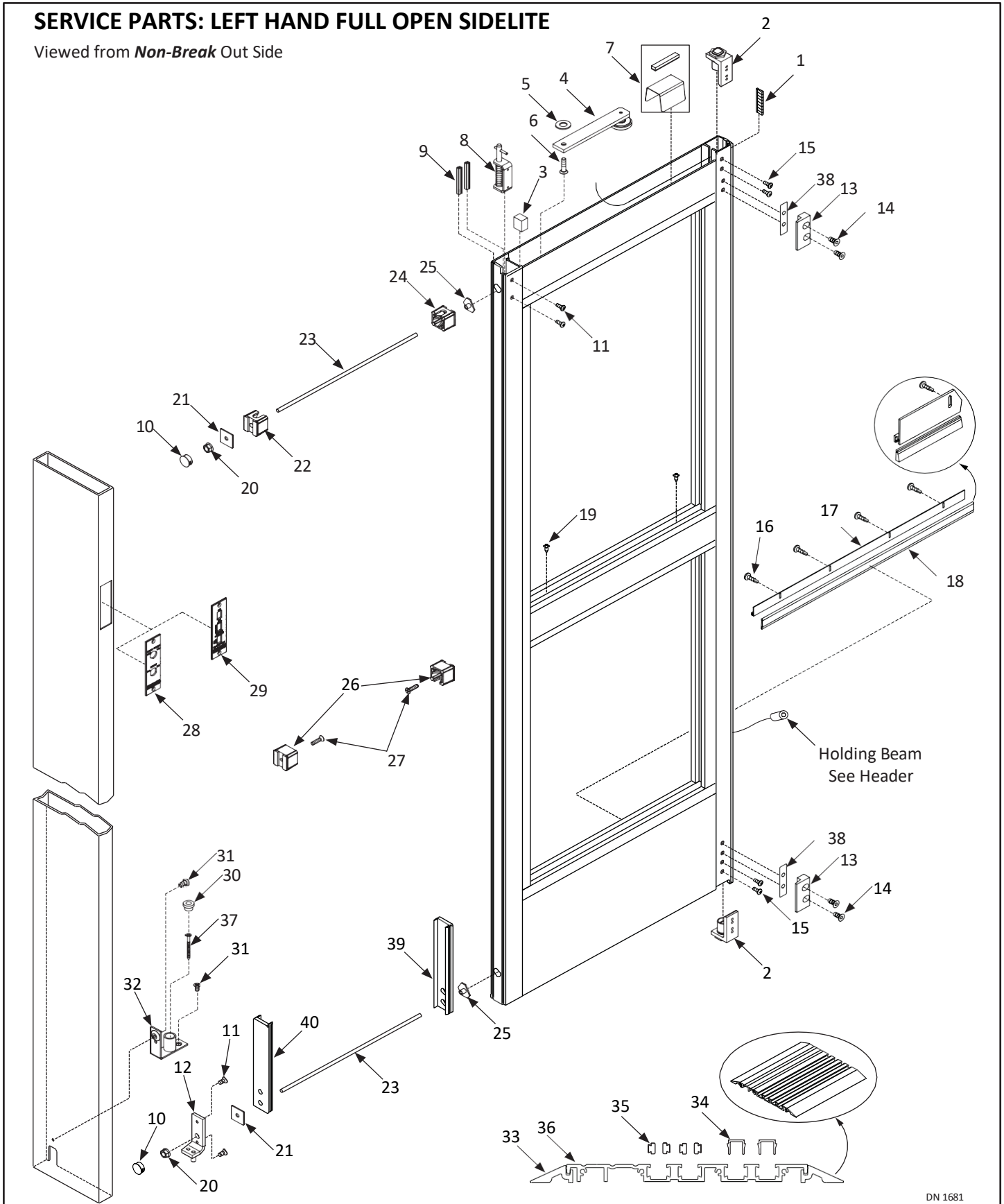
Item	Part	Finish/Sizes/Notes	Description
1	A-00416		ROLLER HANGER,30mm
2	A-00301-10	Narrow Stile	ENDCAP,STRIKE END,2",F86 NARROW STILE
	A-00301-20	Medium Stile	ENDCAP, STRIKE END,3",F86 MEDIUM STILE
3	M-00690		WEATHER, PILE .2
4	A-00071		PANIC CATCH, UPPER,ASM.
5	T-00528		FHCS,7/16-14x1.500L.,ZINC, W/NYLON PATCH
6	A-01167		LIMIT ARM,TELESCOPING SLIDER
7	M-02125		SPACER, LIMIT ARM
8	A-00092	Narrow Stile	CARRIER,PIVOT,NARROW STILE
	A-00165	Medium Stile	CARRIER, PIVOT ASSY, MED STILE
	A-00168	Narrow Panel & Narrow Stile	CARRIER PIVOT ASM. NRW PANEL & STILE
	A-00172	Narrow Panel; Medium Stile	CARRIER,PIVOT,ASM.,NRW.PNL - MED.STILE
9	T-00028		HHCS,1/4-20x1.750L.,GR5,ZINC
10	T-00029		WASHER,.250 ID,.563 OD,.049 THK,ZINC
11	T-00087	In Part Kits * / ** / ^ / ^^	WASHER, LOCK, EXT, 1/4 ID, ZINC
12	M-00695		BRUSH, NYLON, .56 LX1.875L.
13	T-00261	In Part Kits * / ** / ^ / ^^	SHSS,5/16-24x0.500L.,CUP PT.
14	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
15	M-00422		PLATE,TIE ROD
16	M-00461		CLIP,MUNTIN,.386 HOLE
17	M-00272		3/8-16 THREADED ROD
18	M-00460		CLIP,MUNTIN,.500 HOLE
19	M-00416		T-NUT, 3/8"-16, TIE ROD
20	T-00085		PLUG, DOME, .813 DIAMETER
21	M-00462		CLIP,MUNTIN,.261 HOLE
22	T-00061		FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
23	T-00016	Zinc	FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,ZINC
	T-00108	Black Zinc	FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,BLK ZN
24	T-00105		SHSS,8-32x0.313L.,CUP PT.
25	A-00198	Narrow	NOSE CASTER ASSY, NAR
	A-00207	Medium	NOSE CASTER ASSY, MED
26	T-00064	In Part Kits * / ** / ^ / ^^	HHCS,1/4-20x0.750L.,ZINC
27	T-00087	In Part Kits * / ** / ^ / ^^	WASHER, LOCK, EXT, 1/4 ID, ZINC
28	A-00181	In Part Kit *	BTM GUIDE DOUBLE ROLLER ASM, RH
	A-00183	In Part Kit **	BTM GUIDE DOUBLE ROLLER ASM, LH
	A-00518	In Part Kit ^	BTM GUIDE DOUBLE ROLLER ASM, RH, 10" RAIL
	A-00508	In Part Kit ^^	BTM GUIDE DOUBLE ROLLER ASM, LH, 10" RAIL
29	V-00123	Clear	CYLINDER,LOCK,KEYED,204
	V-70123	Dark Bronze	CYLINDER,LOCK,KEYED,313
30	T-00006		FHMS,10x0.750L.,PHIL,ZINC
31	V-00116	Clear	CYLINDER,LOCK,THUMBTURN,204
	V-70116	Dark Bronze	CYLINDER,LOCK,THUMBTURN,313

Fixed Sidelite Lead Door

Item	Part	Finish/Sizes/Notes	Description
32	T-00222	In Part Kits: * / ** / ^ / ^^	PHSMS,6x0.500L.,PHIL,TEKS,ZINC
	T-00260	In Part Kits: * / ** / ^ / ^^	PHSMS, 6x0.500L. PHIL, TEKS, BLK ZN
33	M-60278	Clear	HOLDER,WEATHERING BRUSH,204,EXTRU
	M-70278	Dark Bronze	HOLDER,WEATHERING BRUSH,313,EXTRU
34	M-00274	Stepped	BRUSH, NYLON, 1" STEPPED
35	V-00005		LOCK, MORTISE, HOOK, 31/32, ADAMS-RITE
36	V-00014	Clear	COVER,MS LOCK,W/ CUTOUT,204
	V-70014	Dark Bronze	COVER,MS LOCK,W/ CUTOUT,313
37	M-00974		BLOCK,FOAM
38	T-00132		PIN,ROLL,5/32D X 0.875L.
39	V-00094		LOCKROD, ADAMS-RITE #4015
40	A-00802		LOCK,W/ ROD,CRL – WITH GUIDE
41	T-00037		SHCS,1/4-20x1.250L.,ZINC
42	A-00069		PANIC CATCH, BOTTOM
43	M-60288	Clear	INTERFACE LEG,204,EXTRU
	M-70288	Dark Bronze	INTERFACE LEG,313,EXTRU
44	M-00688		PILE WEATHERING .45 TALL W/ ADHESIVE
45	M-00653		BRACKET, LIMIT ARM SUPPORT
46	M-00471		BLOCK,MOUNTING, LOCK COVER,MS LOCK
47	T-00043	In Part Kits: * / ** / ^ / ^^	FHMS,10-24x0.375L.,PHIL,UNDERCUT,ZINC
48	A-00618	Parts Kit *	PARTS KIT, TELE, FS, RH
49	A-00619	Parts Kit **	PARTS KIT, TELE, FS, LH
50	A-01396	Parts Kit ^	PARTS KIT, TELE, FS, RH, 10" BOTTOM RAIL
51	A-01397	Parts Kit ^^	PARTS KIT, TELE, FS, LH, 10" BOTTOM RAIL

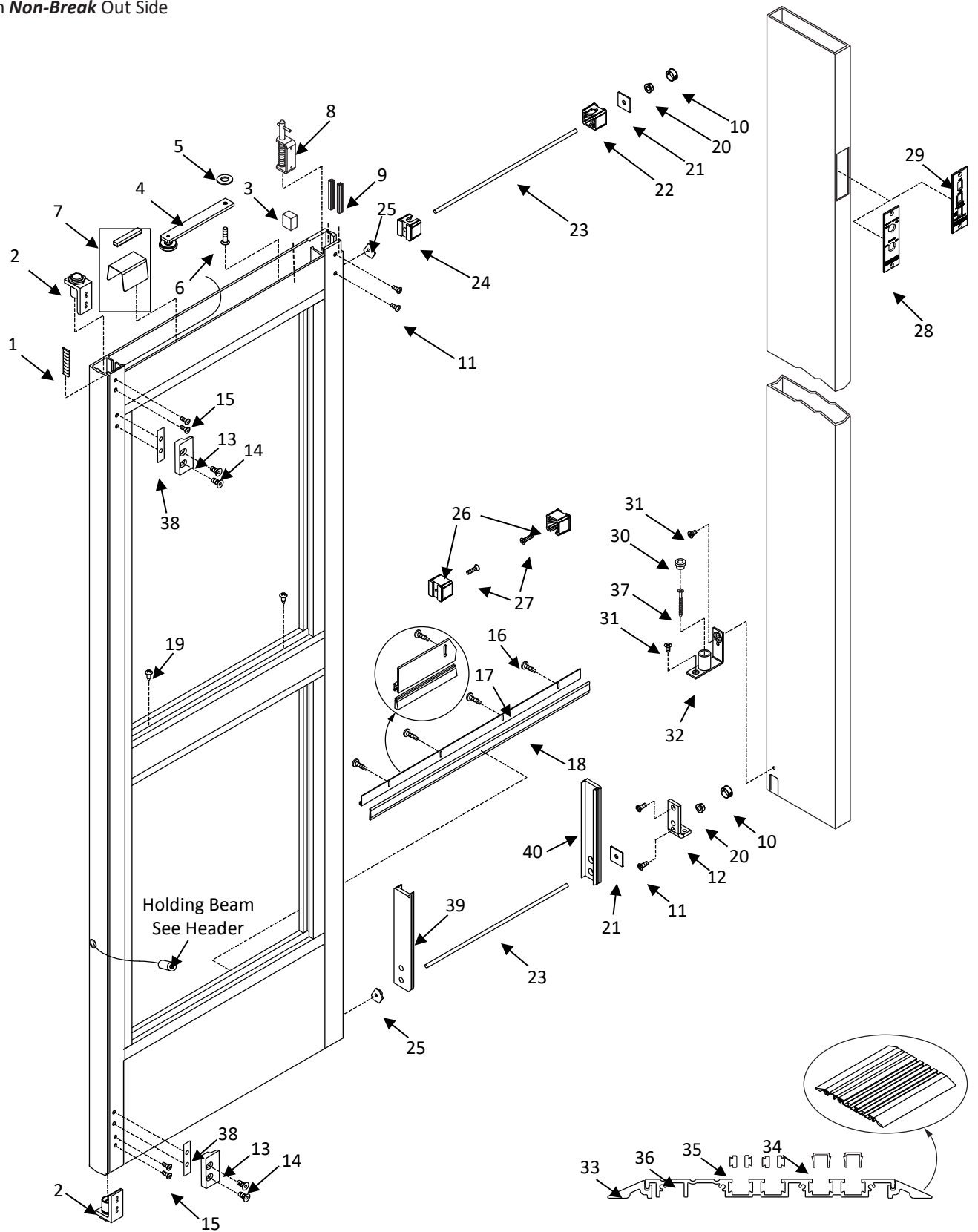
SERVICE PARTS: LEFT HAND FULL OPEN SIDELITE

Viewed from *Non-Break* Out Side



SERVICE PARTS: RIGHT HAND FULL OPEN SIDELITE

Viewed from **Non-Break** Out Side



DN 1682

Full Open Sidelite

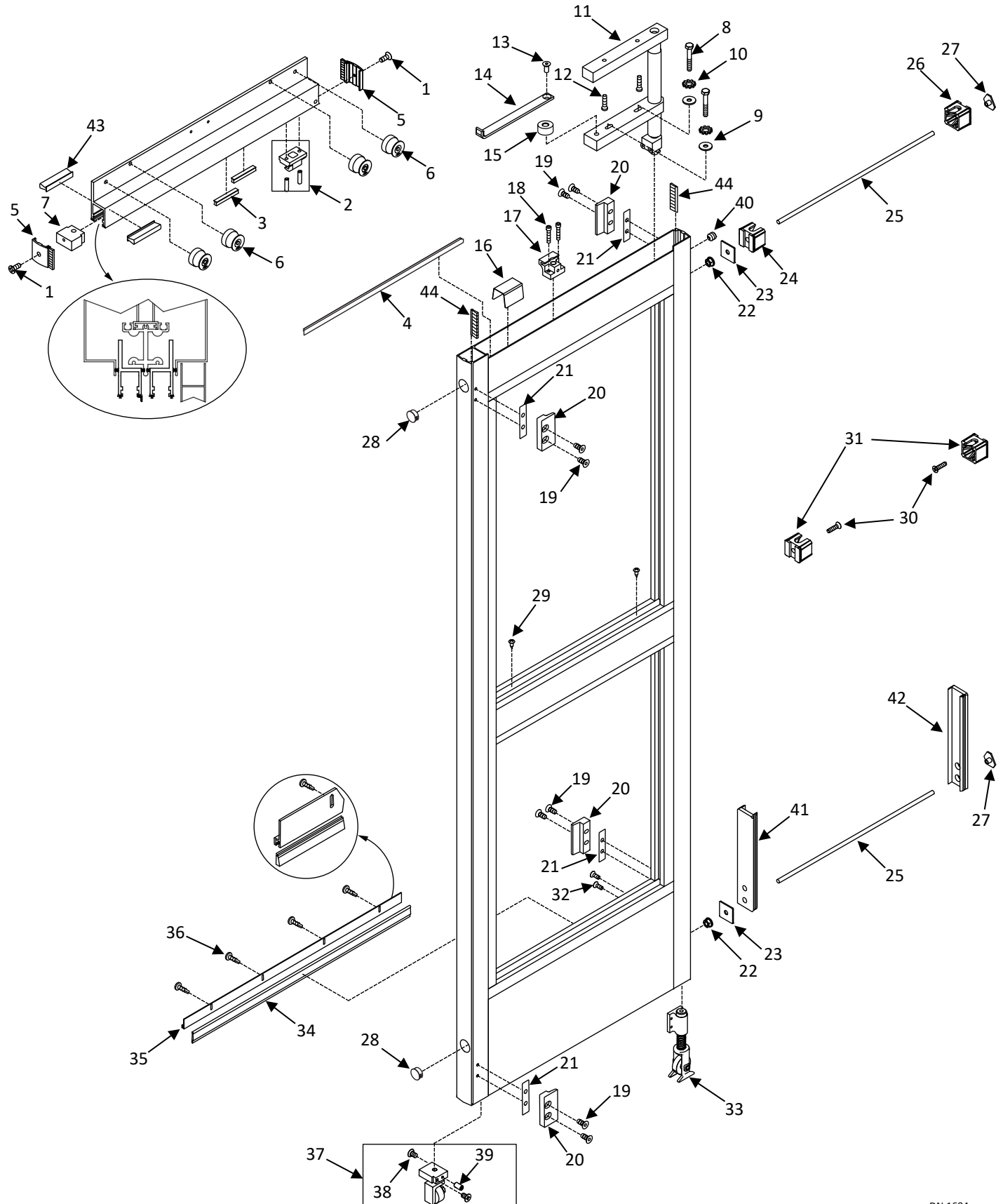
Item	Part	Finish/Sizes/Notes	Description
1	M-00695		BRUSH, NYLON, .56 LX1.875L.
2	A-00057		BALL DETENT,ASSEMBLY
3	A-00166		STOP BLOCK ASSY, SWING PANEL LIMIT ARM
4	A-00060	Narrow/In Part Bag A-00408	LIMIT ARM,SWING PANEL,ASM.NRW.STILE
	A-00406	Medium/In Part Bag A-00408	LIMIT ARM, SWING PANEL, MED STILE
5	T-00069	In Part Bag A-00408	WASHER,.255 ID,.900 OD,.125 THK,NYLON
6	T-00083	In Part Bag A-00408	FHMS,1/4-20x1.000L.,PHIL,UCUT,VIBRATITE
7	A-00149		ASM, MAGNET, BREAKOUT
8	A-00029		ASM, TOP PIVOT, 1175 SWING PANEL
9	M-00687		WEATHERING, PILE .57 TALL
10	T-00085		PLUG, DOME, .813 DIAMETER
11	T-00016		FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,ZINC
12	M-00745	LH	PIVOT, BOTTOM, SWING PANEL, LH
	M-00744	RH	PIVOT, BOTTOM, SWING PANEL, RH
13	M-00440		INTERLOCK, PLASTIC, 1175
14	T-00078		PHMS,10-32x0.625L.,PHIL,ZINC
15	T-00027	Zinc	PHMS,10-32x0.500L.,PHIL,ZINC
	T-00051	Black Zinc	PHMS,10-32x0.500L.,PHIL,BLK ZN
16	T-00222	Zinc/In Part Bag A-00408	PHSMS,6x0.500L.,PHIL,TEKS,ZINC
	T-00260	Black Zinc/In Part Bag A-00408	PHSMS,6x0.500L. PHIL,TEKS BLK ZN
17	M-60278	Clear	HOLDER,WEATHERING BRUSH,204,EXTRU
	M-70278	Dark Bronze	HOLDER,WEATHERING BRUSH,313,EXTRU
18	M-00274		BRUSH, NYLON, 1" STEPPED
19	T-00006		FHSMS,10x0.750L.,PHIL,ZINC
20	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
21	M-00422		PLATE,TIE ROD
22	M-00461		CLIP,MUNTIN,.386 HOLE
23	M-00272		3/8-16 THREADED ROD
24	M-00460		CLIP,MUNTIN,.500 HOLE
25	M-00416		T-NUT, 3/8"-16, TIE ROD
26	M-00462		CLIP,MUNTIN,.261 HOLE
27	T-00061		FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
28	M-01144		SWITCH, KEY - NABCO
29	M-00428		SWITCH MODULE,3 ROCKER,NABCO
30	M-00606	In Part Bag A-00408	BUSHING, BOTTOM PIVOT, SWING PANEL
31	T-00007	In Part Bag A-00408	FHMS,1/4-20x0.500L.,PHIL,UNDR CUT,F-PT,ZN
32	M-00611	In Part Bag A-00408	FLOOR PIVOT BRACKET
33	M-60260		RAMP, THRESHOLD EXTENSION,204,EXTRU
34	M-00295		THRESHOLD, FILLER
35	M-00291		THRESHOLD, BUMPER
36	M-60325		THRESHOLD,TELESCOPIC,7 X 1/2IN,204,EXTRU

Full Open Sidelite

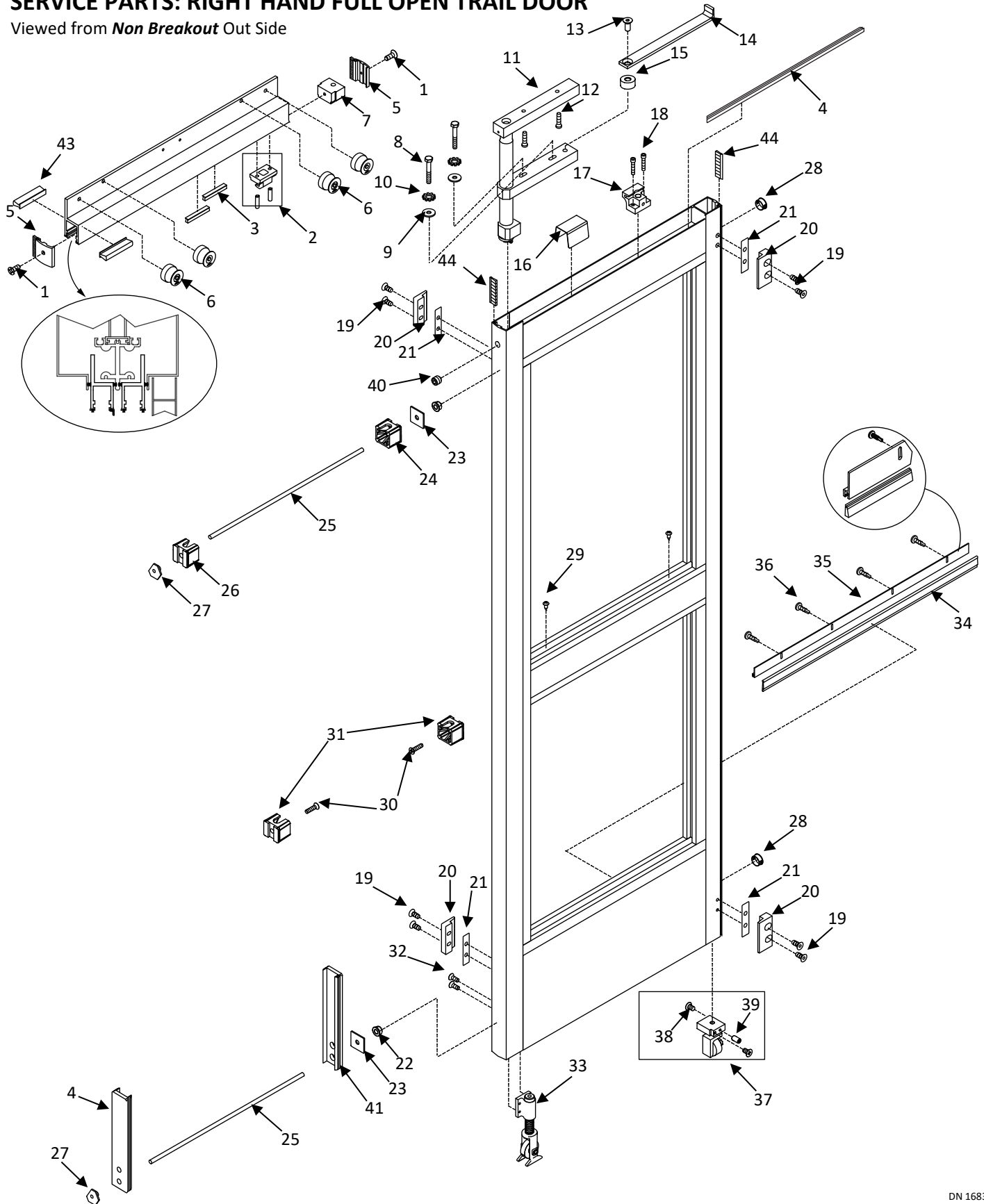
Item	Part	Finish/Sizes/Notes	Description
37	T-00008	In Part Bag A-00408	FHSMS,1/4x2.750L.,PHIL,TAPCON,BLUE
38	M-00494		SHIM, INTERLOCK
39	A-01254	For Optional 10" Rail only	CLIP, RAIL, 10,.500 HOLE
40	A-01253	For Optional 10" Rail only	CLIP, RAIL, 10,.391 HOLE

SERVICE PARTS: LEFT HAND FULL OPEN TRAIL DOOR

Viewed from **Non-Break** Out Side



DN 1684

SERVICE PARTS: RIGHT HAND FULL OPEN TRAIL DOORViewed from *Non Breakout* Out Side

DN 1683

Full Open Trail Door

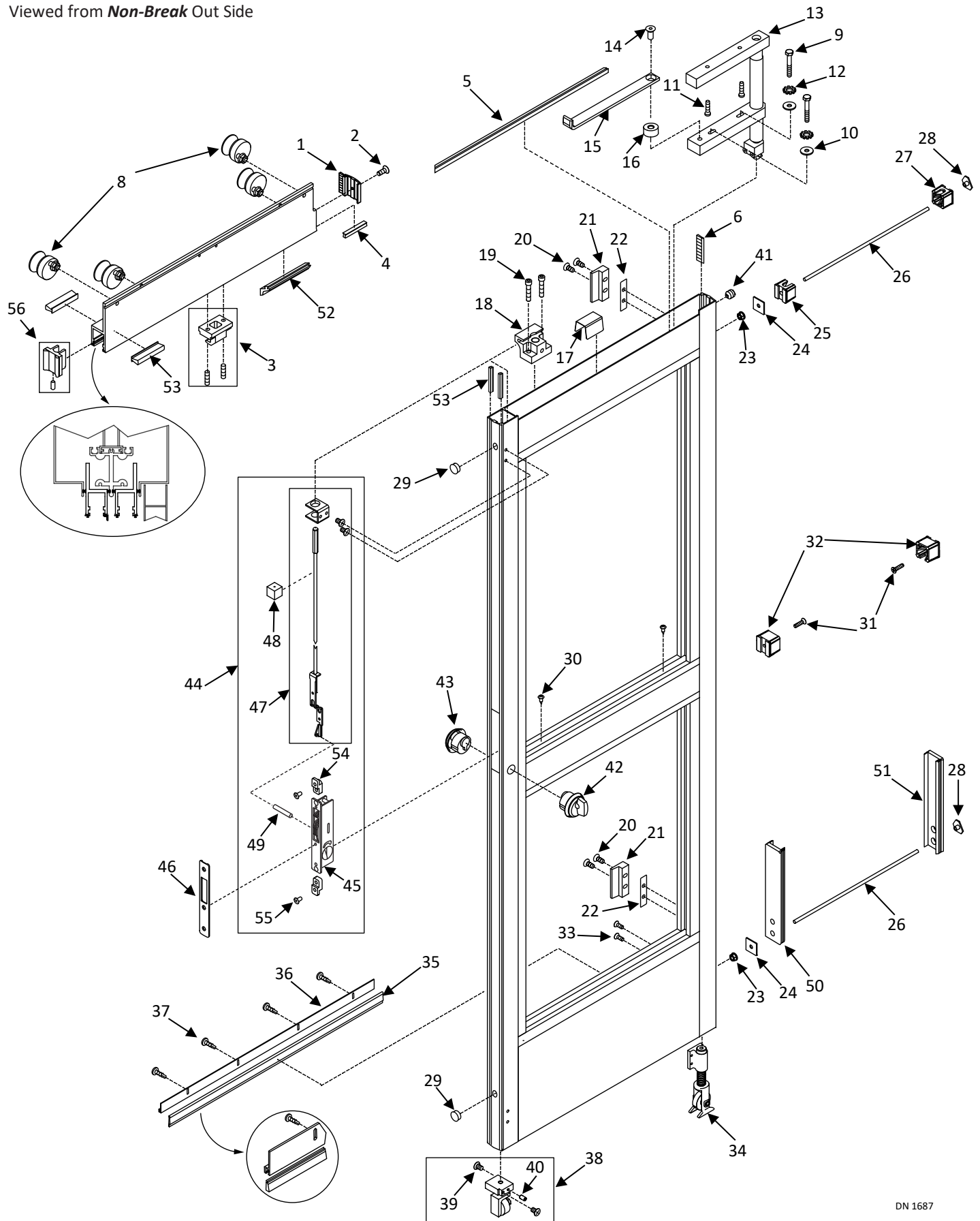
Item	Part	Finish/Sizes/Notes	Description
1	T-00176	Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,ZINC
	T-00183	Black Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,BLKZN
2	A-00071		PANIC CATCH, UPPER,ASM.
3	M-00690		WEATHER, PILE .2
4	M-60288	Clear	INTERFACE LEG,204,EXTRU
	M-70288	Dark Bronze	INTERFACE LEG,313,EXTRU
5	A-00415	Clear	END CAP W/ BRUSH,7/16x1-7/8,204
	A-70415	Dark Bronze	END CAP W/ BRUSH,7/16x1-7/8,313
6	A-00416		ROLLER HANGER,30mm
7	M-02074		BLOCK,END CAP,CARRIER
8	T-00028		HHCS,1/4-20x1.750L.,GR5,ZINC
9	T-00029		WASHER,.250 ID,.563 OD,.049 THK,ZINC
10	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC
11	A-00092	Narrow Stile	CARRIER,PIVOT,NARROW STILE
	A-00165	Medium Stile	CARRIER, PIVOT ASSY, MED STILE
	A-00168	Narrow Panel & Stile	CARRIER PIVOT ASM. NRW PANEL & STILE
	A-00172	Narrow Panel & Medium Stile	CARRIER,PIVOT,ASM.,NRW.PNL - MED.STILE
12	T-00014		SHCS,3/8-16x1.500L.,LOW HD.
13	T-00528		FHCS,7/16-14x1.500L., ZINC, W/NYLON PATCH
14	A-01167		LIMIT ARM,TELESCOPING SLIDER
15	M-02125		SPACER, LIMIT ARM
16	M-00653		BRACKET, LIMIT ARM SUPPORT
17	A-00069		PANIC CATCH, BOTTOM
18	T-00037		SHCS,1/4-20x1.250L.,ZINC
19	T-00018		FHCS,7/16-14x1.000L.,ZINC
20	M-00440		INTERLOCK, PLASTIC, 1175
21	M-00494		SHIM, INTERLOCK
22	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
23	M-00422		PLATE,TIE ROD
24	M-00461		CLIP,MUNTIN,.386 HOLE
25	M-00272		3/8-16 THREADED ROD
26	M-00460		CLIP,MUNTIN,.500 HOLE
27	M-00416		T-NUT, 3/8"-16, TIE ROD
28	T-00085		PLUG, DOME, .813 DIAMETER
29	T-00006		FHSMS,10x0.750L.,PHIL,ZINC
30	T-00061		FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
31	M-00462		CLIP,MUNTIN,.261 HOLE
32	T-00027		PHMS,10-32x0.500L.,PHIL,ZINC
33	A-00063		ROLLER GUIDE,BOTTOM,ASM.
34	M-00274		BRUSH, NYLON, 1" STEPPED
35	M-60278	Clear	HOLDER,WEATHERING BRUSH,204,EXTRU
	M-70278	Dark Bronze	HOLDER,WEATHERING BRUSH,313,EXTRU

Full Open Trail Door

Item	Part	Finish/Sizes/Notes	Description
36	T-00222	In Part Bag A-00408	PHSMS,6x0.500L.,PHIL,TEKS,ZINC
	T-00260	In Part Bag A-00408	PHSMS,6x0.500L. PHIL,TEKS BLK ZN
37	A-00198	Narrow Stile	NOSE CASTER ASSY, NAR
	A-00207	Medium Stile	NOSE CASTER ASSY, MED
38	T-00016	Zinc	FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,ZINC
	T-00108	Black Zinc	FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,BLK ZN
39	T-00105		SHSS,8-32x0.313L.,CUP PT.
40	T-00019		SHSS,5/16-24x0.313L.,CUP PT.
41	A-01253	For Optional 10" Rail only	CLIP, RAIL, 10,.391 HOLE
42	A-01254	For Optional 10" Rail only	CLIP, RAIL, 10,.500 HOLE
43	M-00688		PILE WEATHERING .45 TALL W/ ADHESIVE
44	M-00695		BRUSH, NYLON, .56 LX1.875L.

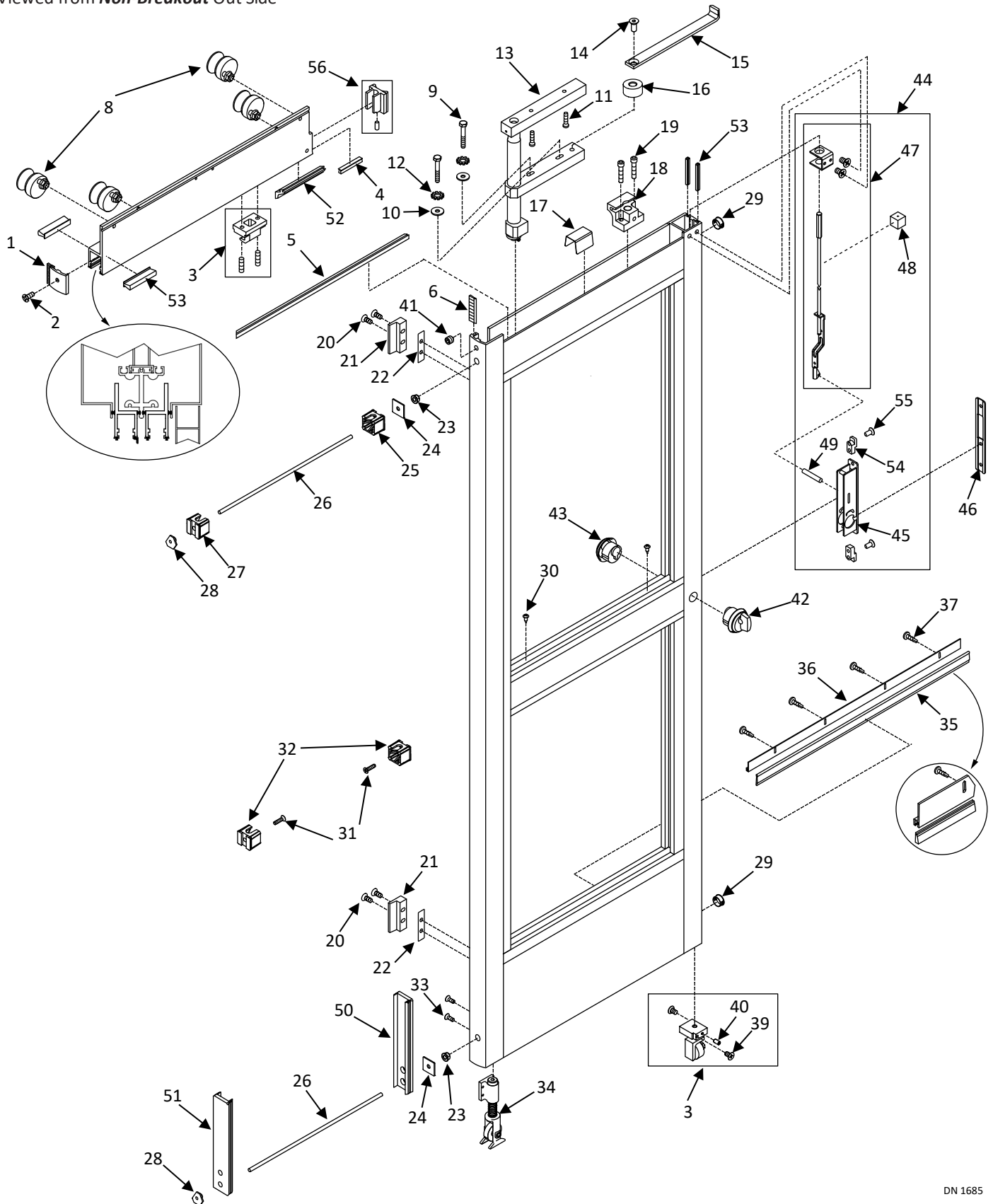
SERVICE PARTS: LEFT HAND FULL OPEN LEAD DOOR

Viewed from **Non-Break** Out Side



SERVICE PARTS: RIGHT HAND FULL OPEN LEAD DOOR

Viewed from **Non-Breakout** Out Side



DN 1685

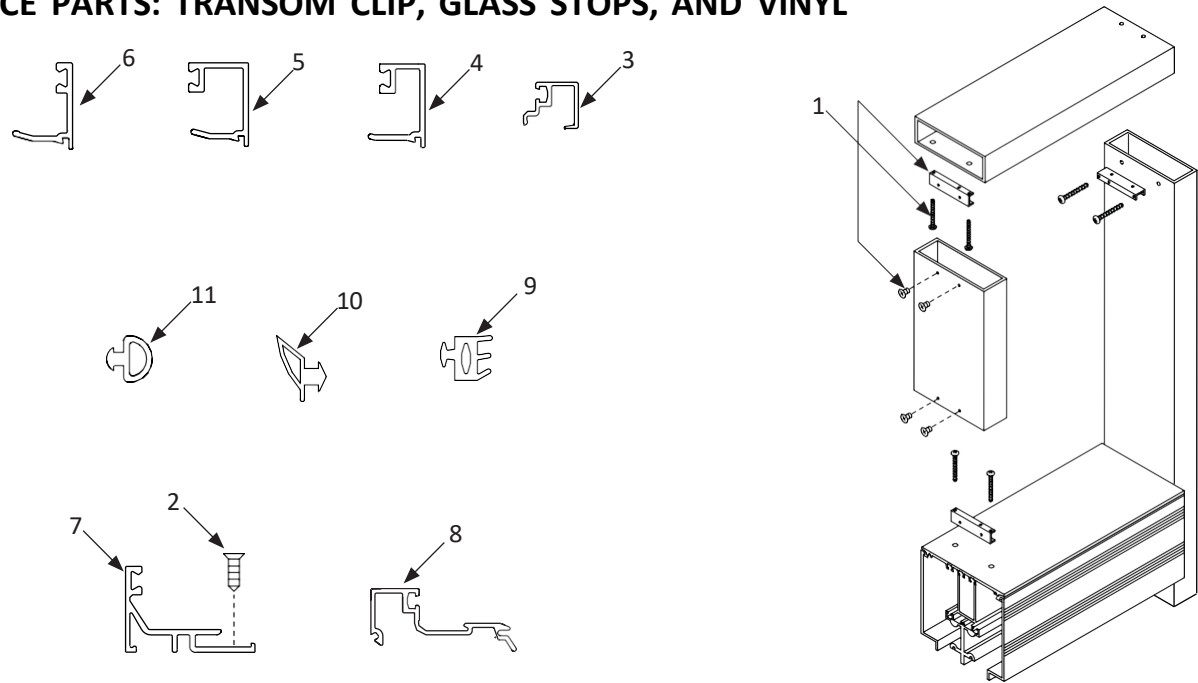
Full Open Lead Door

Item	Part	Finish/Sizes/Notes	Description
1	A-00412	Clear	END CAP W/ BRUSH,PIVOT END LEAD DOOR,204
	A-70412	Dark Bronze	END CAP W/ BRUSH,PIVOT END LEAD DOOR,313
2	T-00176	Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,ZINC
	T-00183	Black Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,BLKZN
3	A-00071		PANIC CATCH, UPPER,ASM.
4	M-00690		WEATHER, PILE .2
5	M-60288	Clear	INTERFACE LEG,204,EXTRU
	M-70288	Dark Bronze	INTERFACE LEG,313,EXTRU
6	M-00695		BRUSH, NYLON, .56 LX1.875L.
7	A-00301-10	Narrow Stile, 2"	ENDCAP,STRIKE END,2",F86 NARROW STILE
	A-00301-20	Medium Stile, 3"	ENDCAP, STRIKE END,3",F86 MEDIUM STILE
8	A-00416		ROLLER HANGER,30mm
9	T-00028		HHCS,1/4-20x1.750L.,GR5,ZINC
10	T-00029		WASHER,.250 ID,.563 OD,.049 THK,ZINC
11	T-00014		SHCS,3/8-16x1.500L.,LOW HD.
12	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC
13	A-00092	Narrow Stile	CARRIER,PIVOT,NARROW STILE
	A-00165	Medium Stile	CARRIER, PIVOT ASSY, MED STILE
	A-00168	Narrow Panel and Stile	CARRIER PIVOT ASM. NRW PANEL & STILE
	A-00172	Narrow Panel and Medium Stile	CARRIER,PIVOT,ASM.,NRW.PNL - MED.STILE
14	T-00528		FHCS,7/16-14x1.500L.,ZINC, W/NYLON PATCH
15	A-01167		LIMIT ARM,TELESCOPING SLIDER
16	M-02125		SPACER, LIMIT ARM
17	M-00653		BRACKET, LIMIT ARM SUPPORT
18	A-00069		PANIC CATCH, BOTTOM
19	T-00037		SHCS,1/4-20x1.250L.,ZINC
20	T-00018		FHCS,7/16-14x1.000L.,ZINC
21	M-00440		INTERLOCK, PLASTIC, 1175
22	M-00494		SHIM, INTERLOCK
23	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
24	M-00422		PLATE,TIE ROD
25	M-00461		CLIP,MUNTIN,.386 HOLE
26	M-00272		3/8-16 THREADED ROD
27	M-00460		CLIP,MUNTIN,.500 HOLE
28	M-00416		T-NUT, 3/8"-16, TIE ROD
29	T-00085		PLUG, DOME, .813 DIAMETER
30	T-00006		FHSMS,10x0.750L.,PHIL,ZINC
31	T-00061		FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
32	M-00462		CLIP,MUNTIN,.261 HOLE
33	T-00027		PHMS,10-32x0.500L.,PHIL.ZINC
34	A-00063	Narrow Stile	ROLLER GUIDE,BOTTOM,ASM.
	A-00692	Medium Stile	CASTED BOTTOM ROLLER GUIDE ASSEMBLY

Full Open Lead Door

Item	Part	Finish/Sizes/Notes	Description
35	M-00274		BRUSH, NYLON, 1" STEPPED
36	M-60278	Clear	HOLDER, WEATHERING BRUSH, 204, EXTRU
	M-70278	Dark Bronze	HOLDER, WEATHERING BRUSH, 313, EXTRU
37	T-00222	In Part Bag A-00408	PHSMS, 6x0.500L., PHIL, TEKS, ZINC
	T-00260	In Part Bag A-00408	PHSMS, 6x0.500L. PHIL, TEKS BLK ZN
38	A-00198	Narrow Stile	NOSE CASTER ASSY, NAR
	A-00207	Medium Stile	NOSE CASTER ASSY, MED
39	T-00016	Zinc	FHMS, 1/4-20x0.438L., PHIL, UNDERCUT, ZINC
	T-00108	Black Zinc	FHMS, 1/4-20x0.438L., PHIL, UNDERCUT, BLK ZN
40	T-00105		SHSS, 8-32x0.313L., CUP PT.
41	T-00019		SHSS, 5/16-24x0.313L., CUP PT.
42	V-00116	Thumbturn/Clear	CYLINDER, LOCK, THUMBTURN, 204
	V-70116	Thumbturn/Dark Bronze	CYLINDER, LOCK, THUMBTURN, 313
43	V-00123	Keyed/Clear	CYLINDER, LOCK, KEYED, 204
	V-70123	Keyed/Dark Bronze	CYLINDER, LOCK, KEYED, 313
44	A-00802		LOCK, W/ ROD, CRL - WITH GUIDE
45	V-00005		LOCK, MORTISE, HOOK, 31/32, ADAMS-RITE
46	V-00014	Clear	COVER, MS LOCK, W/ CUTOUT, 204
	V-70014	Dark Bronze	COVER, MS LOCK, W/ CUTOUT, 313
47	V-00094		LOCKROD, ADAMS-RITE #4015
48	M-00974		BLOCK, FOAM
49	T-00132		PIN, ROLL, 5/32D X 0.875L.
50	A-01253	For Optional 10" Rail only	CLIP, RAIL, 10, .391 HOLE
51	A-01254	For Optional 10" Rail only	CLIP, RAIL, 10, .500 HOLE
52	M-60288	Clear	INTERFACE LEG, 204, EXTRU
	M-70288	Dark Bronze	INTERFACE LEG, 313, EXTRU
53	M-00688		PILE WEATHERING .45 TALL W/ ADHESIVE
54	M-00471		BLOCK, MOUNTING, LOCK COVER, MS LOCK
55	T-00043		FHMS, 10-24x0.375L., PHIL, UNDERCUT, ZINC
56	A-00301-10	Narrow Stile	ENDCAP, STRIKE END, 2", F86 NARROW STILE
	A-00301-20	Medium Stile	ENDCAP, STRIKE END, 3", F86 MEDIUM STILE

SERVICE PARTS: TRANSOM CLIP, GLASS STOPS, AND VINYL



DN 1688

Transom, Glass Stops, and Vinyl

Item	Part	Finish/Sizes/Notes	Description
1	A-01440		KIT,CLIP,TRANSOM
2	T-00137		FHSMS,8x0.625L.,PHIL,TYPE A
To Ensure Proper Fit: Contact Customer Service Before Ordering TOP Glass Stop			
3	M-60255	Door/Clear	GLASS STOP, TOP, 1/2 TALL, 204, EXTRU
	M-70255	Door/Dark Bronze	GLASS STOP, TOP, 1/2 TALL, 313, EXTRU
4	M-60265	Transom/Clear	GLASS STOP, 1 TALL, SNAP IN, 204, EXTRU
	M-70265	Transom/Dark Bronze	GLASS STOP, 1" TALL, SNAP, 313, EXTRU
5	M-60333	Transom/Clear	GLASS STOP, TOP, 1" TALL, 204 ,EXTRU
	M-70333	Transom/Dark Bronze	GLASS STOP, TOP, 1" TALL, 313 ,EXTRU
6	M-60268	Transom/Clear	GLASS STOP, TOP, 1 TALL, 204, EXTRU
	M-70268	Transom/Dark Bronze	GLASS STOP, TOP, 1 TALL, 313, EXTRU
To Ensure Proper Fit: Contact Customer Service Before Ordering BOTTOM Glass Stop			
7	M-60266	Transom/Clear	GLASS STOP, SCREW DOWN, BASE, 204, EXTRU
	M-70266	Transom/Dark Bronze	GLASS STOP, SCREW DOWN, BASE, 313, EXTRU
8	M-60338	Door/Clear	GLASS STOP, BASE, SNAP IN, 204,, EXTRU
	M-70338	Door/Dark Bronze	GLASS STOP, BASE, SNAP IN, 313, EXTRU
To Ensure Proper Fit: Contact Customer Service Before Ordering Vinyl			
9	M-00263		VINYL GLASS STOP THREE PRONG
10	M-00284		VINYL GLASS STOP TEAR DROP
11	M-00339		VINYL, GLASS STOP

NOTES

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