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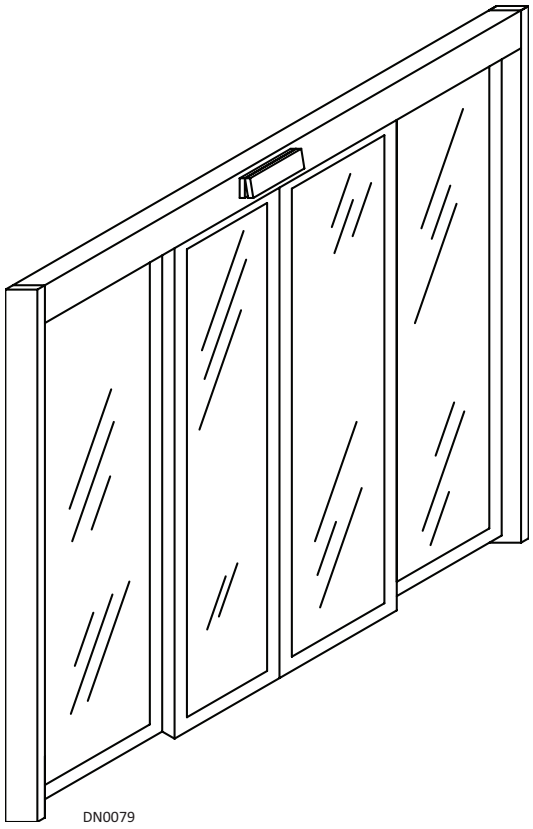
Model GT 1175
H105 Medium
Hurricane Slide Door System
****Dade County Approved****



WARNING

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

Part #15-14764
Rev. 6/10/14

Table of Contents

WARNING LABELS

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

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

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

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

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

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

GENERAL SAFETY RECOMMENDATIONS

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

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

Notice: **This manual and the owner's manual must be given to and retained by the purchasing facility or end user.**

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

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

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

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

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

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

Note: *All Adjustments must be made with a small screwdriver. Do Not use a pencil.*

Note: *Do Not take shortcuts.*

Notice: **Replacement labels and literature may be obtained from local NABCO Entrances, Inc. distributors. If the name of the local distributor is unknown, contact NABCO Entrances, Inc. at 1-877-622-2694 for assistance.**

CHAPTER 1: SCOPE

Section 1a: 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.

Instruct the building owners and operator on the essentials of the operation of the GT 1175 Whisper Slide Door System. 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 1b: Objective

In response to customers' special requirements, GT 1175 Whisper Slide Door System has been engineered to comply with the Miami-Dade County Hurricane High Impact Building Code.

This manual offers step by step instructions.

CHAPTER 2: GETTING STARTED

In response to customer's special requirements, the GT 1175 Hurricane Slide Door has been:

- Engineered to comply with the Miami-Dade County Hurricane High Impact Building Code.
- Tested to be Large Missile Impact Resistant and Cyclic Wind Pressure Resistant.

Standard features include a:

- Florida Product Approval (FPA) for High Velocity Hurricane Zone (HVHZ)
  - Tested Large Missile Impact Resistant
  - Tested Cyclic Wind Pressure Resistant
  - An optional AHCA (Agency for Health Care Administration) approved latch lever on Fixed Sidelite units providing egress with one hand motion.

Special Features:

- Wet glaze (silicone) to install Glass Stops. Used on Impact Hurricane Slide Doors.
- Dry glaze (wetting rubber gaskets with soap and water) to install Glass Stops. Used on Non-Impact Slide Doors.

Installed within:

- Opening of Building

Mechanical Configurations:

- Bi-Part: (2) Slide Doors that slide apart from the center with (2) Sidelite Panels.
- Single Slide: (1) Slide Door that slides to the right or left with (1) Sidelite Panel.

Extrusion Configurations:

- Pocketed Jamb Tubes

Emergency Egress:

- Full Open: Both the Slide door and Swing Sidelite breakout for emergency egress.
- Fixed Sidelite: Fixed Sidelite is secured to the Header and Jamb Tube. Only the Slide door breaks out for emergency egress.

Section 2a: Parts of the Header

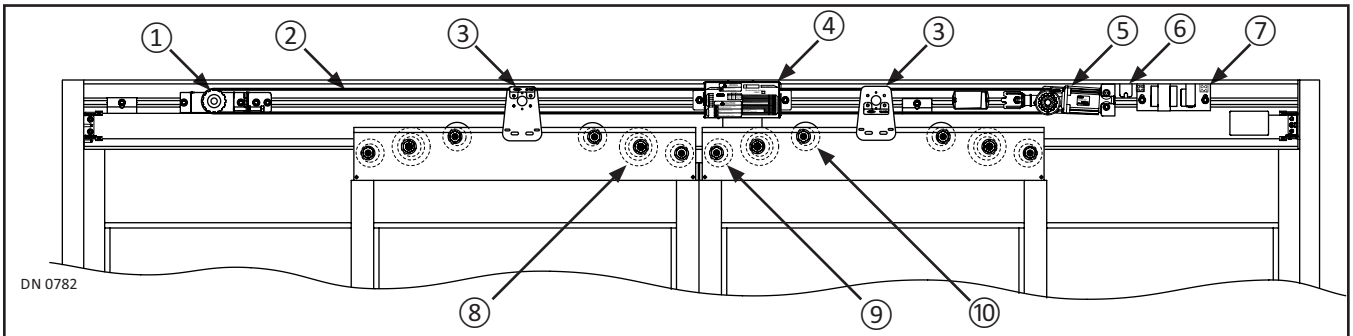


Figure 4-1 Contents of Header

1.	Idler Assembly	22-9210	6.	Handy Terminal Harness	12-13881
2.	Timing Belt 3/4" wide	14-0795	7.	DS 150/U30 Power Supply	14-11741
3.	Belt Clip Assembly	11-12805	8.	Hanger Roller	11-10733
4.	U30 Microprocessor Controller	24-8901-30	9.	Eccentric Carrier Retainer	21-14040
5.	DS 150 Operator	24-11327	10.	Hurricane Anti-Rise	21-14035

Section 2b: Specifications

Note: Electrical conduit and switch or sensor wires should be pulled through the frame before mounting the GT1175 System.

Note: To prevent electrical interference, always route 120 VAC Power from the end of the Header; opposite to the Controller and Motor/Operator. Refer to "Model GT 1175 Electrical Installation Manual** with U30 Microprocessor Controller**"; *P/N 15-10596-30 for details.*

Table 2-1 Electrical Specifications

Electricity	Description
Power Input	120 (±10%) AC 50-60Hz, 5 Amps
Available current for accessories	U Series Control 0.35 Amps 12 Volts DC
Available wire size for incoming power	14 AWG

Table 2-2 Required Tools

List of Materials	
► Box or Open End Wrench: 7/16", 9/16", 15/16"	► Slotted Screwdrivers: Small and Medium
► Tape Measure	► Hand Drill: Electric and Cordless
► Drive Socket Wrench: 3/8"	► Drill Bits: 82 degree countersink, 1/8", and 7/32"
► Socket; 3/8" and 9/16"	► Masonry Drill Bit: 1/4"
► Socket Extension	► Assorted Allen Wrenches
► Phillips Screwdrivers: #2 and #3	► Broom
► Chalk Line	► Level

Section 2c: U30 Microprocessor Control

For detailed information, the U30 Microprocessor Control has been designed to control numerous operating characteristics of the slide door system including speed, recycling sensitivity and reduced door opening width. It will need to be programmed after installation is complete. Please refer to the "U30 Microprocessor Control Setup and Programming Manual", P/N 15-9000-30.

Section 2d: Associated Manuals Part Numbers

- Model GT 1175 Electrical Installation Manual **with U30 Microprocessor Controller** P/N 15-10596-30
- U30 Microprocessor Control Setup and Programming Manual; P/N 15-9000-30

Section 2e: Header Layout

- Model GT 1175 Electrical Installation Manual P/N 15-10596-30

Section 2f: Wiring

- Model GT 1175 Electrical Installation Manual P/N 15-10596-30

Section 2g: Holding Beams

- Model GT 1175 Electrical Installation Manual P/N 15-10596-30

Section 2h: Electric Lock (Optional)

- Model GT 1175 Electrical Installation Manual P/N 15-10596-30

Section 2i: Troubleshooting

- Model GT 1175 Electrical Installation Manual **with U30 Microprocessor Controller** P/N 15-10596-30
- U30 Microprocessor Control Setup and Programming Manual P/N 15-9000-30

Section 2j: Service Parts Page

- 1175 Hurricane Slide Door Quick Setup Parts Guide P/N 15-12499-025

CHAPTER 3: ASSEMBLE FRAME

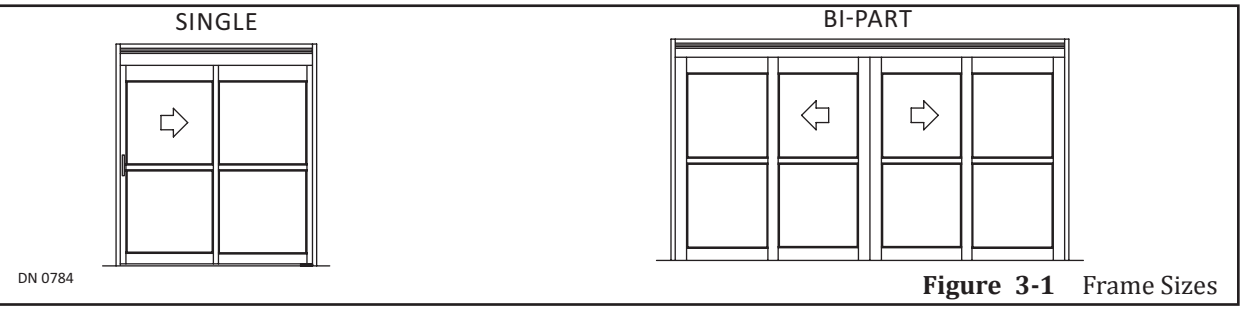


Figure 3-1 Frame Sizes

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

Before installing the Slide Door system it is recommended to ensure the Rough Opening is the 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 on each side

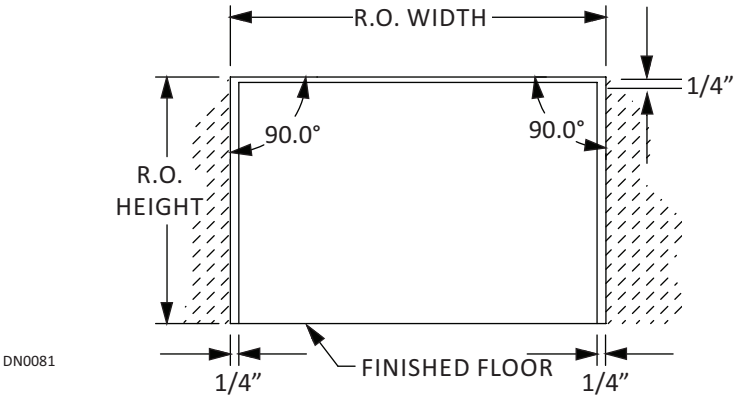


Figure 3-2 Masonry Opening

1. Place the Header on a flat surface with the removable cover facing up.
   a. Protect header from scratches.
2. Position Jamb tubes on either side of Header according to the instruction sticker located on each Jamb tube, that shows proper location and orientation. Please see Figure 3-3.
3. Orientate the Frame in relation to the building:
   - ► Fixed Sidelite:
     - Side of Header with the Removable Cover must face the Exterior side.
   - ► Full Open:
     - Side of Header with the Removable Cover must face the Interior side.

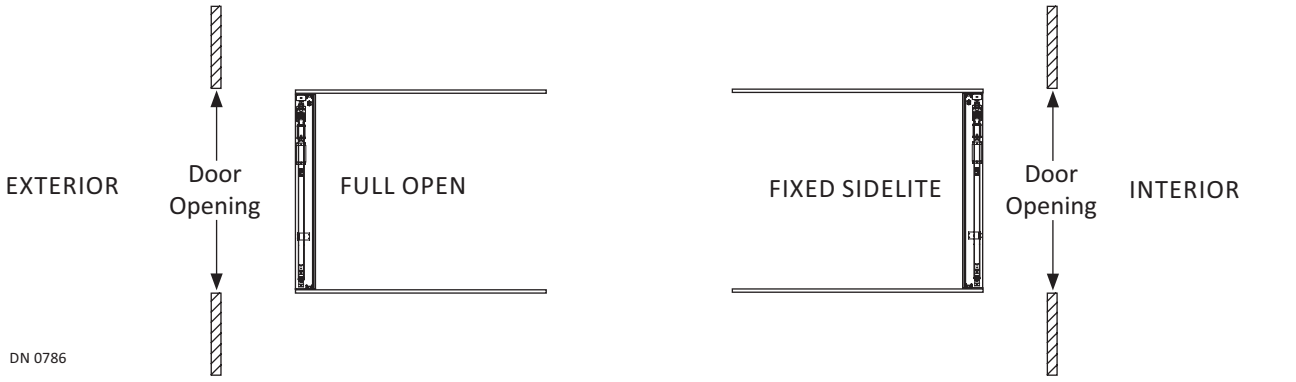


Figure 3-3 Assemble and Orientate Frame

4. Go to the bottom of Header, remove (2) #8-32 x 5/8" Phillips head screws used to secure the removable Cover. Save for reinstallation.

5. Remove the Cover by lifting it up and then pulling it out. Please see Figure 3-4.

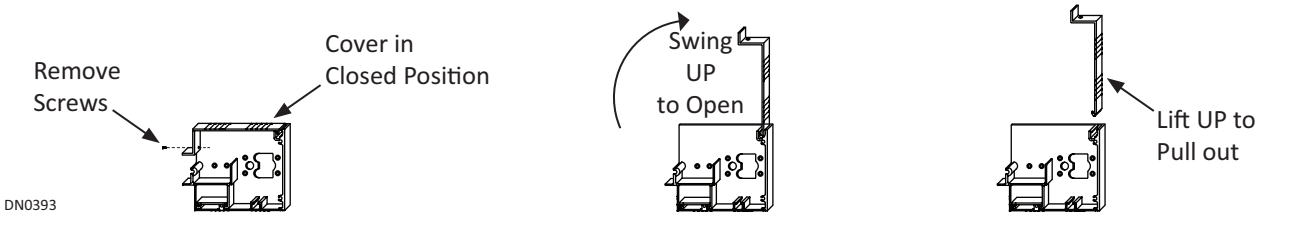


Figure 3-4 Remove Header Cover

6. Remove Parts boxes and/or Parts bags from inside Header. Set aside.

7. Remove 1/4-20 x 1 inch bolts and 1/4 inch Star Washers that were pre-screwed inside rivnuts located on each Jamb tube. Save for reinstallation.

8. Measure to ensure each side of Jamb Tube facing the floor is lifted 1/8 inch from the floor (once secured to Jamb Tube). Please see Figure 3-5.

9. Secure both sides of Header to Jamb Tubes with 1/4-20 x 1 inch bolts and 1/4 inch Star Washers saved for reinstallation.

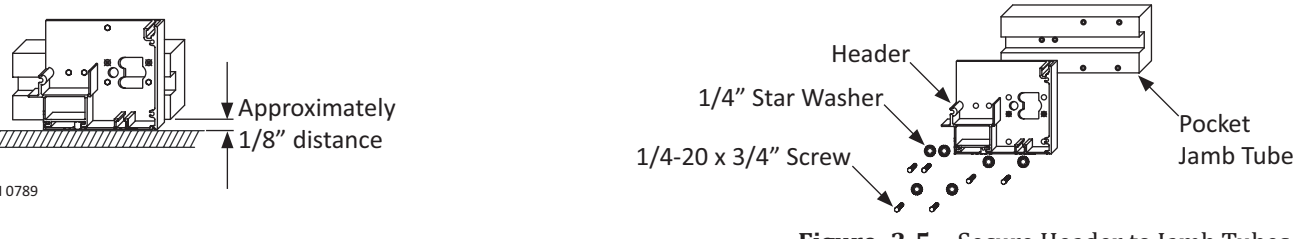


Figure 3-5 Secure Header to Jamb Tubes

CHAPTER 4: SECURE FRAME TO BUILDING

1. Lift to position the assembled Frame into the rough opening.
   a. Frame may have to be turned around before securing to rough opening.
2. Shim and Plumb Jamb tubes in both planes to ensure the rough opening allows a 1/4 inch clearance. Please see Figure 4-1.
3. Shim and Plumb Header at the top to ensure the rough opening allows a 1/4 inch clearance.

Figure 4-1 Shim and Plumb Frame

Section 4a: Anchor Frame to Building

- Anchors are not provided by NABCO.
- Anchors must be appropriate for the type of structure being fastened to.
- Screw in anchors to secure the Frame (per manufacturer's specifications).
- Ensure anchor heads do not come in contact wtih edges of glass to prevent breakage.
- It is recommended to countersink holes as required to flush the surface.
- It is recommended to drill tap threads for anchors in a steel or aluminum structure.

Table 4-1 Suggested Types of Anchors

	Anchor Type	Minimum Edge Distance
A	1/4 inch Tapcon by ITW with 1-3/4 inch minimum embedment into 3000 PSI Concrete	2-1/2 inch
A1	5/16 inch Tapcon by ITW with 1-3/4 inch minimum embedment into 3000 PSI Concrete	2-3/16 inch
B	1/4 inch Tapcon by ITW with 1-1/4 inch minimum embedment into Hollow Block	2-1/2 inch
C	1/4 inch Tapcon by ITW with 1-1/2 inch minimum embedment into PT WOOD (SG=0.55)	1 inch
C1	5/16 inch Tapcon (Fy=115 Ksi) by ITW with 1-1/2 inch minimum embedment into PT WOOD (SG=0.55)	1-1/4 inch
D	1/4-14 GR 5 Sheet Metal screws into 1/8 inch metal structures	1/2 inch
D1	5/16-18 GR 5 Sheet Metal screws into 1/8 inch metal structures	1 inch
▶ Minimum embedment are beyond wall dressing. ▶ Tapcons with flat, hex and/or pan heads can be used. ▶ Metal structures are ASTM A36 Steel or 6063-T6 Aluminum. ▶ Anchor Type D must have a minimum (3) threads embedment. ▶ Header & Jamb anchors are installed into a single row. ▶ Sill anchors are distributed into (2) in line rows.		

Table 4-2 Framing Sill Track Anchorage Capacity in PSF Function of Anchor Type and Number of Pair Clusters

Anchor Type and Number of Pair / Clusters			
FH inches*	**DM inches****	**2 Pair Clusters (Type A or C)**	**3 Pair Clusters (Type A or C)**
92	36	105	70
	39	97	65
	42	90	60
	45	84	56
	48	79	53
	54	70	47
96	36	101	67
	39	93	62
	42	87	58
	45	81	54
	48	76	51
	52	70	47
100	36	97	65
	39	90	60
	42	83	55
	45	78	52
	48	73	48
	49	70	47
104	36	93	62
	39	86	57
	42	80	53
	45	75	50
	48	70	47

* FH = Framing Header

** DM = Dimension

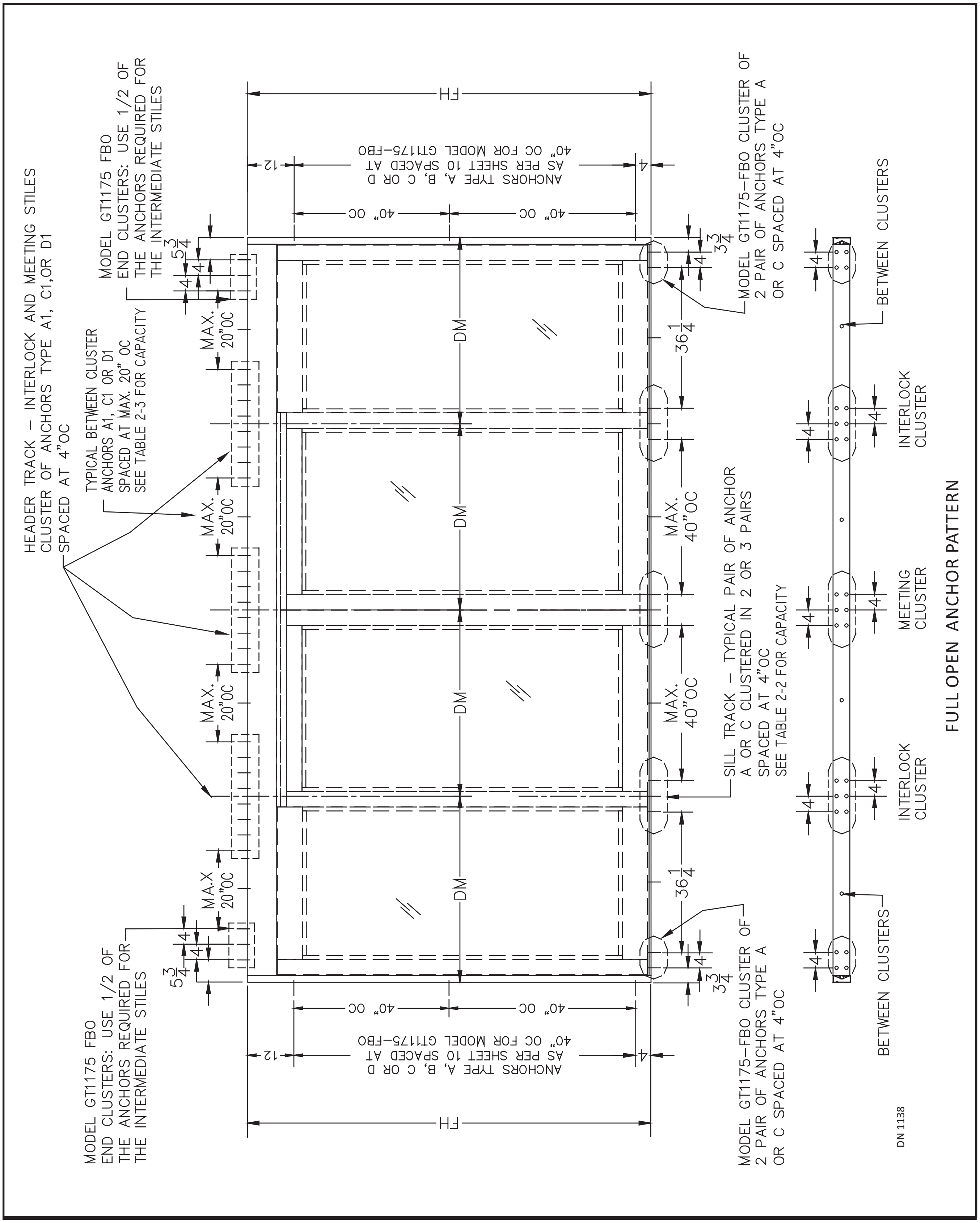
Table 4-3 Framing Header Track Anchorage Capacity in PSF Function of Anchor Type and Number of Clusters

Anchor Type and Number of Row / Clusters													
		Clusters (A1 Type)				Clusters (C1 Type)				Clusters (D1 Type)			
FH inches	DM inches	10	8	6	4	10	8	6	4	10	8	6	4
92	36	105	105	79	53	105	97	72	48	105	90	68	45
	39	97	97	73	49	97	89	67	45	97	83	62	42
	42	90	90	68	45	90	83	62	41	90	77	58	39
	45	84	84	63	42	84	77	58	39	84	72	54	36
	48	79	79	59	40	79	72	54	36	79	68	51	34
	54	70	70	53	35	70	64	48	32	70	60	45	30
96	36	101	101	76	51	101	93	69	46	101	87	65	43
	39	93	93	70	47	93	85	64	43	93	80	60	40
	42	87	87	65	43	87	79	59	40	87	74	56	37
	45	81	81	61	41	81	74	56	37	81	69	52	35
	48	76	76	57	38	76	69	52	35	76	65	49	32
	52	70	70	53	35	70	64	48	32	70	60	45	30
100	36	97	97	73	49	97	89	67	44	97	83	62	42
	39	90	90	67	45	90	82	61	41	90	77	57	38
	42	83	83	63	42	83	76	57	38	83	71	53	36
	45	78	78	58	39	78	71	53	36	78	66	50	33
	48	73	73	55	36	73	67	50	33	73	62	47	31
	49	70	70	53	35	70	64	48	32	70	60	45	30
104	36	93	93	70	47	93	85	64	43	93	80	60	40
	39	86	86	65	43	86	79	59	39	86	74	55	37
	42	80	80	60	40	80	73	55	37	80	68	51	34
	45	75	75	56	37	75	68	51	34	75	64	48	32
	48	70	70	53	35	70	64	48	32	70	60	45	30

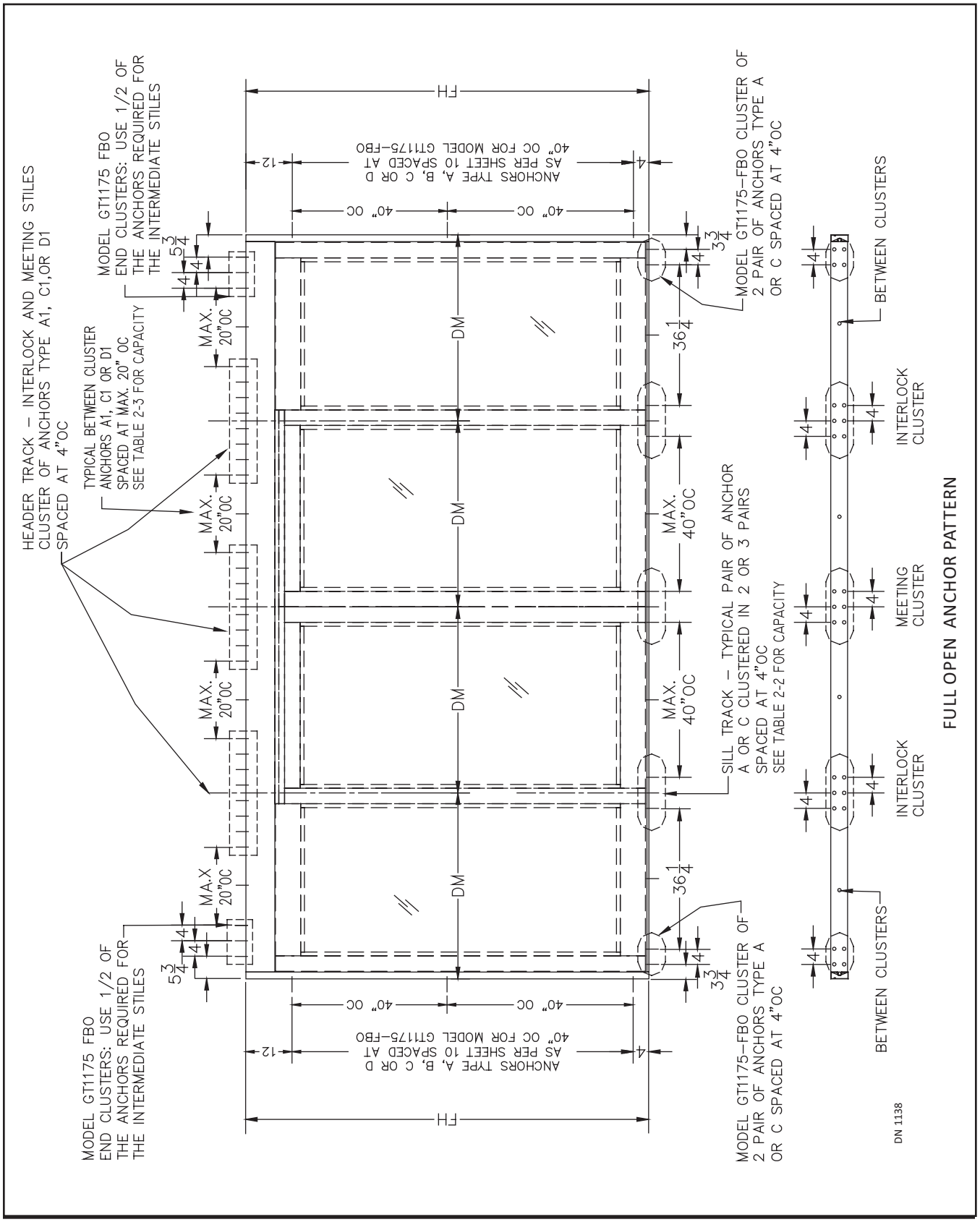
* FH = Framing Header

** DM = Dimension

4.a.a: Anchor Pattern for (H105 Medium) Full Open Hurricane Slide Doors



4.a.b: Anchor Pattern for (H105 Medium) Fixed Sidlelite Hurricane Slide Doors



CHAPTER 5: INSTALL THE THRESHOLD

Note: Floor tracks are factory cut to be the same width as the door opening. However, extending the floor track across the entire door opening is optional. To order additional track, please contact customer service at (877) 622-2694.

Floor Tracks for 1175 Hurricane Slide Door Systems can be installed two different ways:

- ► Surface
  - Installed on the surface of the floor with ramps attached to both sides.
- ► Recessed
  - Installed inside a channel that is 1/2 inch deep across the full length of the track.

Floor Tracks (not including Ramps) are the same width as the Jamb Tube for both types of Units.

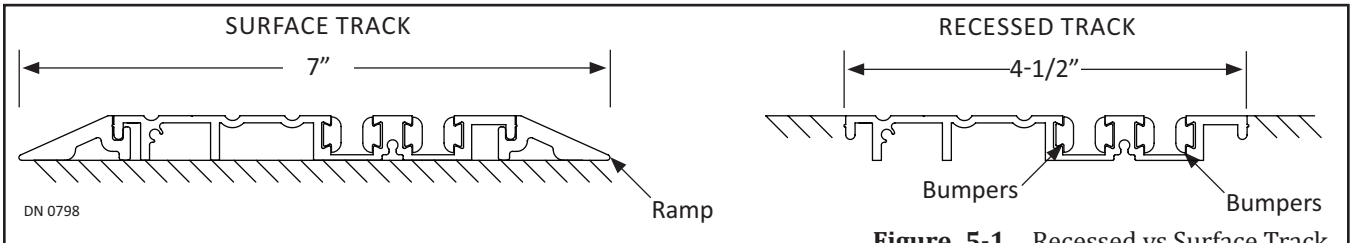


Figure 5-1 Recessed vs Surface Track

Section 5a: Surface Floor Track (Full Open)

FOR FIXED SIDELITE UNITS SKIP TO SECTION 5C

Note: Do Not permanently secure Floor Tracks until the Slide Door has been installed. Failure to do so may cause misalignment.

The Full Open Hurricane Slide Door system is shipped with (2) different Floor Tracks:

- ► With Channels
  - Installed under the Swing Sidelite.

Channels keep the Bottom Guide aligned and free from scratches as the Slide door opens/closes.

- ► Without Channels
  - Installed under the Slide Door.

1. Obtain both Floor Tracks that were cut to specification at the NABCO Factory.
2. On the Breakout side of opening, snap a chalk line on the floor from Jamb to Jamb. Please see Figure 5-2.

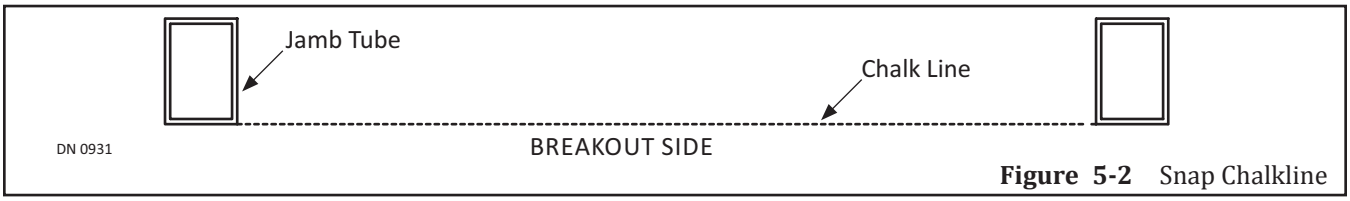


Figure 5-2 Snap Chalkline

3. Obtain the Floor Track with Channels.

4. Butt the edge of Floor Track (with Channels) against the inside face of the Pivot Jamb tube with (2) predrilled Screw holes facing the Breakout Side of Opening. Please see Figure 5-3.
5. Align the full length of Floor Track (with Channels) so it is flush with the chalk line.
6. Obtain the Floor Track without Channels that was cut to specifications at the NABCO Factory.
7. Position the Floor Track (without Channels) between the Floor Track (with Channels) and the Strike Jamb Tube.
8. Align the full length of Floor Track (without Channels) so it is flush with the chalk line.

Note: Do Not Secure Floor Track until both the Sidelite and Slide Door have been installed. Failure to do so may cause misalignment.

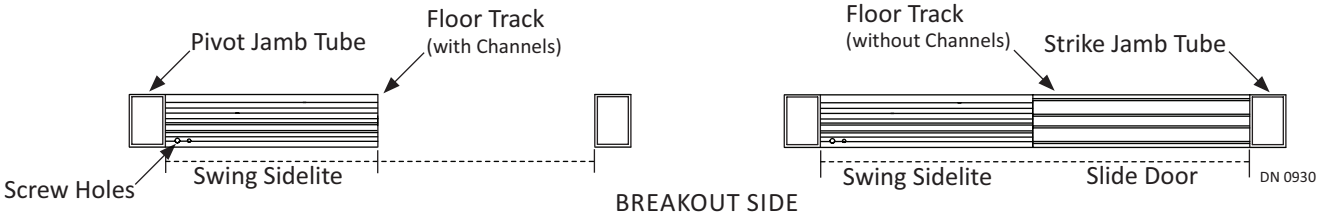


Figure 5-3 Floor Track Placement

9. Plumb the Floor Track by hanging a Plumb Bob from the Header. Please see Figure 5-4.

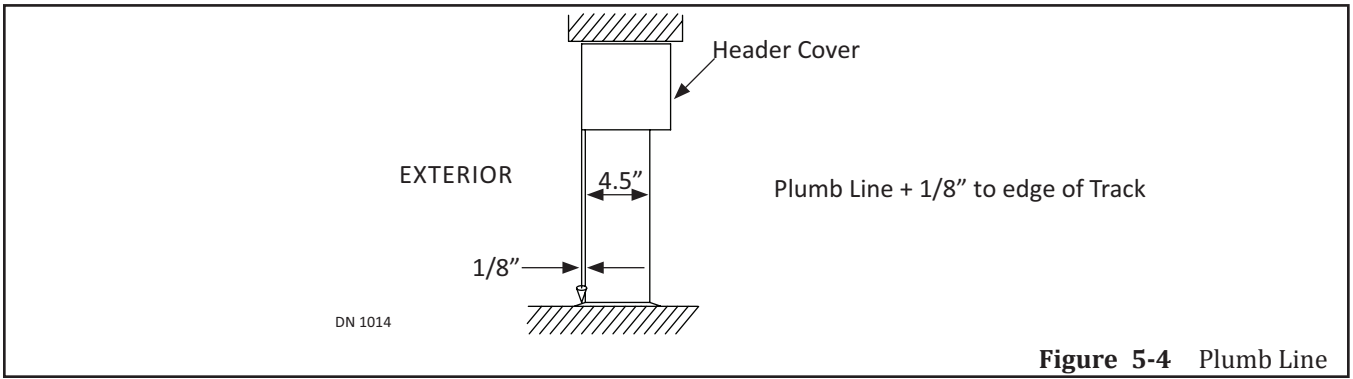


Figure 5-4 Plumb Line

Section 5b: Recessed Floor Track (Full Open)

FOR FIXED SIDELITE UNITS SKIP TO SECTION 5D

1. On the Breakout side of building, snap a chalk line on the floor from Jamb to Jamb.
2. Create a channel that is 1/2 inch deep, and 4-1/2 inches wide, and the full length between both Jamb Tubes. Please see Figure 5-5.

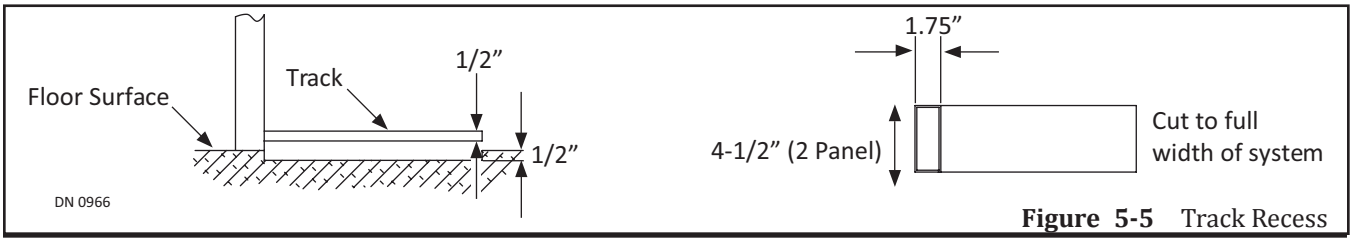


Figure 5-5 Track Recess

3. Obtain and then insert the Floor Track (without Channels) on the side of the Pivot Jamb tube. Please refer to Figure 5-3.
4. Obtain and then insert the Floor Track (with Channels) on the side of the Strike Jamb Tube.
5. Ensure there are no gaps between the Floor Tracks and the Jamb Tubes.

Section 5c: Surface Floor Track (Fixed Sidelite)

Note: Do Not permanently secure Floor Tracks until the Slide Door has been installed. Failure to do so may cause misalignment.

1. Obtain the Floor Track that was cut to specification at the NABCO Factory.
2. On the Non-Breakout side of opening, snap a chalk line on the floor from Jamb to Jamb. Please see Figure 5-6.

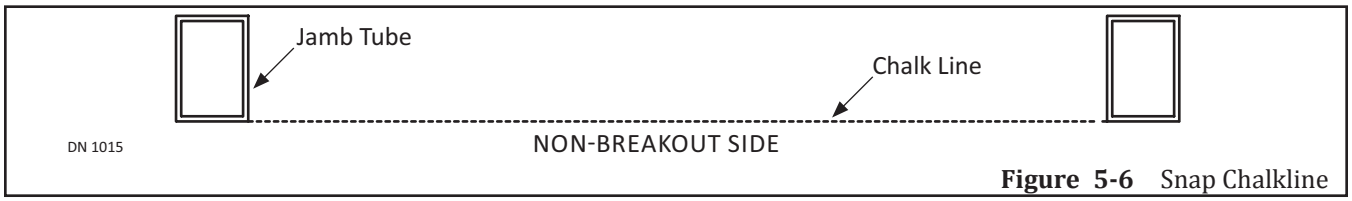


Figure 5-6 Snap Chalkline

3. Position the Floor Track between the Pivot Jamb tube and the Strike Jamb Tube. Please see Figure 5-7.
   a. (1) Aluminum Bar has been preinstalled underneath the Floor Track located in the middle. This Aluminum Bar is used to reinforce the Fixed Sidelite Bottom Bracket.
4. Align the full length of Floor Track so it is flush with the chalk line.

Note: Do Not Secure Floor Track until both the Sidelite and Slide Door have been installed. Failure to do so may cause misalignment.

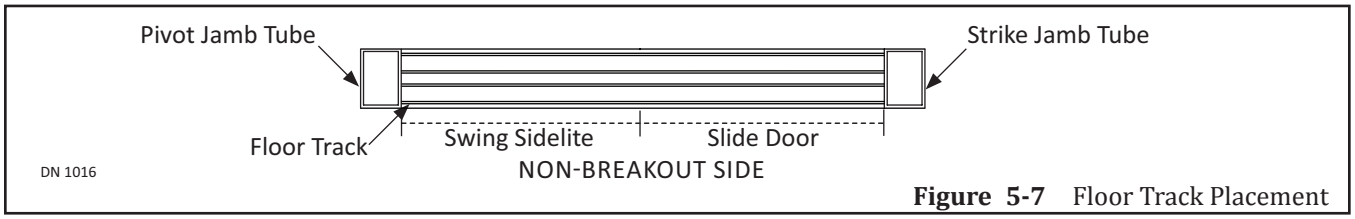


Figure 5-7 Floor Track Placement

5. Plumb the Floor Track by hanging a Plumb Bob from the Header. Please see Figure 5-8.

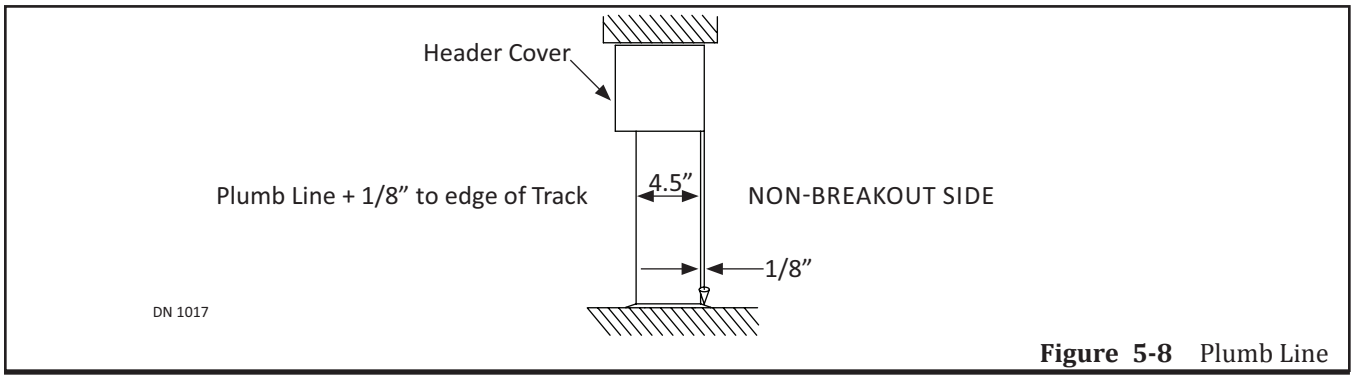


Figure 5-8 Plumb Line

Section 5d: Recessed Floor Track (Fixed Sidelite)

1. On the Non-Breakout side of building, snap a chalk line on the floor from Jamb to Jamb.
2. Create a channel that is 1/2 inch deep, and 4-1/2 inches wide, and the full length between both Jamb Tubes. Please see Figure 5-9.
3. Obtain and then insert the Floor Track into the Channel.

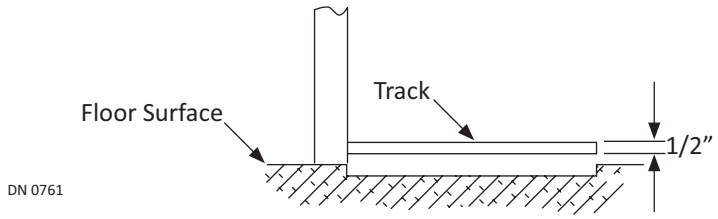


Figure 5-9 Track Recess

Section 5e: Secure the Floor Track

Note: Do Not Secure Floor Track until both the Sidelite and Slide Door have been installed. Failure to do so may cause misalignment.

1. Obtain screws and anchors per NOA Documentation.
   a. NABCO does not supply screws and anchors to secure the Floor Track.
   b. The number of screws and anchors depends upon length of Floor Track.

CHAPTER 6: INSTALL THE FIXED SIDELITE

The Fixed Sidelite Hurricane Slide Door System does not have full breakout capabilities. Only the Slide door can breakout.

Figure 6-1 Fixed Sidelite, No Breakout

Section 6a: Secure the Fixed Sidelite to the Pivot Jamb Tube and Header

1. Obtain (1) 1/4-20 x 1/2 inch Flat Head Screws provided by NABCO.
2. Go to the Strike Stile located on the Strike side of the Fixed Sidelite.
3. Locate the Cut Out at the Top. Please see Figure 6-2.
4. Locate (1) Mounting Bracket that was preinstalled under the Bottom Lip of Header.
5. Lift and then angle the Fixed Sidelite until the Mounting Bracket is seated inside the Cut Out.
   a. There is room inside the Strike Stile for the Mounting Bracket to move around within.
   b. Move the Fixed Sidelite forward so the Pivot Stile does not scrape up against the (3) Mounting Brackets that were preinstalled on the Pivot Jamb Tube.

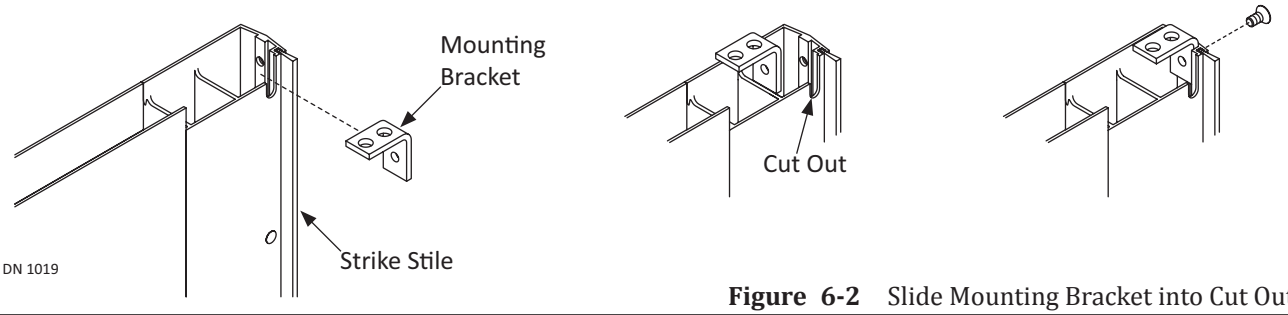


Figure 6-2 Slide Mounting Bracket into Cut Out

6. Locate (3) Cut Outs on the side of the Pivot Jamb Tube. Please see Figure 6-3.
7. Align and then slide the Fixed Sidelite until (3) Mounting Brackets are seated inside each Cut Out.
8. Continue to slide the Fixed Sidelite towards the Interior of the Building until both Mounting Brackets butt up against the inside wall of the Pivot Stile.
9. Align all (4) Mounting Bracket screw holes with the Pivot Stile screw holes and the Strike Stile screw hole.
10. Secure (3) Mounting Brackets located on the Pivot Jamb Tube to the Fixed Sidelite with (3) 1/4-20 x 7/16 inch Phillips Head screws.
11. Secure (1) Mounting Bracket located under the Bottom Lip of Header with (1) 1/4-20 x 1/2 inch Flat Head Screw.

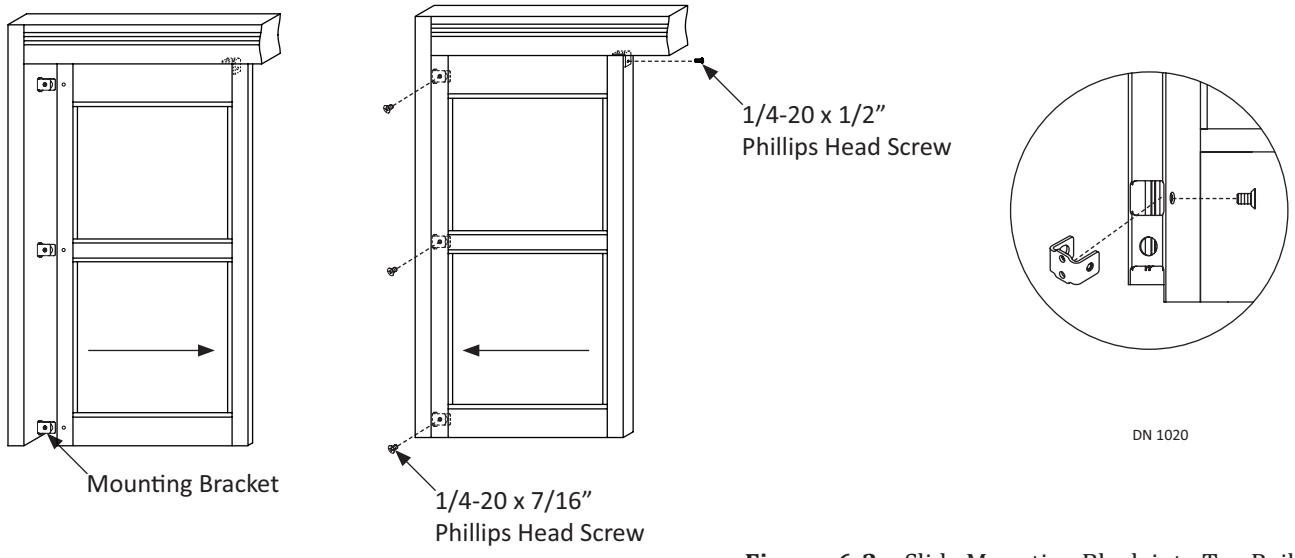


Figure 6-3 Slide Mounting Block into Top Rail

12. Snap a chalk line between Jamb tubes in front of Sidelite Panel. Please see Figure 6-4.
    a. If the Fixed Sidelite runs parallel to the chalk line it is square.

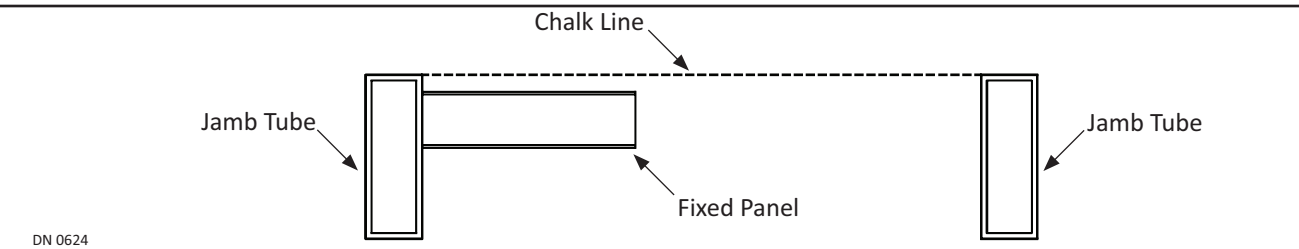


Figure 6-4 Square Fixed Sidelite

Section 6b: Install the Double Roller Assembly

1. Go to the bottom of Strike Stile.
2. Remove the Cover Plate and (2) pre-installed 1/4-20 x 5/8 inch Socket Head Screws. Please see Figure 6-5. Save for reinstallation.
    a. A Nut Plate is Preinstalled onto the back face of the Strike Plate directly behind where the Cover Plate is located. Do Not remove the Nut Plate.

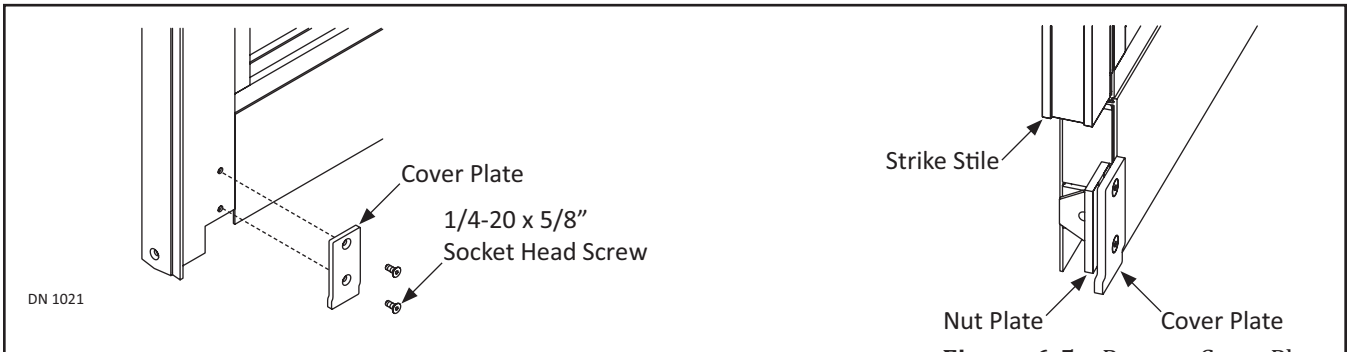


Figure 6-5 Remove Cover Plate

3. Obtain the Double Roller Assembly.
   a. For Bi-Part Slide doors a Left Hand and a Right Hand Double Roller Assembly will be provided. Be sure to select the Double Roller that corresponds to the right side or the left side of door.
4. Install the Double Roller by sliding (2) rollers into the Bottom rail so the bracket sticks out from underneath in direction of where the Slide door is to be installed. Please see Figure 6-6.
   a. Push rollers back into Bottom Rail so the Floor Bracket can be installed.
   b. Do not install Slide Door onto Bottom Guide Assembly at this time.

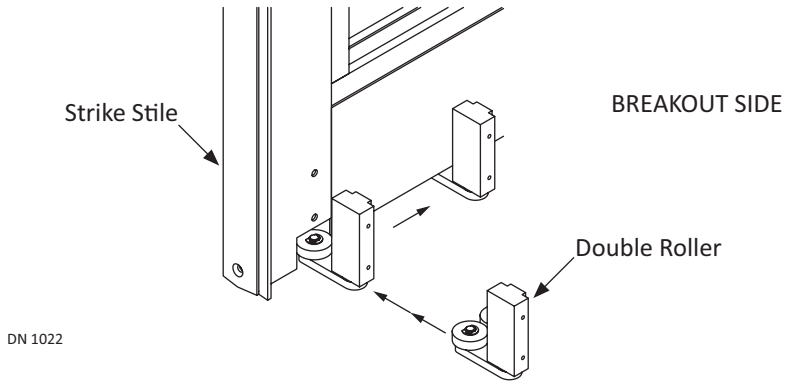


Figure 6-6 Slide Bottom Guide Assembly into Bottom Rail

Section 6c: Install the Floor Bracket

1. Obtain (1) Threshold Bracket, (3) #1/4-20 x 5/8 inch Socket Head screws.
2. Insert the Threshold Bracket into the Bottom Rail so the plate portion with (2) screw holes sticks out from underneath in direction of where the Slide door is to be installed. Please see Figure 6-7.
3. Ensure the Fixed Panel is still parallel to the chalk line so it remains square. Please see Figure 6-4.
4. Secure the Threshold Bracket to the Strike Stile with (1) 1/4-20 x 5/8 inch Socket Head screw.
5. Secure the Cover Plate back onto the Strike Stile with (2) 1/4-20 x 5/8 inch Socket Head screws.

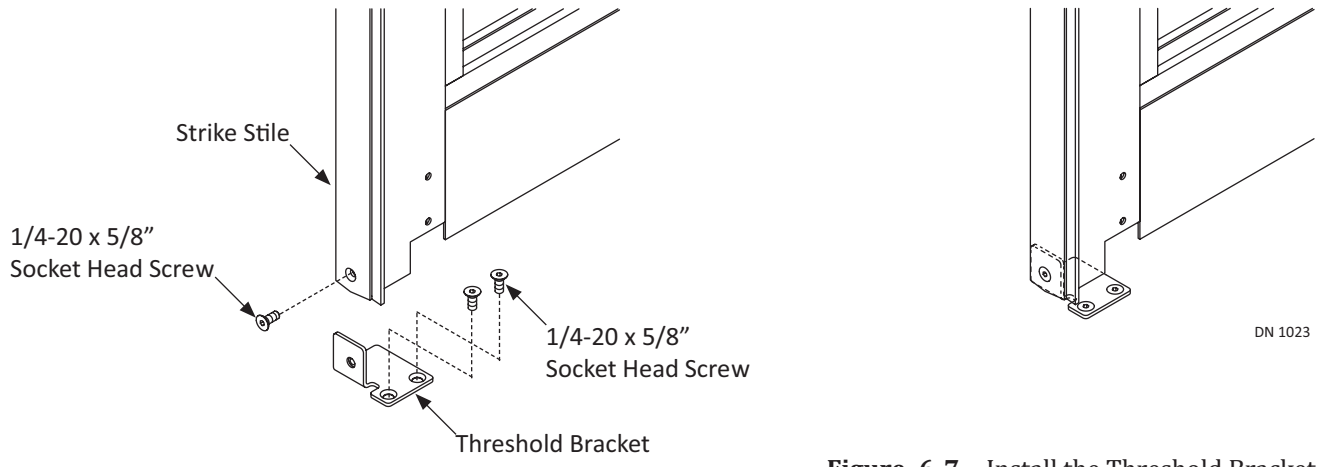


Figure 6-7 Install the Threshold Bracket

CHAPTER 7: INSTALL THE SWING SIDELITE

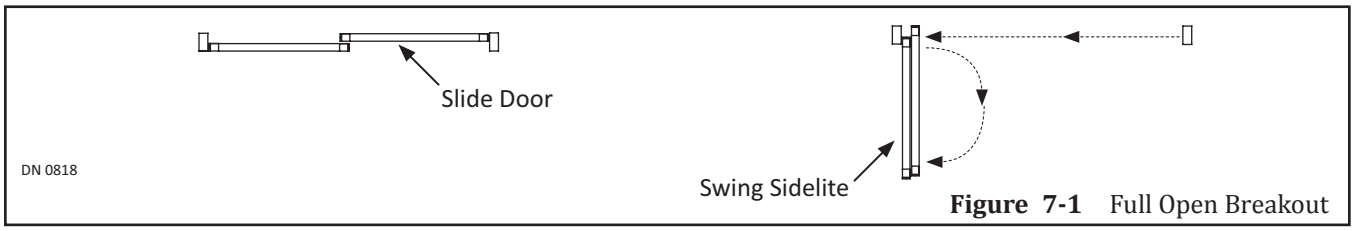


Figure 7-1 Full Open Breakout

Section 7a: Install the Bottom Pivot

1. Obtain (1) Floor Pivot, (1) 1/4-20 x 1 inch Phillips Head screw, (1) 1/4 X 2-3/4 inch Flathead Tap Con, and (1) Bushing.
2. Insert the Floor Pivot into the hole located at the bottom of the Pivot Jamb Tube. Please see Figure 7-2.
   a. The insertion end of the Floor Pivot is notched at both sides. It will be necessary to tilt the Floor Pivot to interlock the notched sides with the Jamb Tube.

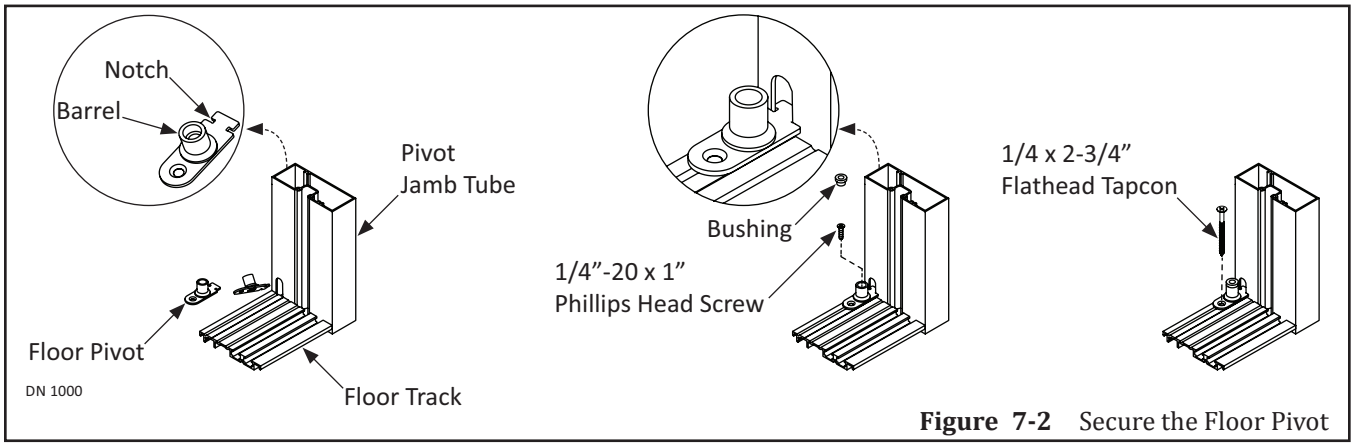


Figure 7-2 Secure the Floor Pivot

3. Insert (1) 1/4-20 x 1 inch Phillips Head screw into the Barrel of the Floor Pivot.
4. Secure the Floor Pivot to the Floor Track.
5. Cap the Barrel with (1) Bushing.
6. Go to the screw hole located in front of the Barrel.
7. With a 1/4 inch Masonry drill bit, drill through the track at least 2-3/4 inches.
8. Secure the Floor Pivot to the Floor with (1) 1/4 X 2-3/4 inch Flathead Tapcon.

Section 7b: Install the Limit Arm

1. Obtain (1) Limit Arm, (1) Washer, and (1) 1/4-20 x 1 inch Phillips Head screw.
2. Flip the Limit Arm so the Roller Guide is facing down, towards the Top Rail of Swing Sidelite. Please see Figure 7-3.

3. Insert (1) 1/4-20 x 1 inch Phillips Head screw through the bottom of the Limit Arm (so the pointed end is facing up towards the Header).
4. Slide (1) Washer onto the exposed end of the 1/4-20 x 1 inch Phillips Head screw.
5. Go to the pre-drilled screw hole located at the bottom of Header (approximately 6 inches from the Pivot end).
6. Insert the 1/4-20 x 1 inch Phillips Head screw into the screw hole. Loosely tighten (just enough to keep the assembly from falling out of the screw hole).
   a. Limit Arm installation is completed after the Swing Sidelite is attached to both Pivots.

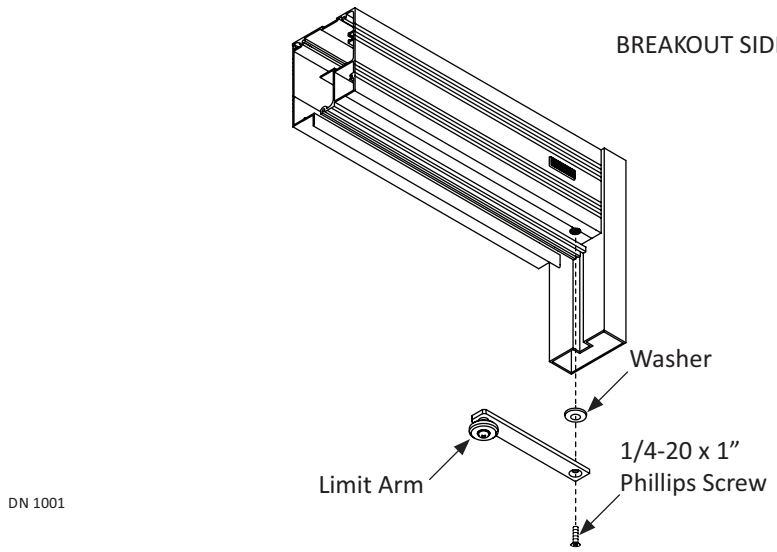


Figure 7-3 Install the Limit Arm

Section 7c: Attach the Swing Sidelite to Pivots

1. Go underneath the Pivot Stile. Locate the Bottom Pivot.
2. Insert the Bottom Pivot into the Floor Pivot Barrel. Please see Figure 7-4.

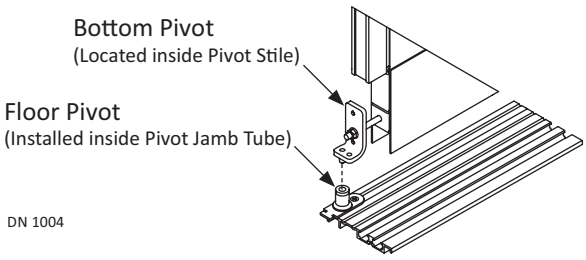


Figure 7-4 Insert Bottom Pivot into Floor Pivot Barrel

3. Go to the Top of the Pivot Stile. Locate the Top Pivot. Please see Figure 7-5.
4. Push the Top Pivot down by pressing on the Spring Pin.
5. Align the Top Pivot with the Pivot Hole located at the bottom of Header.

6. Release the Spring Pin to allow the Top Pivot to snap up into the hole.
   a. Ensure the Top Pivot fully engages the hole.
   b. If necessary, use a flathead screwdriver to lift up on the Spring pin until the Pivot Pin is fully seated in the hole.
   c. Ensure not to pinch Cable Wiring.

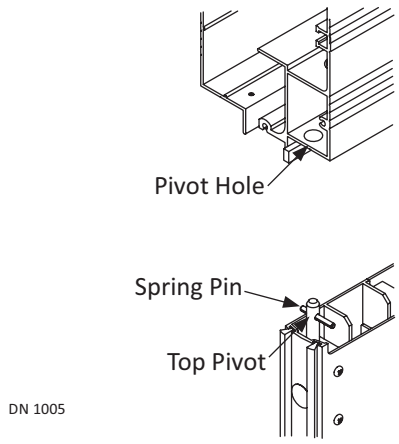


Figure 7-5 Insert Top Pivot into Header

Section 7d: Complete Installation of the Limit Arm

1. Open the Swing Sidelite out to 90 degrees.
2. Align the Limit Arm with the Top Rail.
3. Rest the Wheel of the Limit Arm inside the Top Rail.
4. Open the Swing Sidelite all the way.
5. Tighten the (1) 1/4-20 x 1 inch Phillips Head screw. Do not overtighten.
6. Test the Swing Sidelite to ensure it opens and closes properly.
   a. Tighten and/or untighten the (1) 1/4-20 x 1 inch Phillips Head screw as necessary.

CHAPTER 8: INSTALL THE SLIDE DOOR

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

Section 8a: Lift Carrier onto Track

1. Cover the Sidelite Panel with cardboard on the Non-Breakout side.
2. Go to the top of the Slide door to locate the Carrier. Please see Figure 8-1.

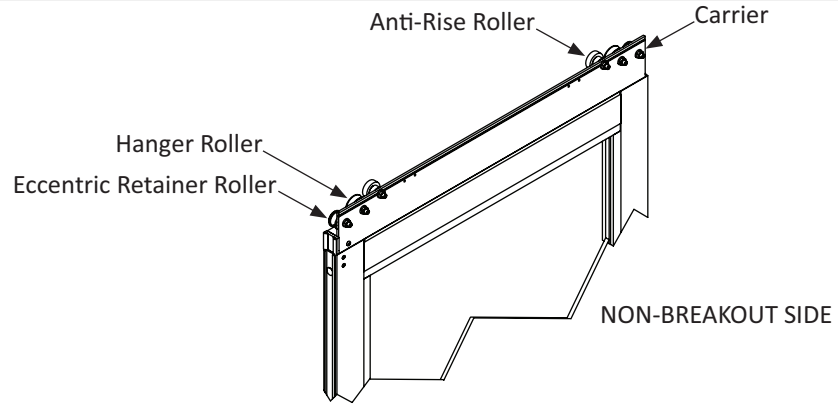


Figure 8-1 Carrier with Rollers

3. Loosen (1) Nut on each Roller by inserting (1) 7/32" Allen wrench into the exposed end of a Roller Axle. Hold the 7/32" Allen wrench in place to keep the Roller Axle stationary. At the same time, loosen (1) 7/16-20 Whizlock nut with a 15/16" Open End Wrench. Please refer to Figure 8-6.
4. Slightly tilt the Slide door to make it easier for the (6) Carrier Rollers to 'catch' onto the track. Please see Figure 8-2.
5. With Slide door tilted install the Carrier onto the Track.

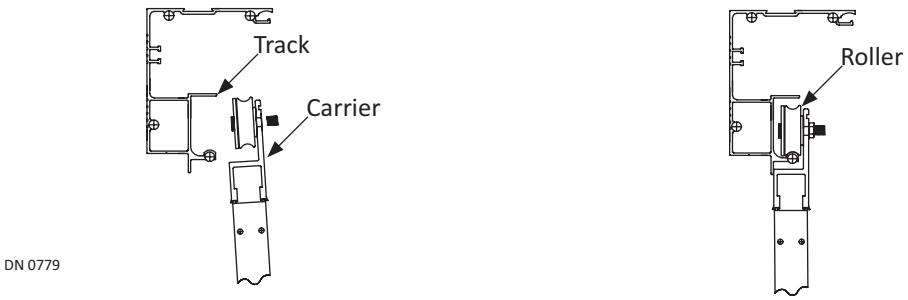


Figure 8-2 Install Carrier onto Track

Section 8b: Secure Belt Clip to Carrier

1. Go to the Strike Side of Carrier.
2. Line up (2) screw holes located on the Carrier with (2) screw holes located at the bottom of the Belt Clip bracket. Please see Figure 8-3.

3. Secure the Belt Clip to the Carrier with (2) 1/4-20 x 3/4 inch Tri-Lobe Head screws provided by NABCO.

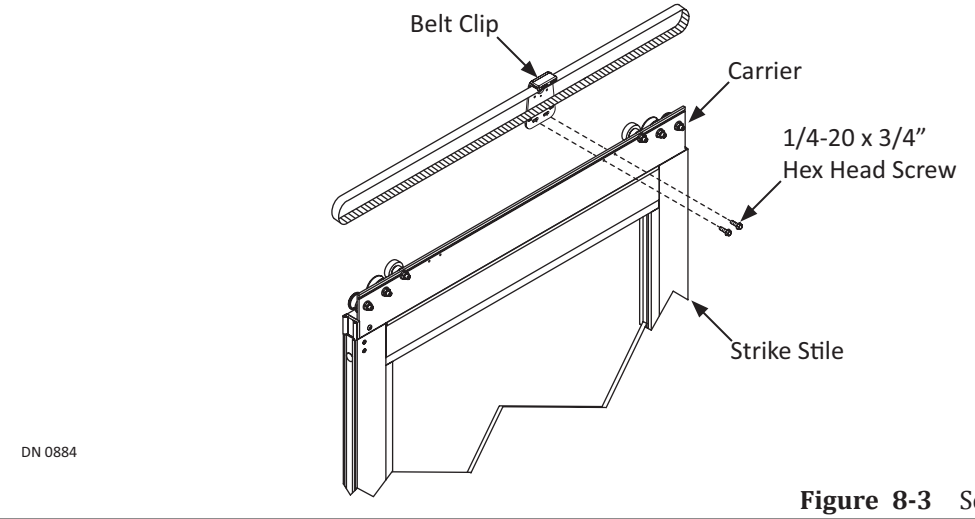


Figure 8-3 Secure Belt Clip to Carrier

Section 8c: Install the Bottom Guide Assembly (No Floor Track)

FOR UNITS WITH THRESHOLD SKIP TO SECTION 8D

1. Go to Bottom Rail of Fixed Sidelite. Locate the Double Roller Assembly previously installed. The Bracket will be sticking out from underneath. Please see Figure 8-4.

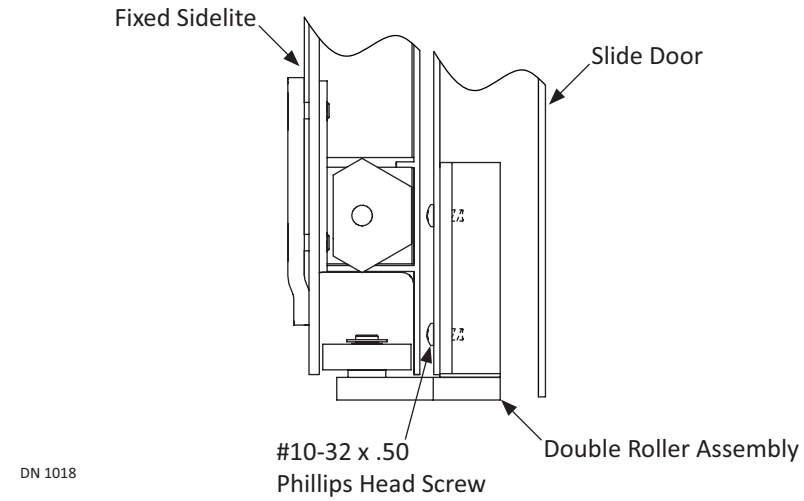


Figure 8-4 Install Sliding door to Double Roller Assembly

2. Slide the door onto the Bracket portion of the Double Roller Assembly.
3. Breakout the Slide door to Full Open position.
   a. Support the weight of the Slide door.
4. Line up Bracket screw holes to the (2) pre-drilled screw holes located on Bottom Rail.
5. Secure Bracket to the Bottom Rail with (2) #10-31 x .50 Phillips Head screws.

Section 8d: Install the Bottom Guide Assembly (With Floor Track)

FOR UNITS WITHOUT THRESHOLD SKIP TO SECTION 8E

1. Go to Bottom Rail of the Slide door.
2. Locate the Bottom Guide Assembly that was preinstalled inside the Strike Stile.
3. Lift up the Prongs until the Bottom Guide is directly above the Guide Channels.
4. Allow the Prongs to drop down into the Guide Channels. Please see Figure 8-5.
5. Obtain screws and anchors per NOA Documentation.
   a. NABCO does not supply screws and anchors to secure the Floor Track.
   b. The number of screws and anchors depends upon length of Floor Track.

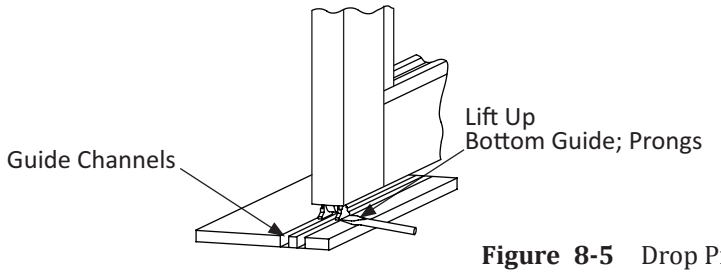


Figure 8-5 Drop Prongs into Channel Guides

Section 8e: Adjust Rollers on Carrier

CAUTION **Do Not rotate the Roller Axle counter-clockwise. Doing so will unthread the Axle from the Roller assembly.**

1. To loosen a Roller, insert a 7/32" Allen wrench into the exposed end of a Roller Axle. Please see Figure 8-6.
2. Hold the 7/32" Allen wrench in place to keep the Roller Axle stationary. At the same time, loosen (1) 7/16-20 Whizlock nut with a 15/16" Open End Wrench.

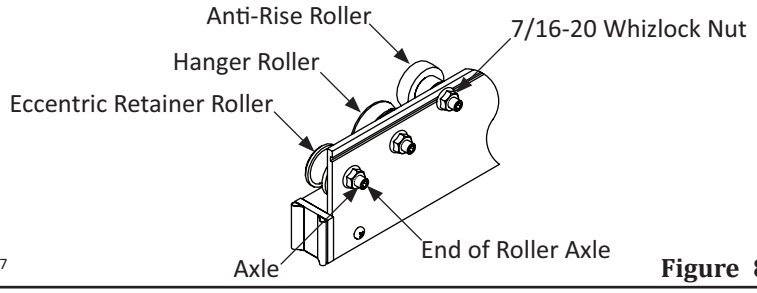


Figure 8-6 Loosen Carrier Rollers

8.e.a: Hanger Rollers

Hanger Rollers are used to:

- ► Evenly distribute weight of the Slide door.
- ► Adjust height of the Slide door.
- ► Adjust the Leading edge of the Slide door at the top and bottom so it is parallel to another Slide Door (Bi-Part), or the Strike Jamb Tube (Single), and the Header.

1. Loosen (2) Hanger Rollers located between the Anti-Rise Roller and the Eccentric Carrier Roller. Please see Figure 8-6.
2. Raise or lower the Slide door by turning the Axle clockwise with a 15/16" Open End Wrench. Please see Figure 8-7.
   a. The appropriate gap between the Bottom Rail and floor is between 11/16 inch to 15/16 inch; with the nominal gap being 7/8 inch.
3. Ensure the Leading Edge of the Slide door and (other Slide door or Jamb Tube) are parallel.
4. Ensure the Leading Edge of the Slide door and Header are parallel.
5. Retighten the 7/16-20 Whizlock nuts. Do not overtighten.

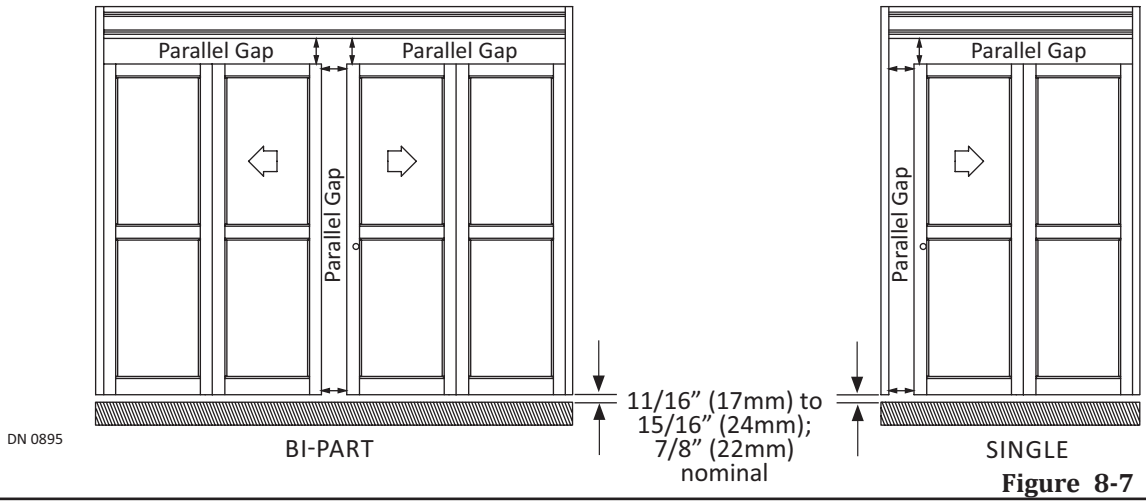


Figure 8-7 Floor Gap

8.e.b: Anti-Rise Rollers

CAUTION **Ensure (1) Anti-Rise Bracket is aligned directly above each Anti-Rise Roller.**

1. Fully close Slide Door. Ensure each Anti-Rise Bracket is aligned directly above each Anti-Rise Roller. If not, go to the Anti-Rise Bracket and loosen (1) 3/8-16 Whizlock Nut with a 9/16 inch wrench.
2. Slide the Anti-Rise Bracket to the left or right. Retighten screws. Do not overtighten. Please see Figure 8-8.

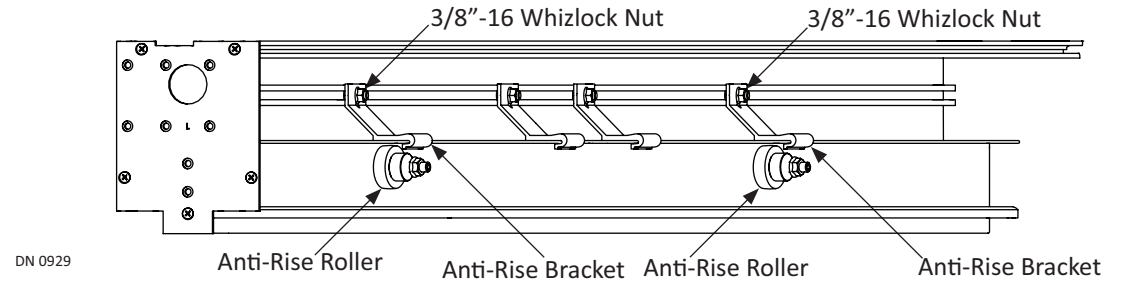


Figure 8-8 Align Anti-Rise Brackets to Anti-Rise Rollers

3. Loosen (2) Anti-Rise Rollers located towards the middle of the Carrier. Please refer to Subsection 8.e.a.

4. Turn the Axle clockwise until there is a 1/64 inch to 1/32 inch gap between the Roller Wheel and the Top Track. Please see Figure 8-9.
   a. Gap should be about the same thickness of a credit card.
5. Retighten the 7/16-20 Whizlock nuts. Do not overtighten.

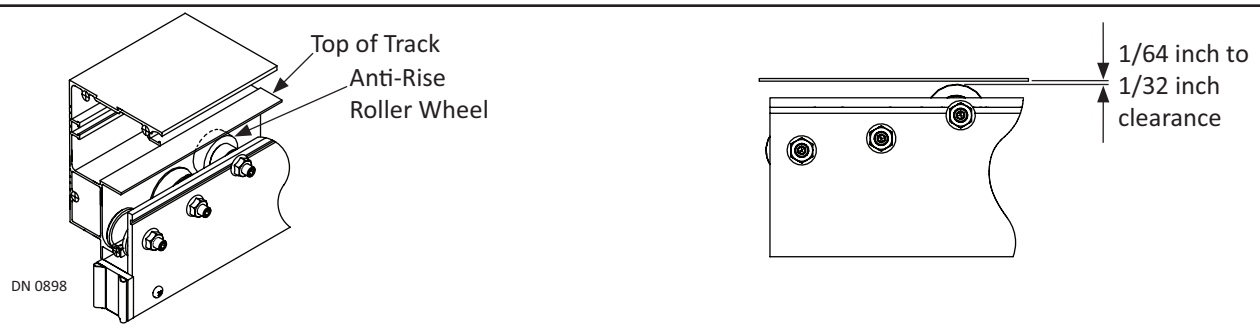


Figure 8-9 Anti-Rise Roller Wheel and Top Track Clearance

8.e.c: Eccentric Retainer Rollers

1. Loosen (2) Eccentric Retainer Rollers located at the edge of Carrier. Please refer to Subsection 8.e.a.
2. Turn the Axle clockwise until there is a 1/64 inch to 1/32 inch gap between the Roller Wheel and the Bottom Track. Please see Figure 8-10.
   a. Gap should be about the same thickness of a credit card.

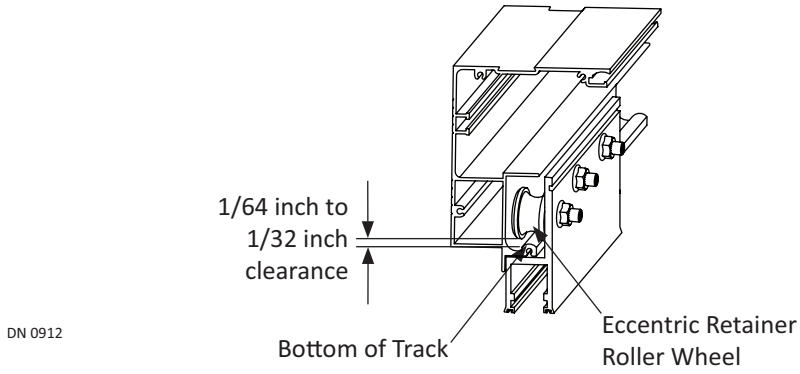


Figure 8-10 Eccentric Retainer Roller Wheel and Bottom of Track Clearance

Section 8f: Adjust the Interlock

1. Manually close the Slide Door. Please see Figure 8-11.
2. Ensure there is approximately 1/8 inch gap between the male Interlock and the Female Interlock.
   a. The Slide door will not operate properly if the gap is less than 1/8 inch.
3. Loosen mounting screws to adjust one or both Interlocks.
4. Retighten Mounting screws once gap is appropriate width.

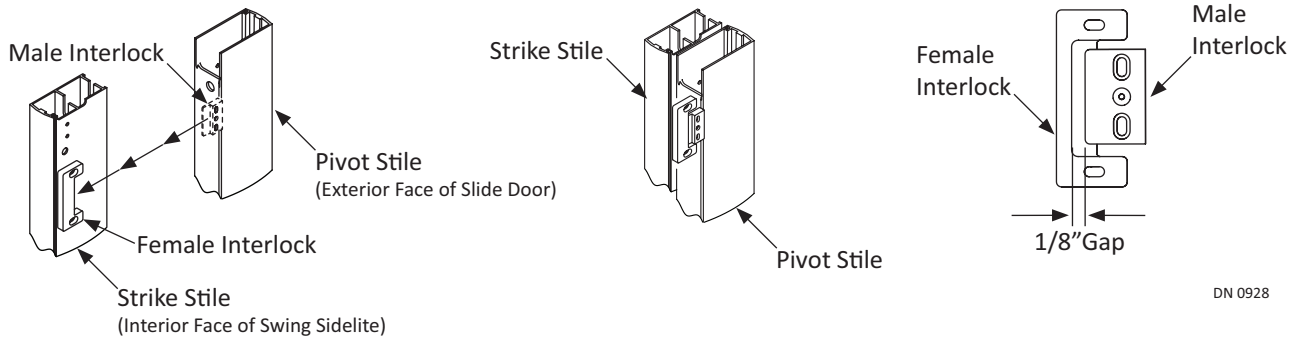


Figure 8-11 Adjust Interlock

Section 8g: Adjust the Preload

Note: Glass must be installed first before adjusting the Preload on Slide Door.

1. Support the weight of Slide Door. Then Breakout approximately 5 degrees.
   a. Just enough to expose the Preload Adjustment Screw located on back edge of door.
   b. Fixed sidelite must not come into contact with other doors.
2. Check for door sag. Please see Figure 8-12.

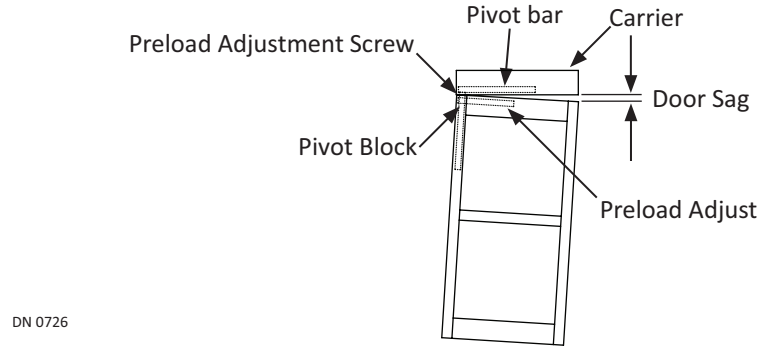


Figure 8-12 Check Door Sag

3. Go to the Preload Block located inside Top Rail. Please see Figure 8-13.
4. Loosen (2) Locking Bolts.
5. Go to the back edge of Pivot Stile. Reduce Door sag by tightening the 5/16 inch Adjustment Set Screw with an 5/32 inch Allen Wrench.
   a. The Door should latch without having to be manually lifted.
   b. Do Not allow the Adjusting Set Screw to protrude more than 5/32 inch past the end of stile.
   c. If deemed necessary: an optional 1/2 inch Set Screw has been provided by NABCO.

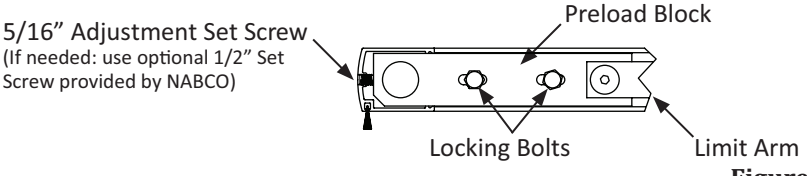


Figure 8-13 Adjust the Preload

8.g.a: Correct Preload Misalignment

If Preload results in a misalignment of the Strike end of the door and hanger; continue with the following instructions.

1. Loosen the Allen head fasteners in the pivot bar and slide the pivot bar in the hanger until the door and hanger are properly aligned. Please see Figure 8-14.
2. Verify that the panic catch in the top rail of the door and the hanger are still aligned.
3. If necessary loosen the set screws for the panic catch in the hanger and reposition to align with the panic catch in the top rail.

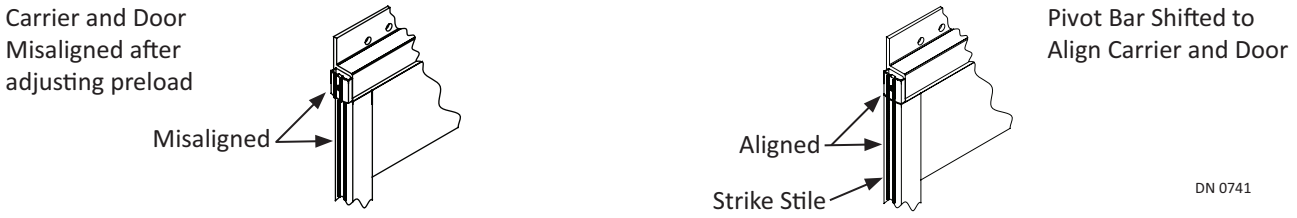


Figure 8-14 Correct Preload Misalignment

Section 8h: Adjust the Ball Plunger

1. Breakout the Slide door.
   a. Slide Door may have to be lifted.
   b. Top rail may have to be hit with a rubber mallet. In that event, protect the surface first.
2. Remove (2) 1/4-20 x 1-1/4 inch Socket screws that are used to secure the Allen Block to the Top Rail. Please see Figure 8-15.

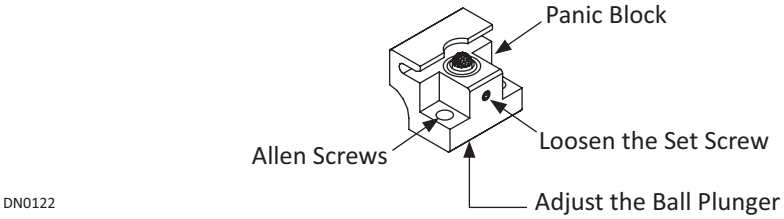


Figure 8-15 Panic Adjustment

3. Loosen the Set screw that is located in front of the Panic Block.
   a. Adjust the Ball plunger down, so Panic Catch does not engage if Panic Hardware is used.
4. Raise or lower the Ball plunger located underneath the Panic Block.
   a. The Ball plunger must be adjusted for proper breakout resistance to meet ANSI A156.10 code or local code.
5. Tighten the Set screw.
6. Reinstall the Panic Block and tighten the two Allen screws that were saved for reinstallation.
   a. Save Allen screws.
7. Repeat if necessary.

CHAPTER 9: INSTALL WEATHERING

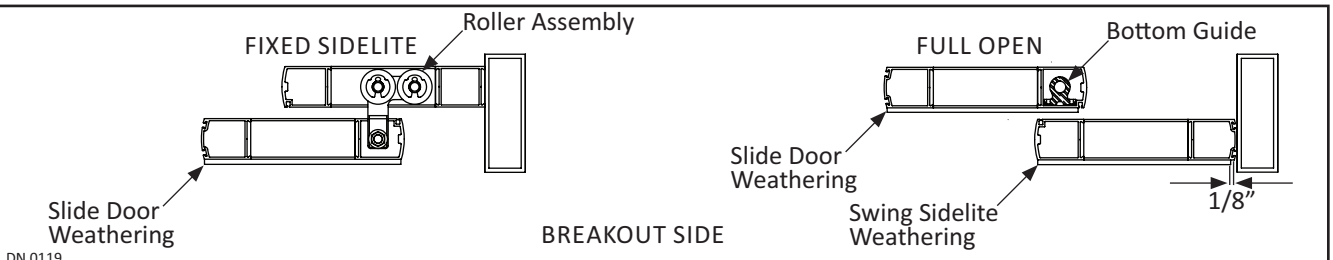


Figure 9-1 Weathering Placement

Note: Ensure the Brush Holder is level and square before securing to doors.

Section 9a: Fixed Sidelite

1. Slide Vinyl into the Brush Holder.
2. Secure Brush Holder to Bottom Rail of Slide door with #6 x 1/2 inch self tapping screws.

Section 9b: Full Open

1. Slide Vinyl into the Brush Holder.
2. Secure Brush Holder to Bottom Rail of Swing Sidelite with #6 x 1/2 inch self tapping screws. Please see Figure 9-2.
   a. It is recommended to leave at least a 1/8 inch gap between the Edge of the Pivot Stile and the Brush Holder. Please see Figure 9-1.
   b. Allow 1/8 inch Vinyl to extend past the Brush Holder so the gap is filled.
   c. Failure to do so, will cause the Brush Holder to damage the Pivot Jamb Tube and/or keep the Swing Sidelite from opening.
3. Breakout the Swing Sidelite.
4. Slide Brush into the Brush Holder.
5. Secure Brush Holder to Bottom Rail of Slide door with #6 x 1/2 inch self tapping screws.

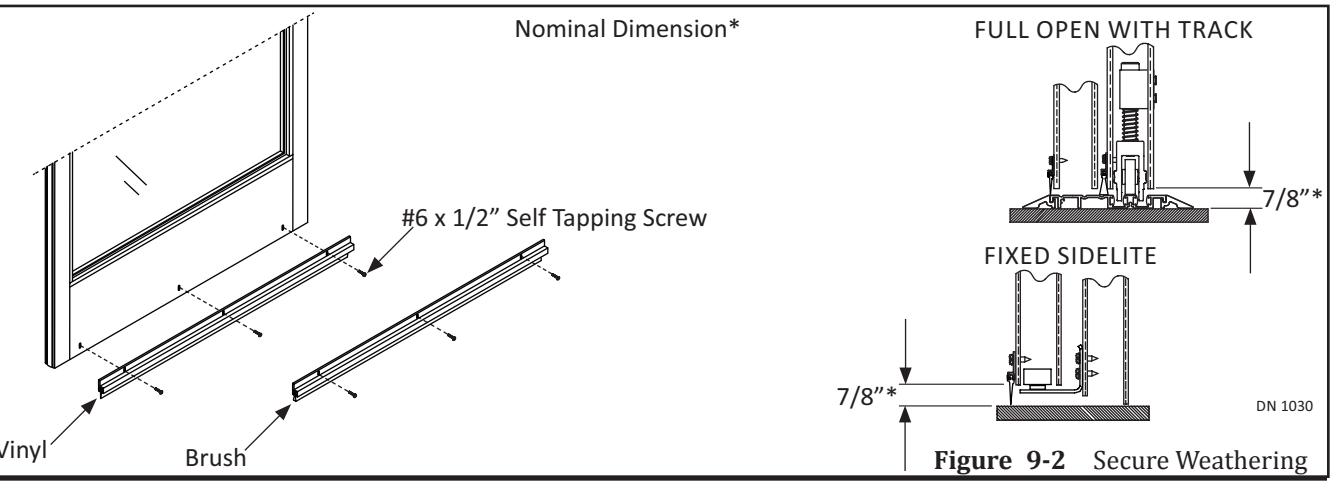


Figure 9-2 Secure Weathering

Section 9c: Apply Caulking Bead

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). Please see Figure 9-3.

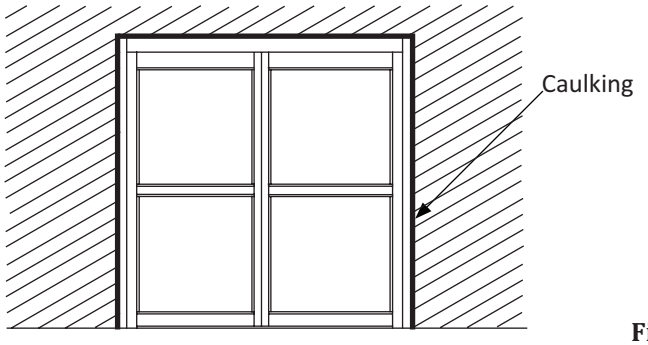


Figure 9-3 Caulk Position

CHAPTER 10: WIRE THE SWITCH ASSEMBLY

Note: Do not secure the Switch Assembly to the Jamb Tube until after the Slide door installation is complete.

Note: The U30 Microprocessor Control, Main Harness comes in three lengths: 36 inches, 72 inches, and 80 inches. The length used is dependant upon the type of installation.

There are (2) Standard Switch Assemblies that are both installed the same way:

- Rocker Switch; P/N 14-11876-**
- Key Switch; P/N 14-11875-**

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

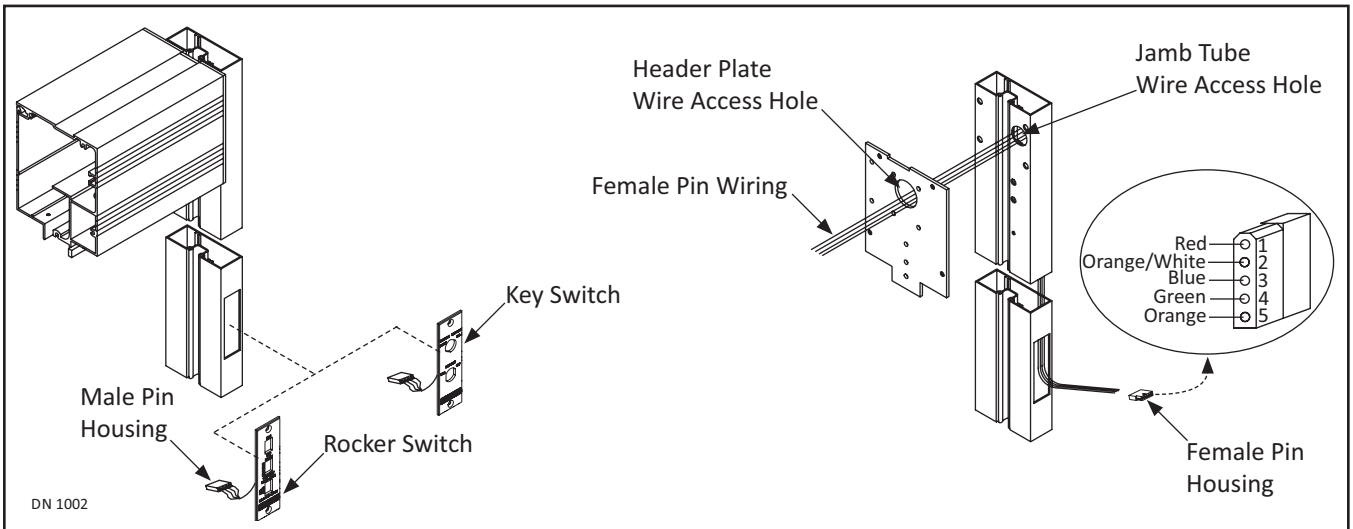


Figure 10-1 Pull Female Pin Wiring through the Jamb Tube Cut Out