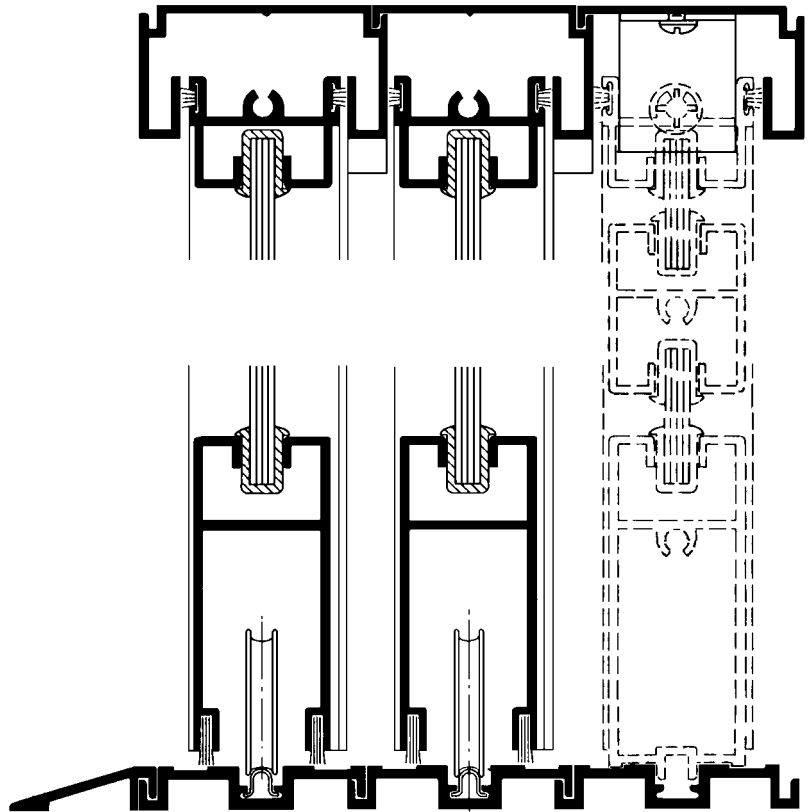


# INSTALLATION

# 1010

## SLIDING MALL FRONT



# INSTRUCTIONS

# INSTALLATION INSTRUCTIONS

These instructions show the general installation sequence and procedure for typical installations. They supplement the shop details and notations on installation and glazing.

<b><u>SECTION</u></b>	<b><u>PAGE</u></b>	
<b>I</b>	<b>1</b>	<b>GENERAL NOTES</b> <ul style="list-style-type: none"><li>• MATERIAL HANDLING, STORING &amp; PROTECTION OF ALUMINUM</li><li>• GENERAL INSTALLATION NOTES</li></ul>
<b>II</b>	<b>2-3</b>	<b>PARTS IDENTIFICATION</b>
<b>III</b>	<b>4</b>	<b>GLASS SIZE FORMULAS</b>
<b>IV</b>	<b>5-6</b>	<b>FRAME INSTALLATION</b>
<b>V</b>	<b>7-8</b>	<b>PANEL ASSEMBLY/GLAZING (STD.)</b>
<b>VI</b>	<b>9</b>	<b>PANEL ASSEMBLY (SERVICE CENTER)</b>
<b>VII</b>	<b>10 -11</b>	<b>PANEL INSTALLATION AND ADJUSTMENT</b>
<b>VIII</b>	<b>12</b>	<b>LOCK INSTALLATION AND ADJUSTMENT</b>

# SECTION I – GENERAL NOTES

## HANDLING, STORING, AND PROTECTION OF ALUMINUM

The material must be protected against damage. The following precautions are recommended to assure early acceptance of your products and workmanship.

- A. HANDLE CAREFULLY** - Don't drop from the truck. Stack with adequate separation so material will not rub together. Store off ground. Protect against elements and other construction trades.
- B. KEEP MATERIAL AWAY FROM WATER, MUD AND SPRAY** - Prevent cement, plaster, or other materials from damaging the finish.
- C. PROTECT THE MATERIALS AFTER ERECTION** - Protect by wrapping with Kraft paper or by erecting Visqueen or canvas splatter screen. Cement, plaster, terrazzo, other alkaline solutions and acid based materials used to clean masonry are very harmful to the finish and should be removed with water and mild soap IMMEDIATELY.

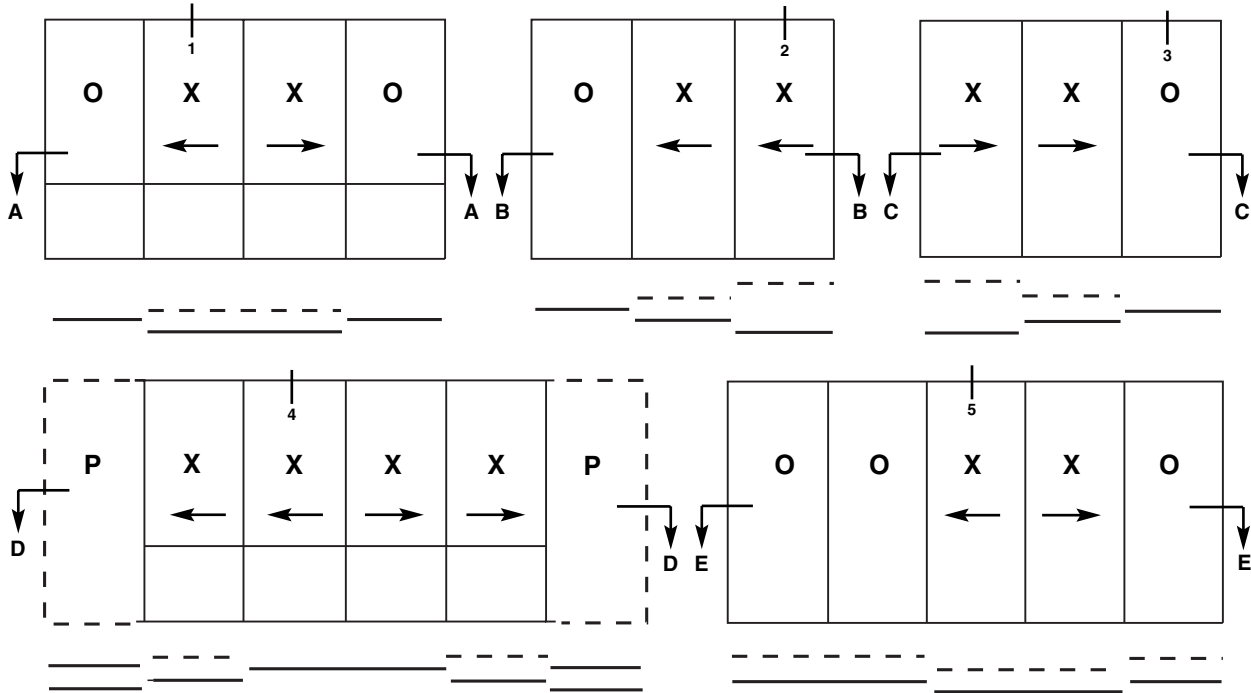
## GENERAL INSTALLATION NOTES

The following practices are recommended for all installations:

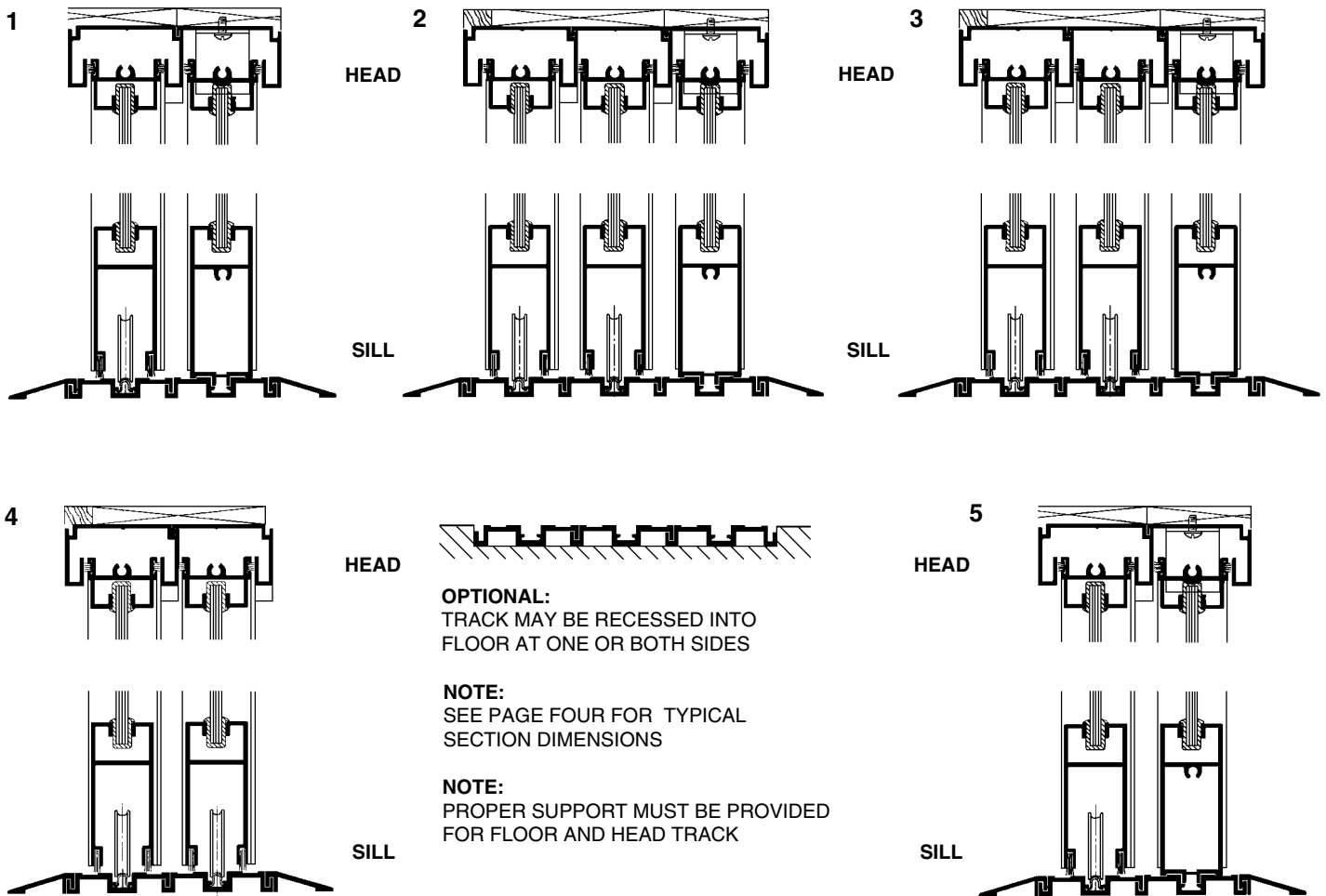
- A. CHECK SHOP DRAWINGS, INSTALLATION INSTRUCTIONS and GLAZING INSTRUCTIONS** to become thoroughly familiar with the project. The SHOP DRAWINGS take precedence and include specific details for the project. The INSTALLATION INSTRUCTIONS are of a general nature and cover the most common conditions.
- B. All materials are to be INSTALLED PLUMB, LEVEL, AND TRUE.**
- C. All work should start from bench marks and/or column lines as established by the ARCHITECTURAL DRAWINGS and the GENERAL CONTRACTOR.**
- D. Make certain that construction which will receive your materials is in accordance with the contract documents. If not, notify the GENERAL CONTRACTOR IN WRITING and resolve differences before proceeding with your work.**
- E. Isolate all aluminum to be placed directly in contact with uncured masonry or incompatible materials with a heavy coat of zinc chromate or bituminous paint.**
- F. Check all materials on arrival for quantity and be sure you have everything required to begin installation.**
- G. Sealants must be compatible with all materials with which they have contact, including other sealant surfaces. Consult with sealant manufacturer for recommendations relative to shelf life, compatibility, priming, tooling, adhesion, etc.**
- H. FASTENING** - "Fastening" means any method of securing one part to another or to adjacent materials. These instructions specify only those fasteners used within the system. Due to varying perimeter conditions and job performance requirements, anchor fasteners are not specified in these instructions. For anchor fastening, refer to the Shop Drawings or consult the fastener supplier.

# SECTION II – ELEVATIONS/VERTICAL SECTION DETAILS

**NOTE:** DOTTED LINES ON PLAN INDICATE OPTIONAL TRACK LAYOUT

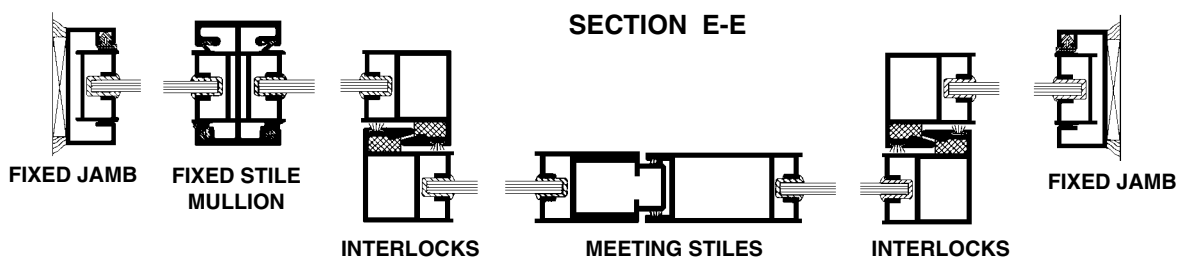
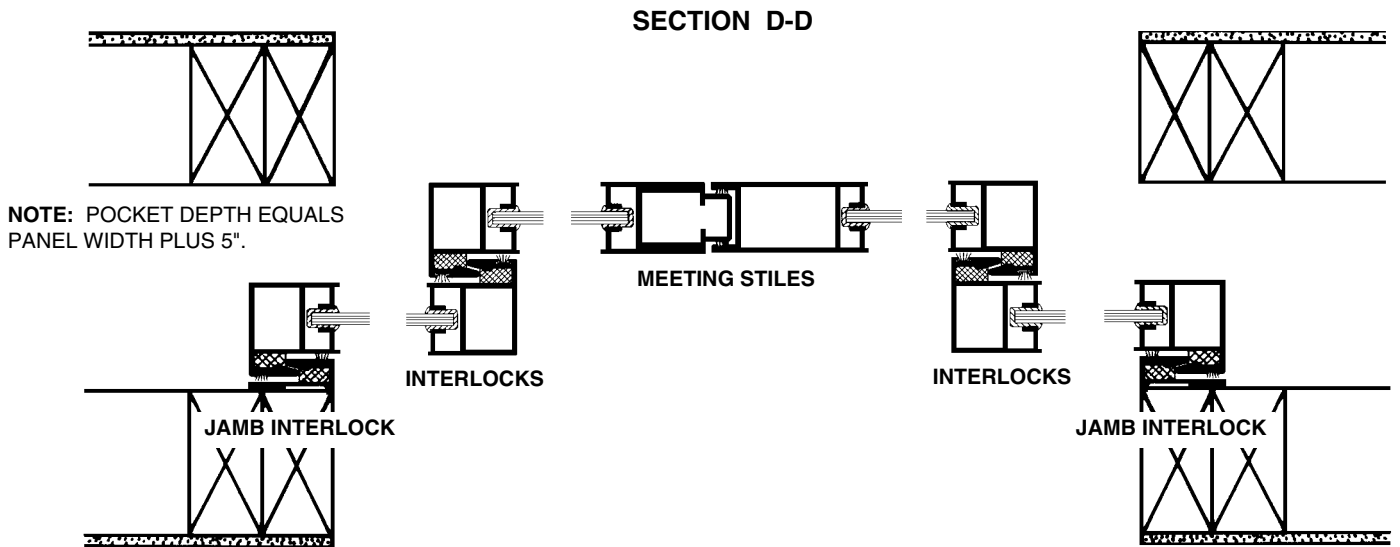
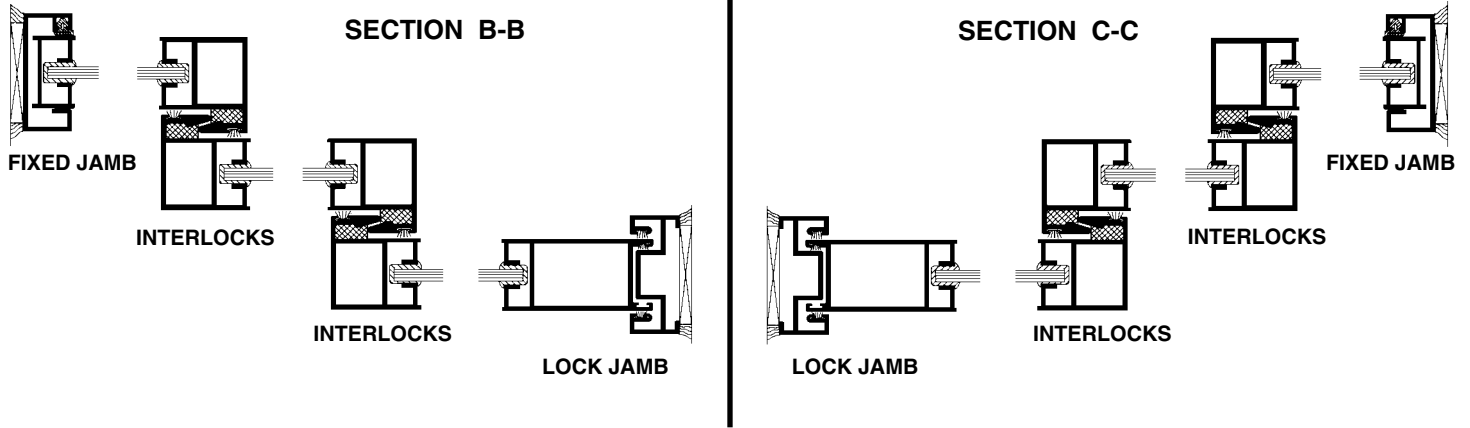
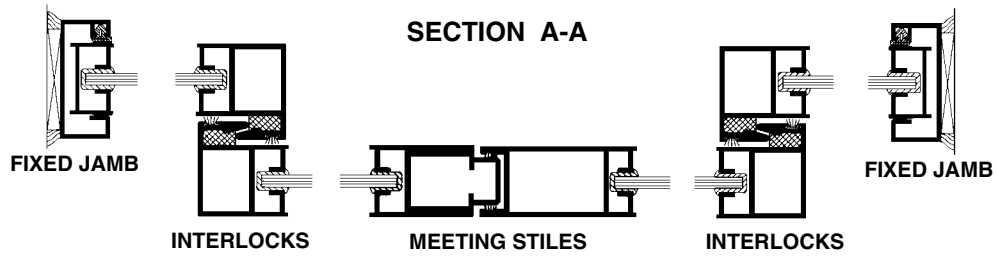


**ELEVATIONS KEYED TO DETAILS BELOW AND ON PAGE 3.**



# SECTION II – HORIZONTAL SECTION DETAILS

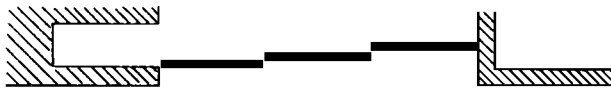
NOTE: SEE PAGE 4 FOR TYPICAL SECTION DIMENSIONS



# SECTION III – GLASS SIZE FORMULAS

## I. GLASS WIDTH FORMULAS (Panels opening dimension or unit width is equal to masonry opening less shim space.)

### A. ONE DIRECTION STACKING (Pocket or Remote)



$$\frac{\text{Panel opening dimension} - 1\frac{23}{32}''}{\text{Number of Panels}} - \frac{7}{8}'' = \text{Glass size per panel}$$

### B. ONE DIRECTION STACKING (One Fixed Panel)



$$\frac{\text{Unit width} - 2\frac{23}{32}''}{\text{Number of Panels}} - \frac{7}{8}'' = \text{Glass size per panel}$$

### C. TWO DIRECTION STACKING (Pockets or Remote Stack)



$$\frac{\text{Panel opening dimension} - 1\frac{5}{8}''}{\text{Number of Panels}} - \frac{7}{8}'' = \text{Glass size per panel}$$

### D. TWO DIRECTION STACKING (Fixed Panel each end)



$$\frac{\text{Unit width} - 3\frac{5}{8}''}{\text{Number of Panels}} - \frac{7}{8}'' = \text{Glass size per panel}$$

## II. GLASS HEIGHT FORMULAS

### A. GLASS HEIGHT WITHOUT MUNTIN – Unit Height – $4\frac{27}{32}''$

### B. GLASS HEIGHT WITH MUNTIN (Muntin location is dimensioned from bottom of sill track to center line of Muntin.)

$$\text{Lower Light} = \text{Muntin Location} - 3\frac{27}{32}''$$

$$\text{Upper Light} = \text{Unit Height} - \text{Muntin Location} - 1\frac{7}{8}''$$

**NOTE:** All glass used in sliding doors or areas adjacent to pedestrian traffic should be tempered or laminated safety glass. Be sure the type used conforms to any governing local or state codes which may apply.

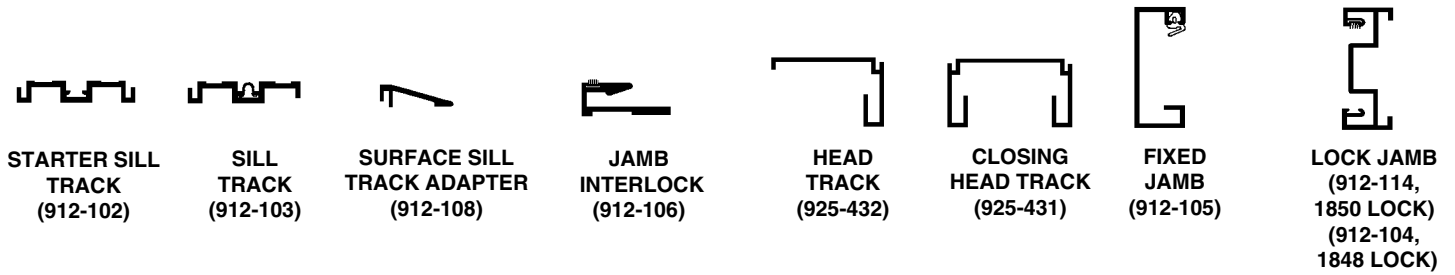
## GENERAL NOTES

1. IDENTIFY ALL PARTS AND ACCESSORIES BEFORE PROCEEDING WITH ASSEMBLY AND INSTALLATION. SEE FRAME INSTALLATION (PAGE 5) AND PANEL ASSEMBLY (PAGE 7-8) FOR PART IDENTIFICATION.


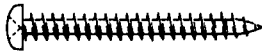





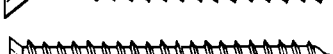


2. ALL FRAME, TRACK AND PANEL PARTS ARE CUT PER JOB DETAILS AND MUST NOT BE FIELD CUT TO ACCOMMODATE UNDERSIZE BUILDING OPENINGS. DETAILED DIMENSIONS MUST BE MAINTAINED.

# SECTION IV – FRAME INSTALLATION

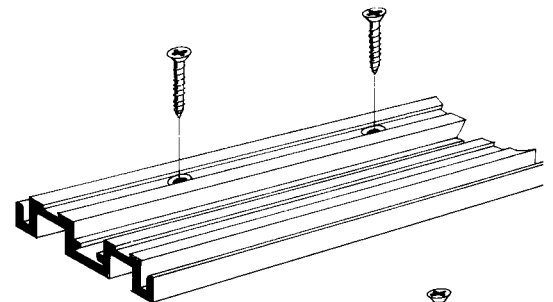
## PART IDENTIFICATION



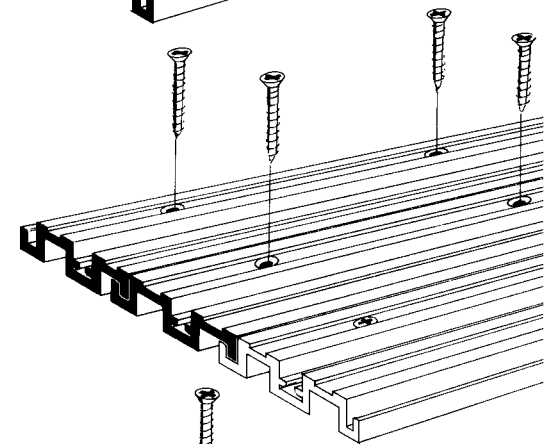
## FRAME SCREW CHART

		----- 28-656	#8x1 1/2"	PHSMS
		----- 128-112	#12x1 1/2"	PHSMS
		----- 904-197	#12x2 1/2"	FHSMS
		----- 28-732	#8x2"	FHSMS
		----- 28-201	#12x1 3/4"	PFHMS

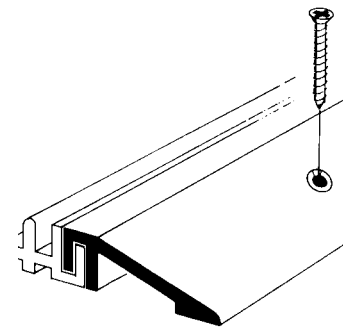
**Step 1:** Locate sill starter track (912-102) per job requirements. Shim to level and anchor using 28-732 screws.



**Step 2:** Position additional sill track (912-103) per job requirements. Shim to level and anchor using 28-732 screws.

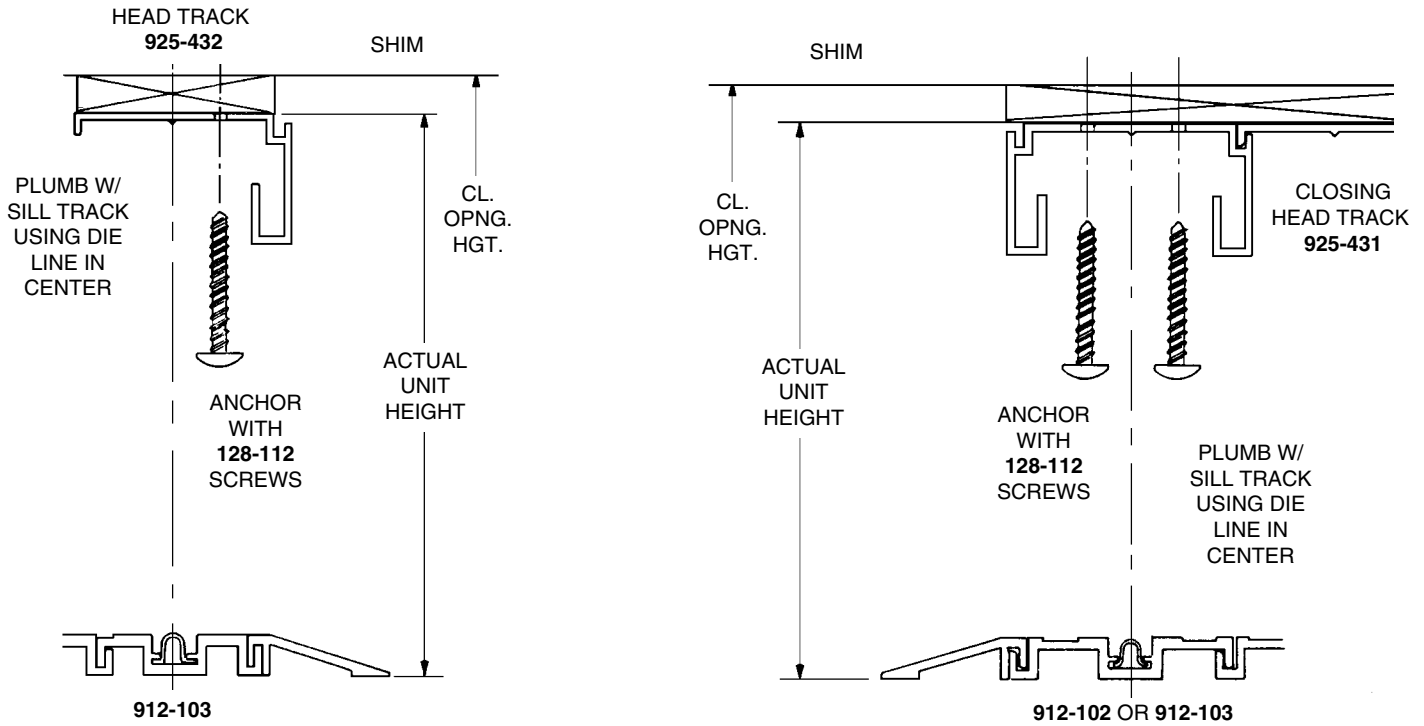


**Step 3:** When required on surface applied sill track, position and anchor threshold adapters (912-108) using 28-732 screws.



# SECTION IV – FRAME INSTALLATION Continued

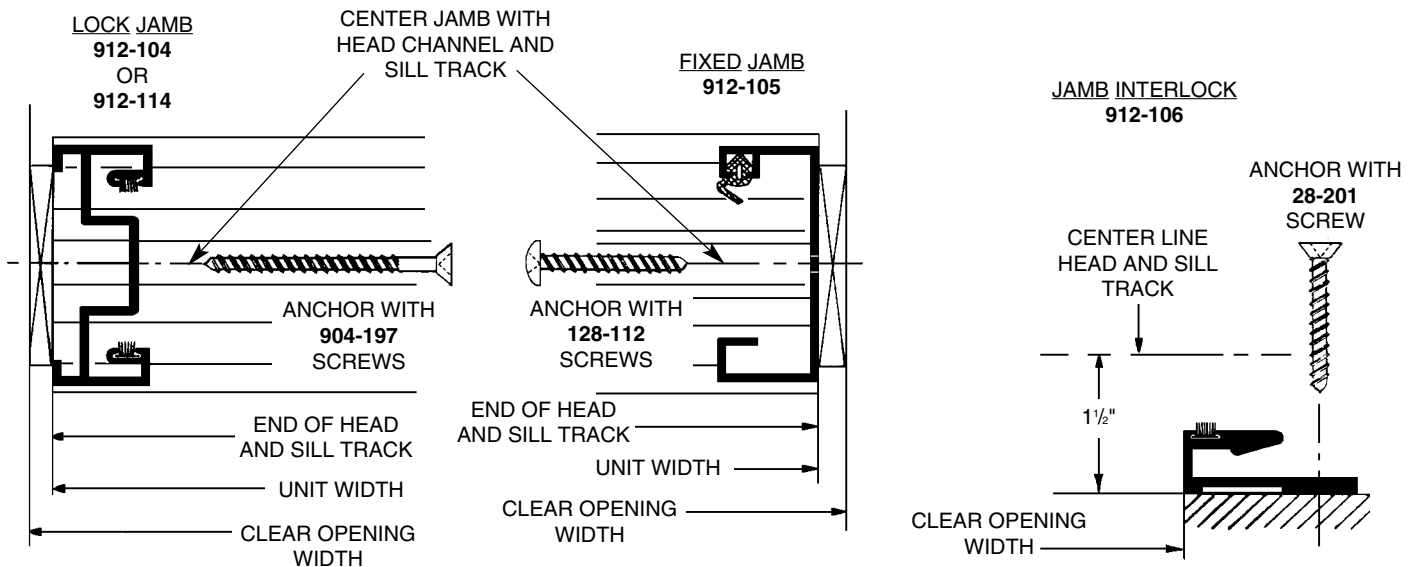
**Step 4:** Locate and anchor appropriate head section over last sill track section installed. Shim as required to level and maintain proper unit height.



LOCATE AND ANCHOR ADDITIONAL PANEL HEAD TRACKS IN A SIMILAR MANNER.

ATTACH CLOSING HEAD SECTION (925-431) LAST.

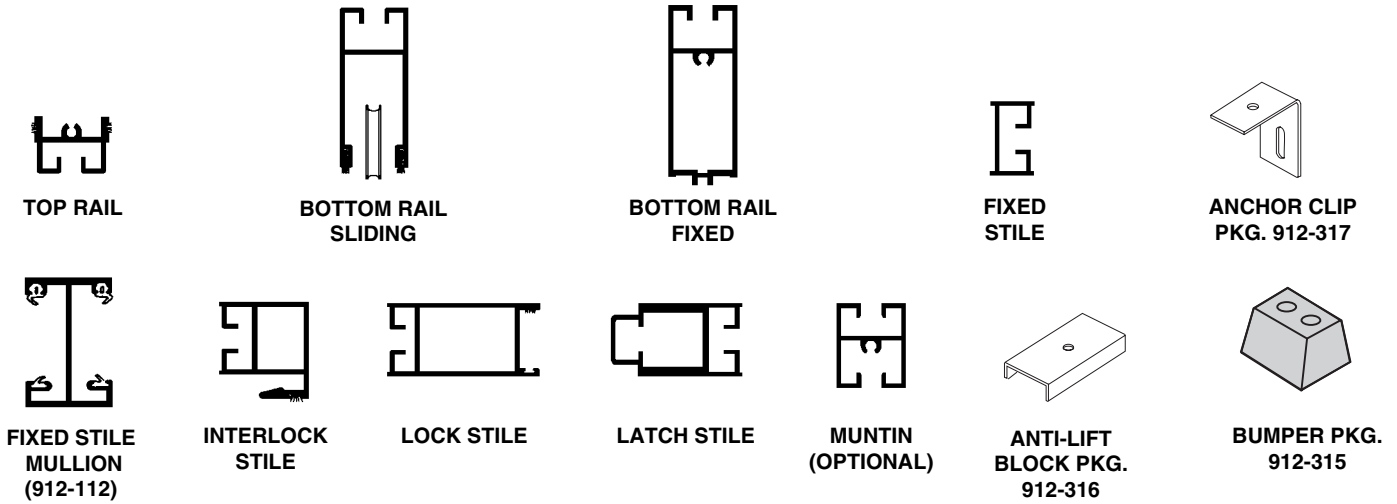
**Step 5:** Position and attach required jambs (See job details) as shown below. Shim as required to plumb and maintain proper clear opening width.



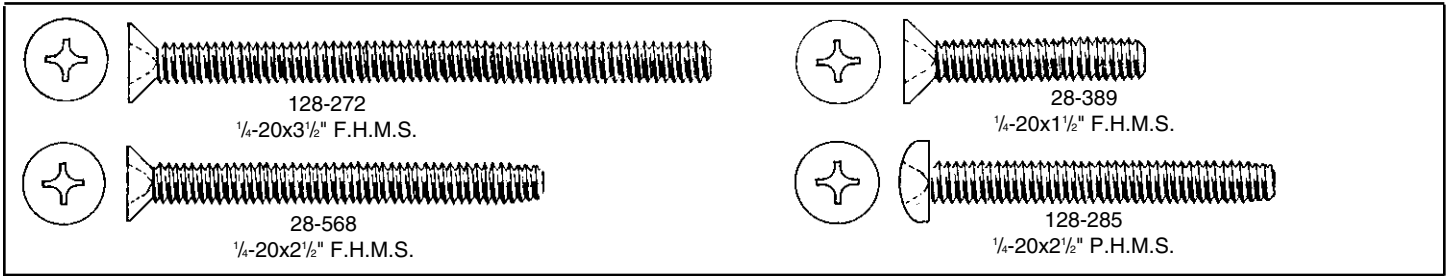
# SECTION V – PANEL ASSEMBLY/GLAZING

## PART IDENTIFICATION

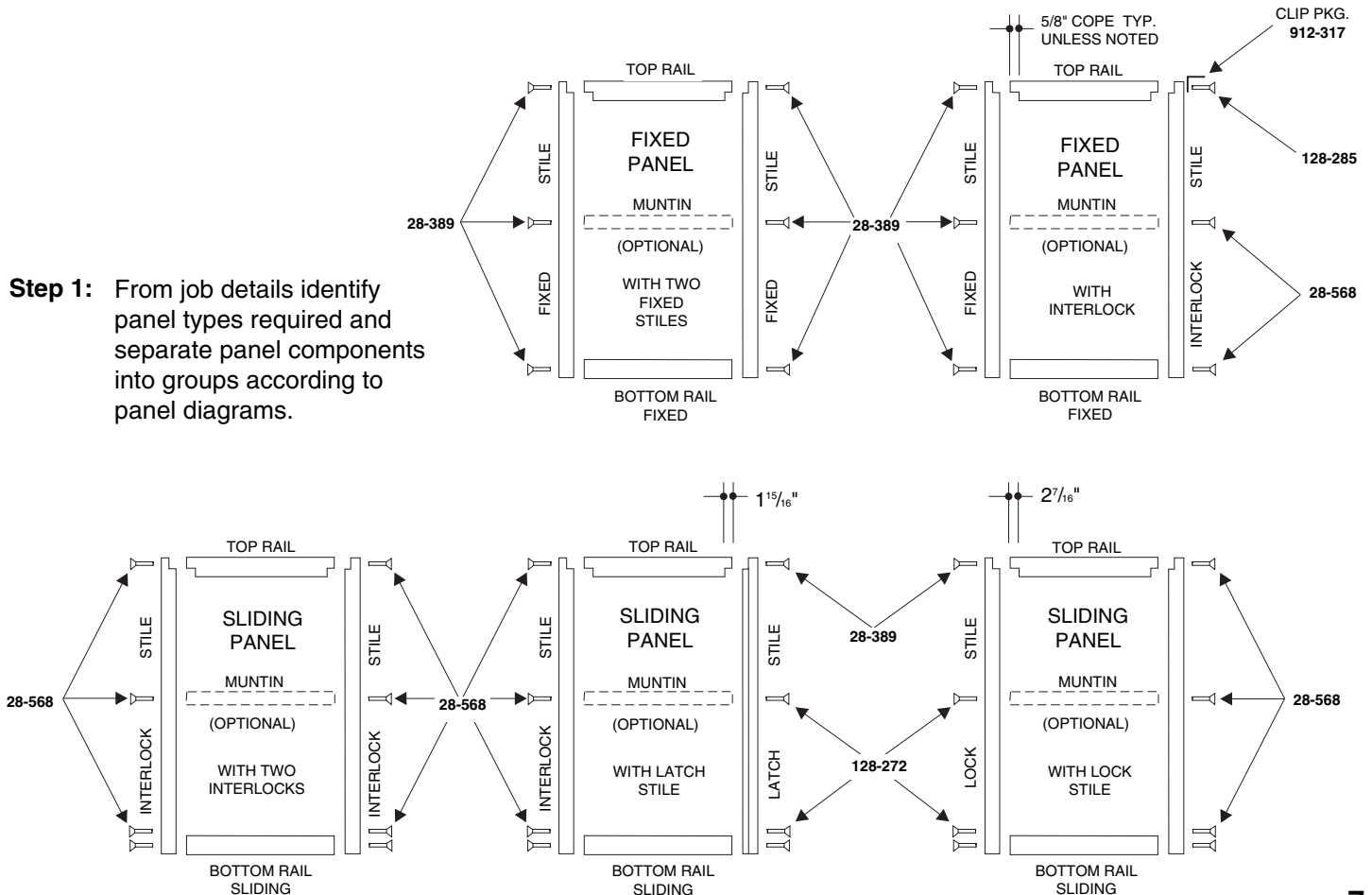
NOTE: Single glass extrusions shown, insulating glass extrusions are identical except in glass pocket area.



## PANEL SCREW CHART

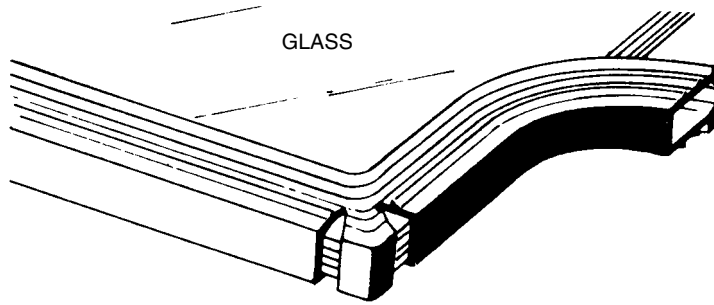


**Step 1:** From job details identify panel types required and separate panel components into groups according to panel diagrams.



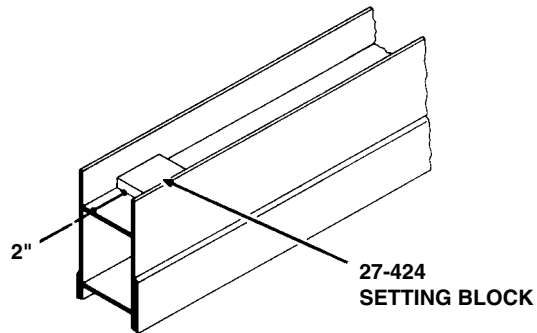
## SECTION V – PANEL ASSEMBLY/GLAZING Continued

**Step 2:** On single glazed panels, take vinyl glazing channel and, starting at the top center of the glass, run vinyl around glass. Cut vinyl at corners as shown. Stretch vinyl 2" on sides and 1" on bottom, allow an extra 1/4" at top to keep vinyl closed.



**Step 3:** Center top rail and drive into place over glazing channel.

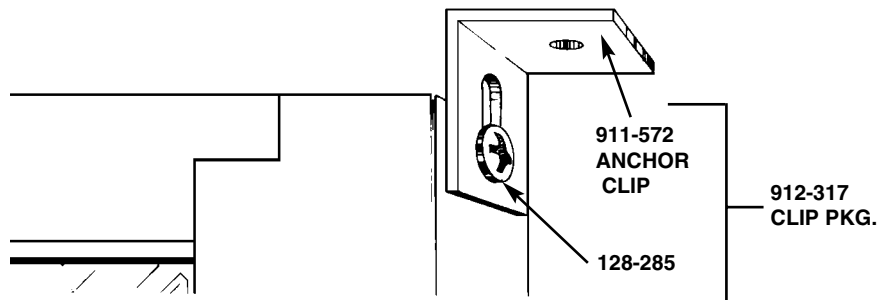
**Step 4:** Follow with bottom rail. On double glazed panels, install adhesive backed setting blocks 2" in from each end, prior to installing bottom rail.



**Step 5:** Install stiles in a similar manner, using a rubber mallet to seat on vinyl and glass at all points. Using the screws shown in the panel diagrams on Page 7, fasten top and bottom rails to stiles. Top and bottom rails must lock inside vertical stiles.

**Step 6:** Install clip **911-572** (Part of **912-317** Pkg.) on fixed interlock at top rail.

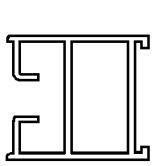
**Step 7:** Check squareness of panel.



# SECTION VI – PANEL ASSEMBLY (SERVICE CENTER)

**NOTE:** INTERLOCKS AND TOP RAILS OF THE SERVICE CENTER SLIDER ARE DIFFERENT FROM THE STANDARD 1010. USE THIS PAGE FOR ASSEMBLY OF SERVICE CENTER SLIDERS.

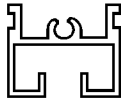
## PANEL SCREW CHART



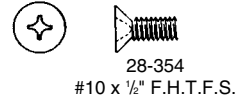
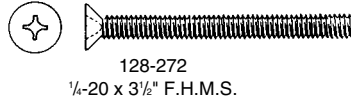
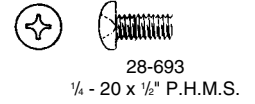
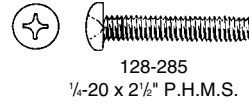
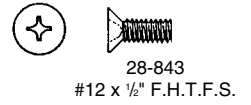
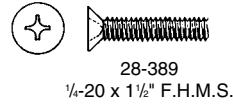
**INTERLOCK**  
925-251



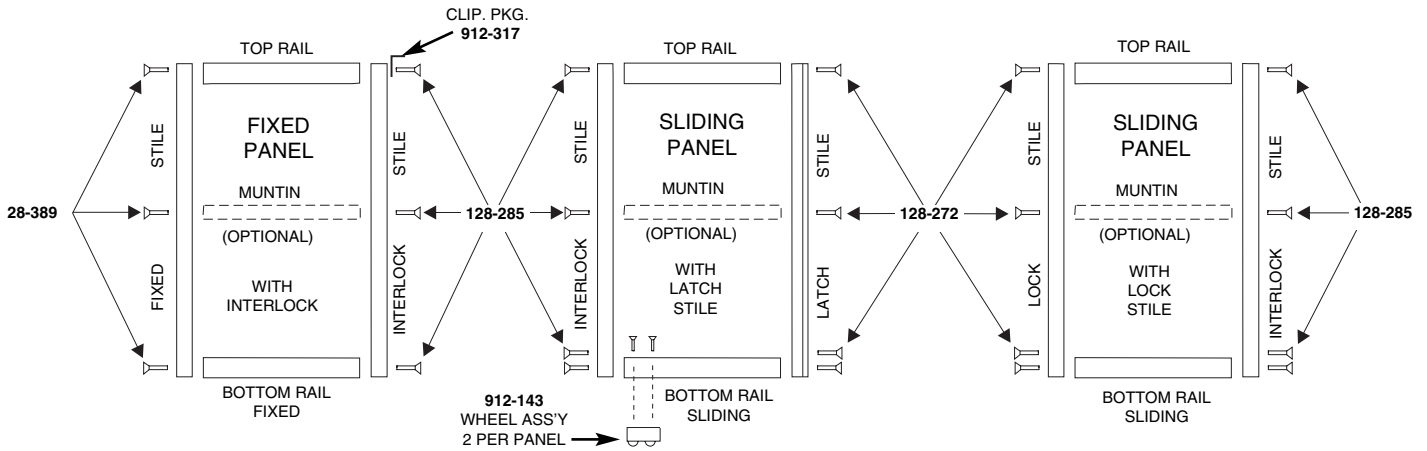
**INTERLOCK CAP**  
925-252



**TOP RAIL**  
925-250



## ASSEMBLE PANEL

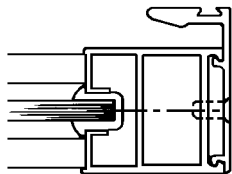


AFTER PANEL GLAZING (SEE PAGE 8), SLIDE INTERLOCK CAPS IN PLACE AND AFFIX WITH RETAINING SCREW.

**NOTE:** FIXED INTERLOCK CAP HAS ATTACHMENT HOLE IN CENTER.  
SLIDE INTERLOCK CAP HAS ATTACHMENT HOLE AT ENDS.

**INTERLOCK SPACER (911-849)**  
2" LONG (3) PER INTERLOCK

**INTERLOCK BUMPER (911-574)**  
1" LONG (2) PER INTERLOCK



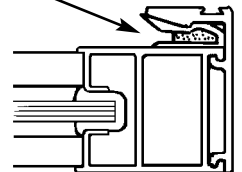
28-354 AT MID HEIGHT OF FIXED INTERLOCK

28-843 AT TOP END OF SLIDE INTERLOCK

INSTALL INTERLOCK SPACERS AND BUMPERS AS SHOWN

**A.** PLACE ONE SPACER AT TOP, ONE AT BOTTOM & ONE AT MID HEIGHT.

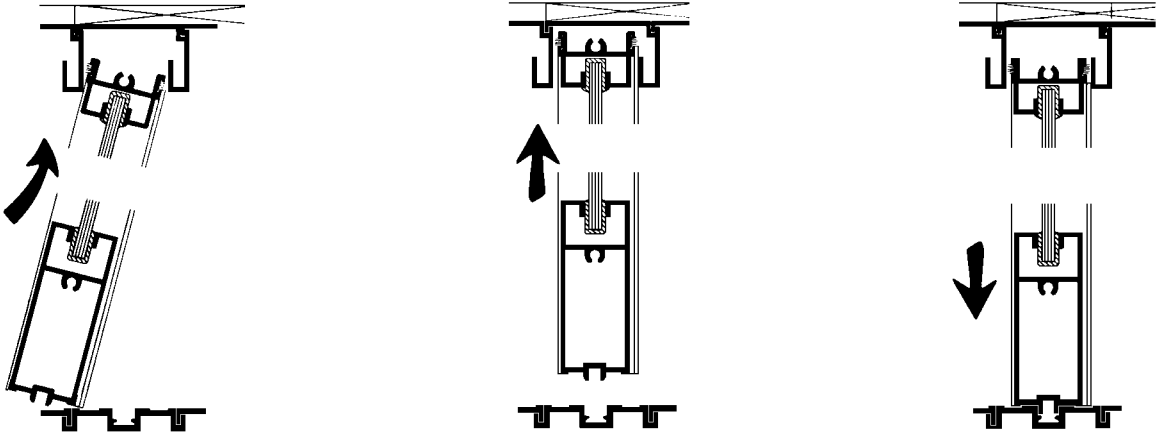
**B.** PLACE BUMPER AT 1/3 POINTS FROM TOP AND BOTTOM.



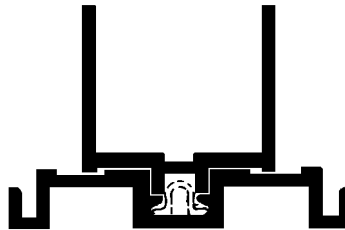
# SECTION VII – PANEL INSTALLATION AND ADJUSTMENT

## Step 1:

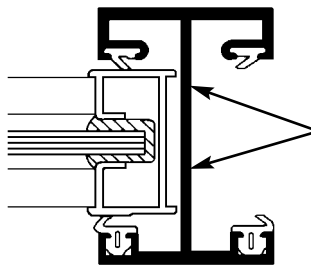
- A. Install fixed panels - push top into head, swing bottom over sill, lower panel onto sill, and push into jamb.



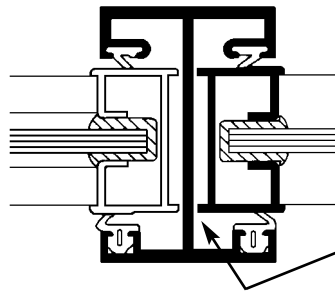
**NOTE:** Make sure the bottom rail is properly seated on sill track.



- B. On units with two adjacent fixed panels, install fixed stile mullion then second fixed panel.

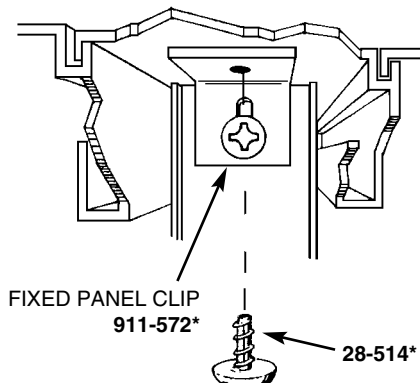


WEB OF FIXED STILE MULLION MUST "BOTTOM" AGAINST FIXED PANEL.



FIXED PANEL MUST "BOTTOM" AGAINST WEB OF FIXED STILE MULLION

- Step 2:** Fasten fixed panel clip (911-572) to head track with 28-514 screw. Use #26 drill.



FIXED PANEL CLIP  
911-572\*

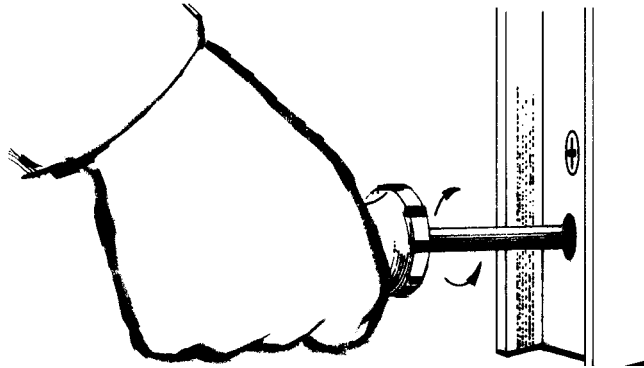
28-514\*

\*LOCATED IN  
PKG. 912-317

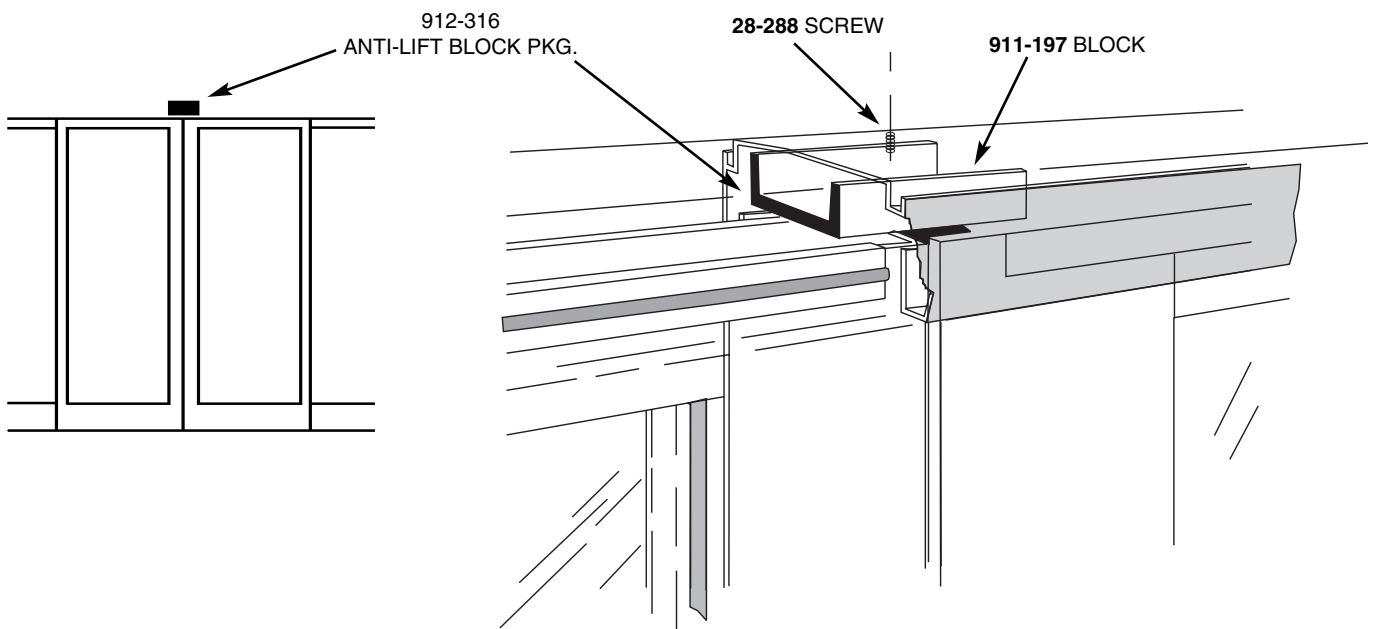
# SECTION VII – PANEL INSTALLATION AND ADJUSTMENT Continued

**Step 3:** Install operating panels in a manner similar to fixed panel.

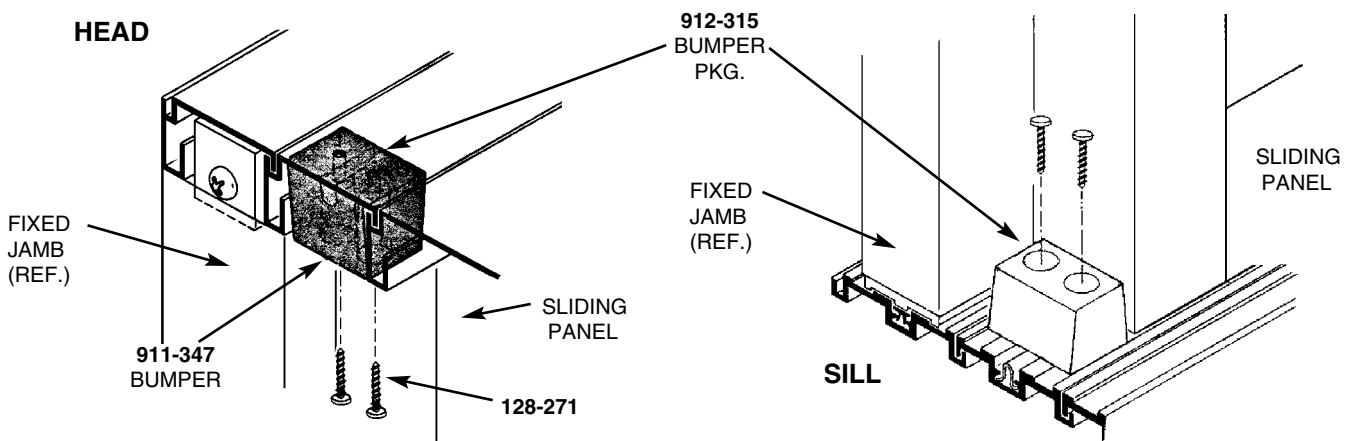
**Step 4:** Adjust rollers to align panel with jamb or mating stiles and to provide a smooth rolling action. Turn adjusting screws clockwise to raise panel - counterclockwise to lower panel.



**Step 5:** (BI-PARTS UNITS ONLY) Install anti-lift block (Pkg. 912-316) in head channel above meeting stiles on two direction stack units. Use #28 drill.



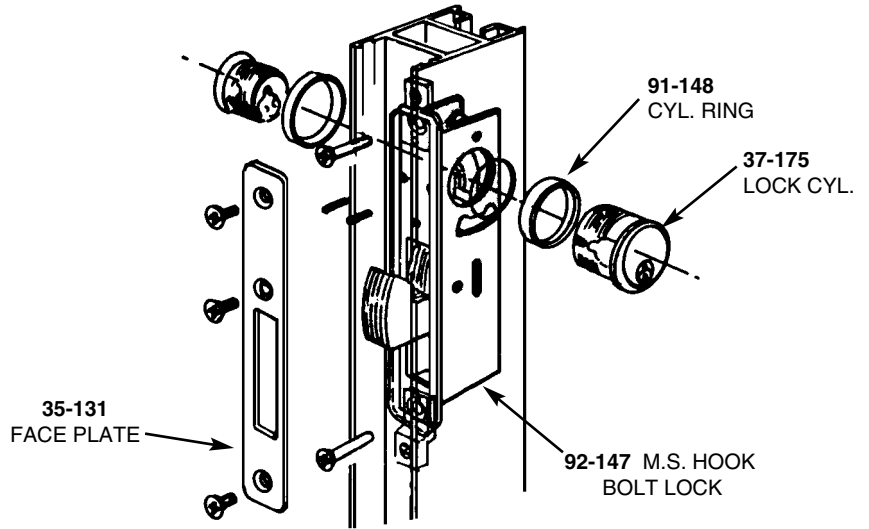
**Step 6:** Install bumper (Pkg. 912-315) at “stack” end of each head and sill track as shown below. Use #14 drill.



# SECTION VIII – LOCK INSTALLATION AND ADJUSTMENT

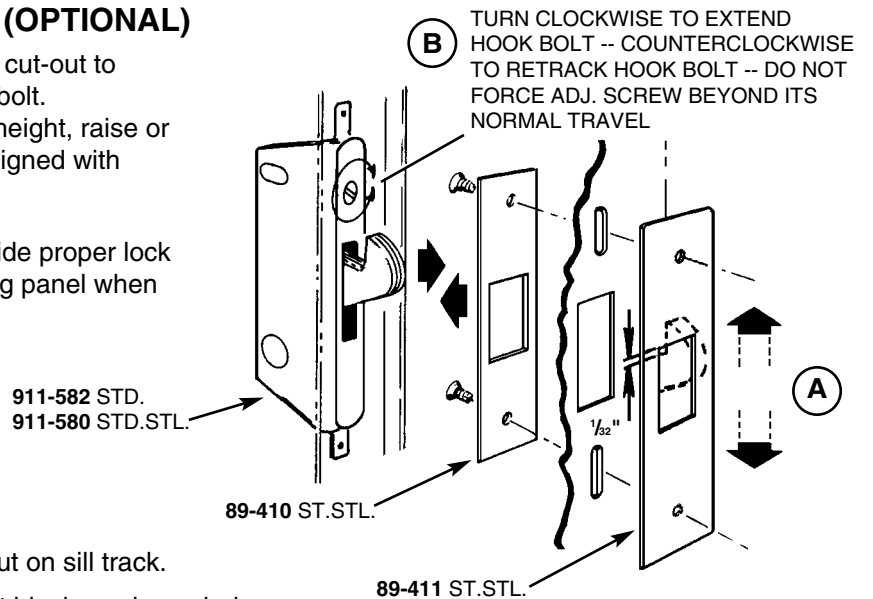
## M.S. LOCK

Factory installed, no lock adjustments. Adjust rollers for proper engagement of hook bolt.



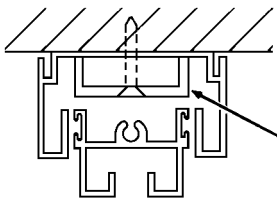
## ADAMS RITE 1848 HOOK BOLT LOCK (OPTIONAL)

- A. Loosen strike screws and adjust top of strike cut-out to approximately  $\frac{1}{32}$ " above flat portion of hook bolt. (Note: If strike cannot be adjusted to proper height, raise or lower rollers as required - panel must be realigned with jamb, etc.)
- B. Adjust hook bolt in or out as required to provide proper lock engagement and prevent movement of sliding panel when locked.



## FLOOR LOCK (Optional)

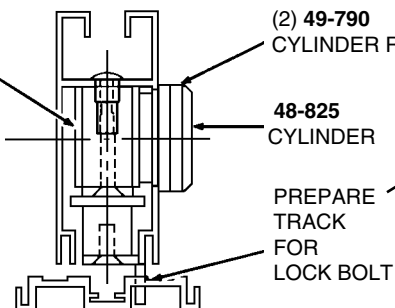
- A. Place panels in closed position.
- B. Mark location of  $\frac{1}{4}$ " wide x  $1\frac{3}{4}$ " long bolt cutout on sill track.
- C. Open panels - make cutout and install anti-lift block as shown below.



INSTALL 911-197 ANTI-LIFT BLOCK USING A 28-690 SCREW (#29 DRILL) CENTERED OVER BOLT CUTOUT IN SILL TRACK. IT IS **CRITICAL** TO INSTALL THE ANTI-LIFT BLOCK WHEN USING THE BOTTOM RAIL LOCK. OTHERWISE, SECURITY IS SERIOUSLY JEOPARDIZED.

$14\frac{9}{32}$ " (359.6)
FROM LOCK JAMB END OF TRACK
$13\frac{7}{32}$ " (335.8)
TO CENTER POINT LOF MEETING STILES (MID POINT OF $5\frac{1}{16}$ " (128.6))

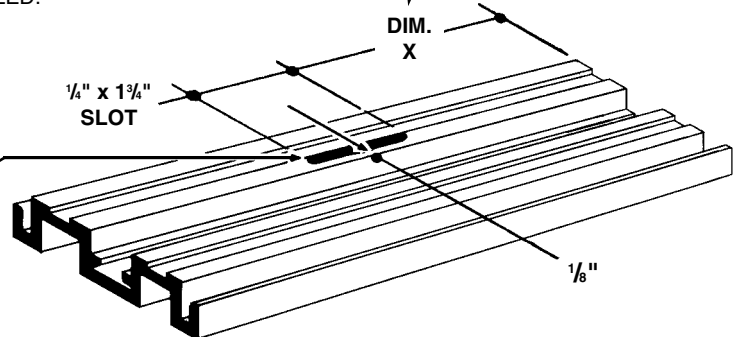
912-882 LOCK PKG.



(2) 49-790 CYLINDER RINGS

48-825 CYLINDER

PREPARE TRACK FOR LOCK BOLT







KAWNEER COMPANY, INC.  
TECHNOLOGY PARK/ATLANTA  
555 GUTHRIDGE COURT  
NORCROSS, GEORGIA 30092