



## **BIGG FRAME™ *Sliding Door Systems***



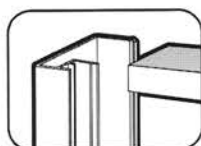
### **BIGG FRAME™ *Sliding Door Systems***

For large openings and high wind load conditions.

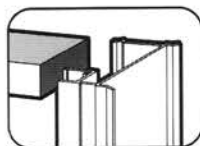
*sliding door systems*

# BIGG FRAME™ *Sliding Door Systems*

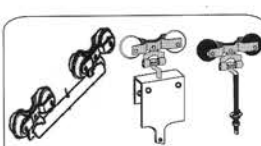
For large openings and high wind load conditions



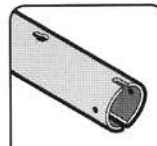
**Side Rail/Steel Girt**  
#391 #235



**Double Couple**  
#396



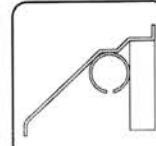
**Trolley Hangers**  
#643437, #711221, Delrin® #711055



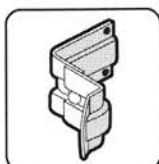
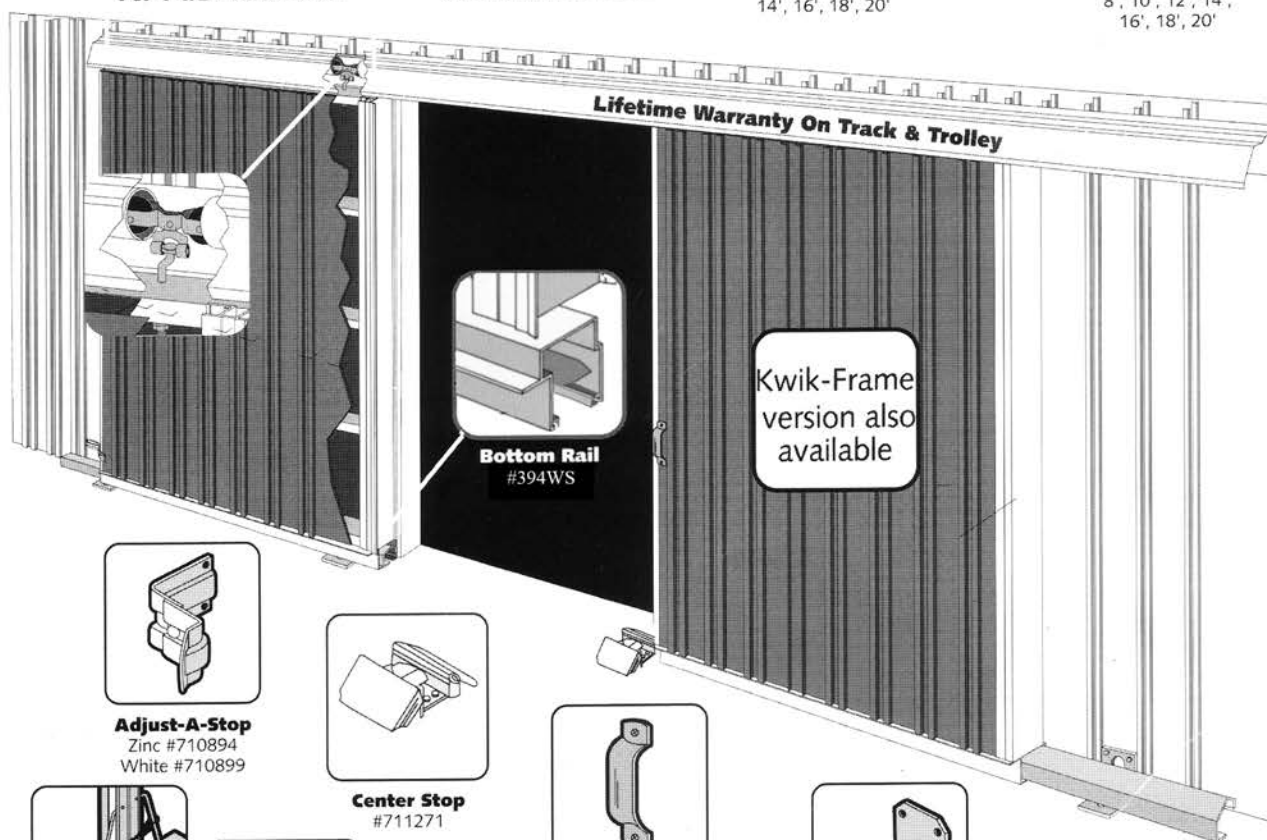
**Keyhole™ Track**  
6', 8', 10', 12',  
14', 16', 18', 20'



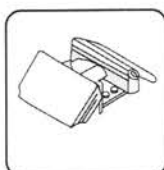
**Splice Collar**  
#465101



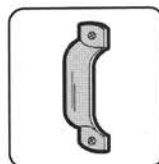
**Quick Track™**  
With White Cover  
8', 10', 12', 14',  
16', 18', 20'



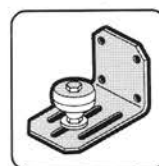
**Adjust-A-Stop**  
Zinc #710894  
White #710899



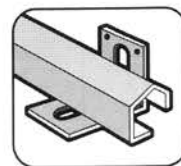
**Center Stop**  
#711271



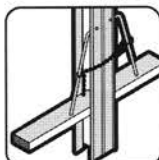
**Jumbo Door Pull**  
Zinc #710653  
White #710654



**Offset Stay Roller**  
#710806



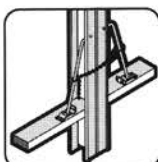
**Stay Guide II**



**Center Mt Metal Door Snugger**  
21 Link #711200



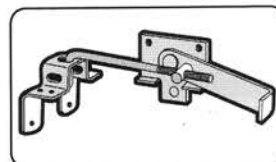
**Side Mt Metal Door Snugger**  
21 Link #711201



**Center & Side Mt Wood Door Snugger**  
21 Link #643404



**Cam Latch**  
Single #711504  
Pair #651303



**Jamb Latch**  
4" - #728091  
7" - #728106

## Number of Horizontals Required all Vertical Spacings are 24" Q.C.

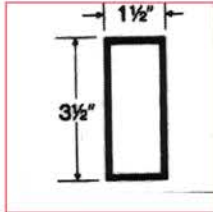
		DOOR LEAF WIDTH									
		SINGLE LEAF					DOUBLE LEAF				
DOOR LEAF HEIGHT		6'	7'	8'	9'	10'	12'	14'	16'	18'	20'
	8'	4	4	4	4	4	4*	4*	4*	6*	6*
	10'	5	5	5	5	5	5*	5*	7*	7*	7*
	12'	6	6	6	6	6	6*	8*	8*	8*	8*
	14'	7	7	7	7	7	9*	9*	9*	9*	9*
	16'	8	8	8	8	10	10*	10*	10*	10*	10*
	18'	9	9	9	11	11	11*	11*	11*	11*	11*
	20'	10	10	12	12	12	12*	12*	12*	12*	12*

### NOTE:

Shaded area requires 3 top horizontal with spacers.

\* Required per leaf

## #235 Steel Girt

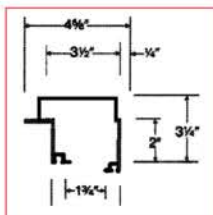


20 gauge galvanized steel. Can be used in place of wood horizontal girts to eliminate warping of door panels. Weight is 1.3 lbs/ft.

Part No.	Length	Part No.	Length
724864	6ft.	724860	14ft.
724866	8ft.	724861	16ft.
724868	10ft.	724870	18ft.
724869	12ft.	724862	20ft.

Contact factory for availability in odd lengths

## #394WS Bottom Rail

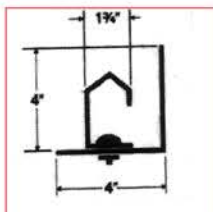


Attaches to wood bottom rail and allows use of continuous bottom guide. Weight is .121 lb./ft.

Part No.	Length	Part No.	Length
725167	8ft.	725171	16ft.
725168	10ft.	725172	18ft.
725169	12ft.	725173	20ft.
725170	14ft.		

Contact factory for availability in odd lengths

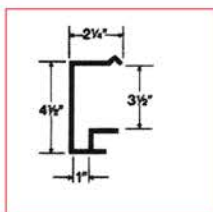
## Stay Guide II



Continuous guide system complete with brackets and fasteners, all galvanized steel construction. Use length closest to 60% of door panel width. Can be spliced to form longer lengths.

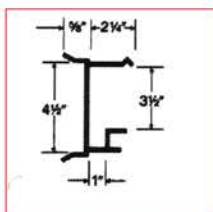
Part No.	Length	Shipping Wt.
724574	6ft.	11lbs.
724575	8ft.	13lbs.
724576	10ft.	15lbs.

## #391 Vertical Side Rail



Self-trimming with built-in J-channel. White only. Weight is .94 lb./ft.

## #396 Double Couple



Used in place of one #391 Side rail where double sliding doors meet. Eliminates gap between doors. White only. Weight is 1.02 lb./ft.

Part No.	Length	Part No.	Length
725147	8ft.	725155	16ft.
725149	10ft.	724669	18ft.
725151	12ft.	725333	20ft.
725153	14ft.		

Contact factory for availability in odd lengths



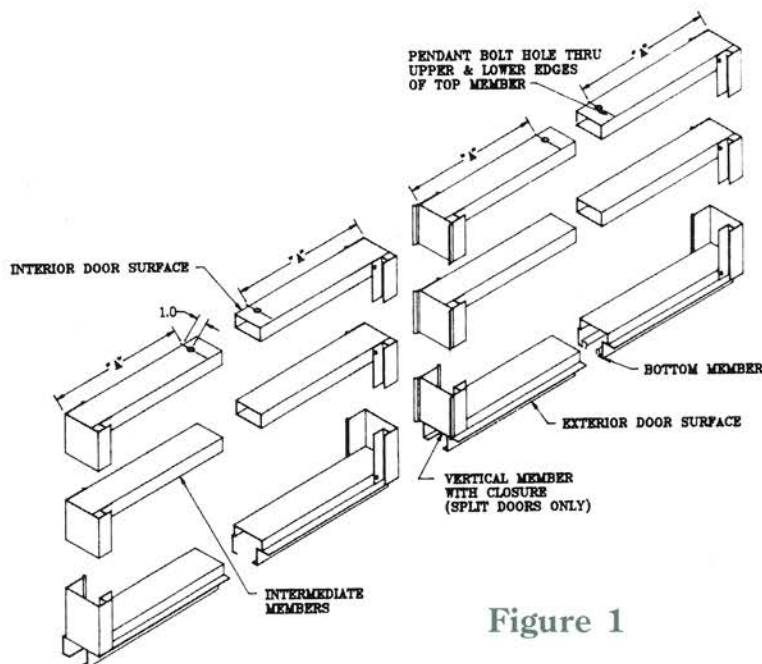


Figure 1

With the top, intermediate and bottom horizontals properly fitted and spaced in the verticals, secure the grid at each of the four corners using one (1) #8 self-drilling, self-tapping fastener. The fastener should be located in the extruded pilot groove as shown in Figure 3.

TROLLEY MOUNTING HOLE LOCATIONS

Door Leaf Width	6'	7'	8'	9'	10'	12'	14'	16'	18'	20'
Dim. "A"	1'	1'	1'	1'	1'	2'	2'	2'	2'	2'

Figure 2

### Square the Door Grid

After squaring, secure the grid with a second fastener at each of the four corners locating them as shown in Figure 4.

Carefully turn the door grid over, recheck for squareness, and repeat the fastening procedures.

Secure all intermediate horizontals with 4 screws/joints (2 per side) See Figure 4.

### Door Grid Assembly

Doors should be assembled in a flat area. The horizontals are to be equally spaced. The number required per door and spacing is shown in table. The inside face of the door frame should be assembled first.

After laying out the horizontal members, locate and drill two (2) 17/32 minimum diameter holes in the top horizontal. Locate each trolley hole at dimension "A" from the end and 1" from the inside face. See chart for recommended dimension "A".

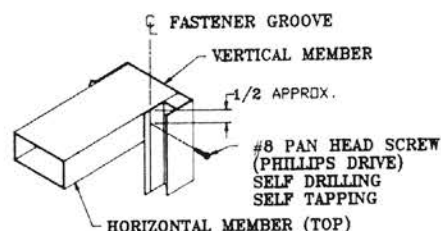


Figure 3

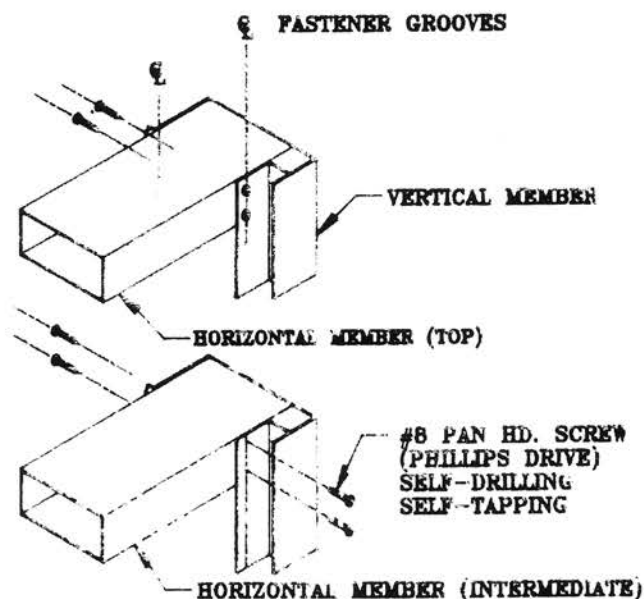


Figure 4

Note: If installing the optional 2" x 4" wood members simply drive nails through the extruded grooves.

Install the wood members in the same manner as described for the metal horizontal members. Refer to Figures 6 & 7.

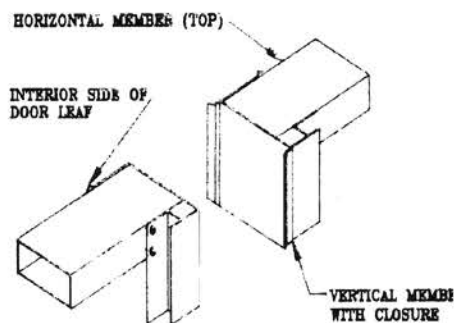


Figure 5

Apply sheeting per sheeting manufacturer's recommendations.

When sheeting door, the sheeting tucks between the built-in flashing and trip strip of the vertical members.

## Trolley Mounting Instructions

Insert the trolley mounting bolt into the door grid top horizontal. Install the trolleys and adjust the nuts on the pendant bolts until there is approximately one inch between the trolley bolt head and the door grid top horizontal Figure 8.

## INSTALL CANNONBALL TRACK PER SPECIFICATION SHEET

After hanging doors and adjusting to required height, insert sheet metal screws through the washered nuts into the horizontal member as shown in Figure 8. When using wood horizontals use a nail as shown in Figure 9. Adjust the offset pendant bolts so door hangs flush against side of building. Tighten the split lock nuts on the offset pendant bolts to lock trolleys in operating position.

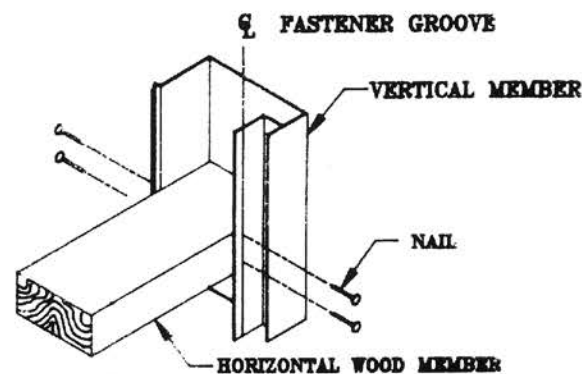


Figure 6

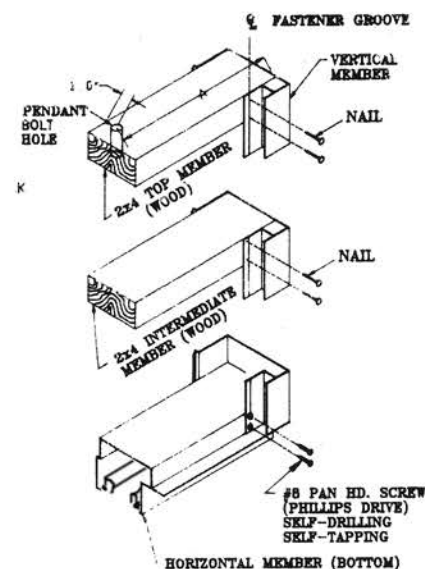


Figure 7

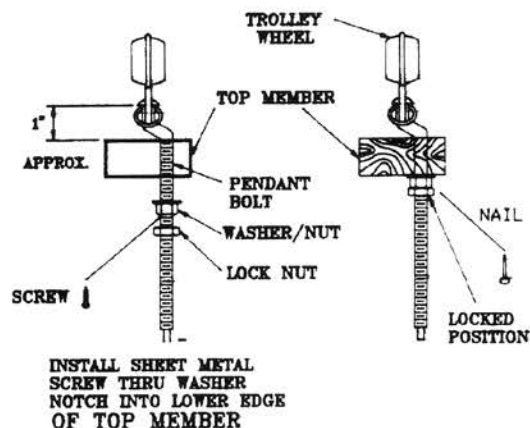


Figure 8

Figure 9



## Center Mounted Snugger

### For Wood Horizontals

Select a horizontal door member that is at a convenient height. Drill one  $\frac{9}{32}$ " diameter hole in the vertical door member (see Figure 10). Slip rod support on straight end of snugger rod and properly position assembly to determine proper location of rod support. Fasten rod support with 2 ring nails as shown.

Slip the larger link on the end of the chain over the snugger rod and insert snugger rod into the rod support. Secure the opposite end to vertical member using (1)  $\frac{1}{4}$ " fastener and nut as shown. Figure 10.

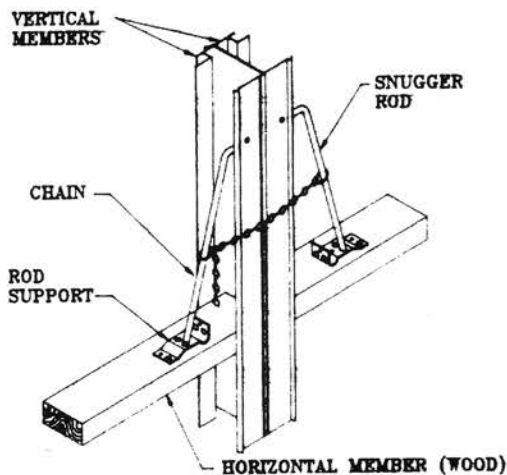


Figure 11

## Center Mounted Snugger

### For Metal Horizontals

Select a horizontal door member that is at a convenient height and drill one (1)  $\frac{17}{32}$ " diameter hole as shown. Next drill one (1)  $\frac{9}{32}$ " diameter hole in the vertical door member. Figure 12.

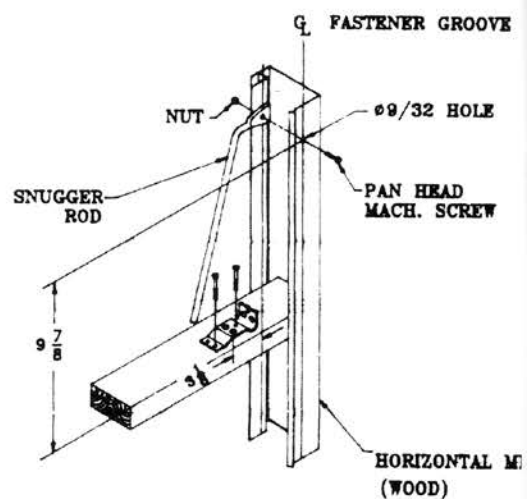


Figure 10

Install the second half of the snugger rod in the other door, following the above procedures except that no chain link is put on the rod.

Attach the "S" hook to the chain.

To latch the two doors together, merely hook the "S" hook onto the snugger rod as shown. The more the door rattles, the tighter the latch becomes. After making certain the "S" hook is in the proper link (latched chain should be about 6" from top of horizontal member), close the "S" hook slightly so it will not become detached from the chain. Figure 11.

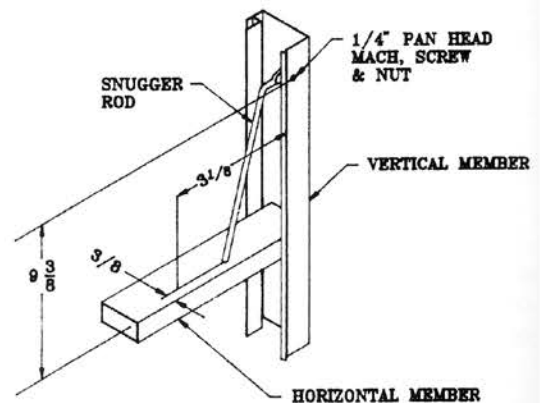


Figure 12

Slip the larger link on the end of the chain over the snugger rod, and insert snugger rod into the 17/32" hole in the horizontal door member. Secure opposite end of snugger rod to vertical member using one (1) 1/4" fastener and nut. Figure 13. Install the second half of the snugger rod in the other door, following the above procedure except that no chain link is put on the rod. Attach the "S" hook to the chain.

To latch the two doors together, merely hook the "S" hook onto the snugger rod as shown. The more the door rattles, the tighter the latch becomes. After making certain the "S" hook is in the proper link (latched chain should be about 6" from top of horizontal member), close the "S" hook slightly so it will not become detached from chain. Figure 13.

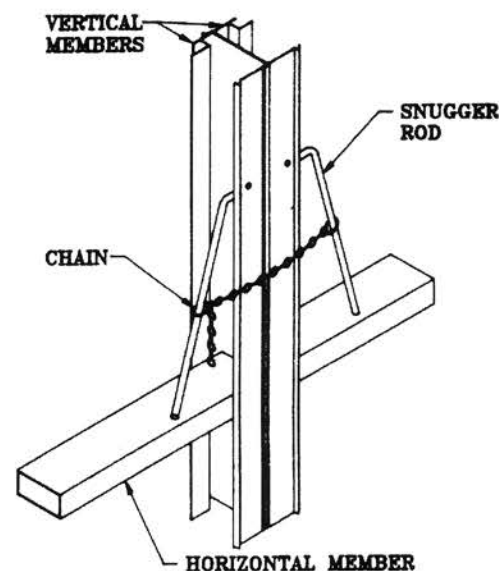


Figure 13

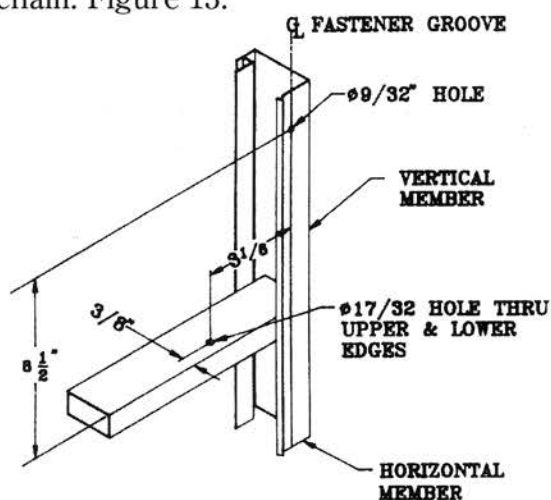


Figure 14

Insert snugger rod into the hole in the horizontal door member. Secure opposite end of the snugger rod to the vertical member using one (1) 1/4" fastener and nut as shown Figure 15.

### Side Mounted Snugger For Metal Horizontals

See pages 11 and 12 for other styles of side latches available. Select a horizontal door member that is at a convenient height and drill one (1) 17/32" diameter hole as shown. Next drill one (1) 9/32" diameter hole in the vertical door member. Refer to Figure 14 for hole location.

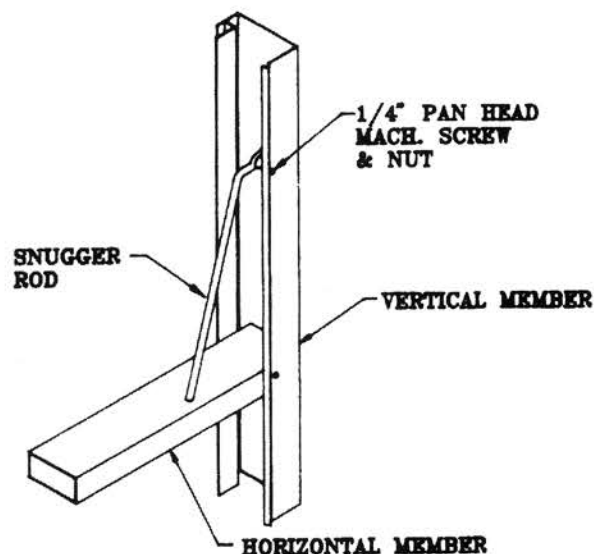


Figure 15



Before installing the second half of the snugger to the face of the door jamb, close the door. (Door must have a center stop, or otherwise held stationary.) Secure rod support "A" to door jamb so as to be level with the horizontal door member as shown in Figure 16. (Rod support fasteners are NOT supplied) Slip large link on the end of the chain over the rod and insert rod into rod support "A". Put rod support "B" on opposite end of rod. Offset rod support "B" 1.0" from rod support "A" as shown. Secure support "B" to door jamb.

After making certain the "S" hook is in the proper link (latched chain should be about 6" from top of horizontal member), close the "S" hook slightly so it will not become detached from chain.

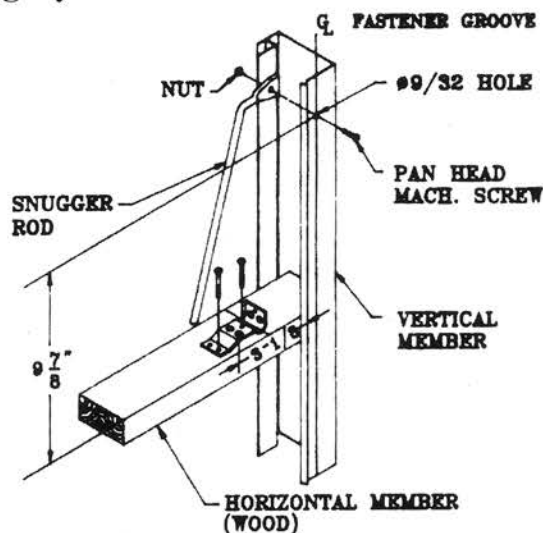


Figure 17

Before installing the second half of the snugger to the face of the door jamb, close the door. (Door must have a center stop, or otherwise held stationary.) Secure rod support "A" to door jamb so as to be level with the horizontal door member as shown in Figure 18. (Rod support fasteners are NOT supplied) Slip large link on the end of the chain over the rod and insert rod into rod support "A". Put rod support "B" on opposite end of rod. Offset rod support "B" 1.0" from rod support "A" as shown. Secure support "B" to door jamb.

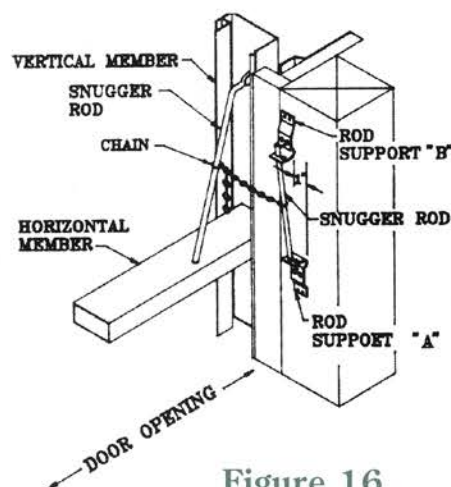


Figure 16

### Side Mounted Snugger For Wood Horizontals

See pages 11 and 12 for other styles of latches available. Select a horizontal door member that is at a convenient height and drill one (1) 9/32" diameter hole in the vertical door member. Refer to Figure 17 for hole location.

Slip rod support on straight end of snugger rod and properly position assembly to determine proper location of rod support. Fasten rod support with 2 ring nails as shown. Slip the large link on the end of the chain over the snugger rod and insert snugger rod into the rod support. Secure the opposite end to vertical member using (1) 1/4" fastener and nut as shown. Figure 17.

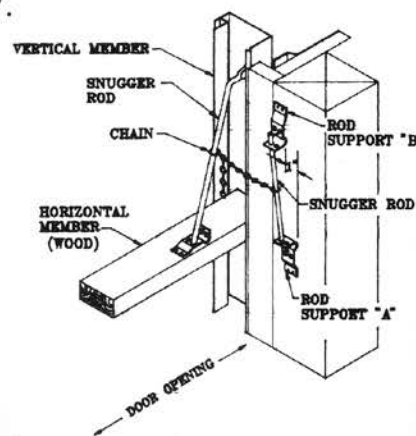


Figure 18

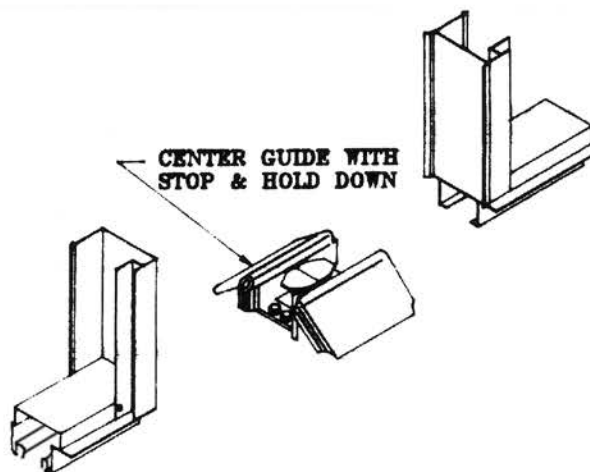


Figure 19

### Center Stop Assembly

Fasten one half of the guide with 3/8" lag bolts. Locate the "Z" stop on the center leg of the unfastened half as shown in Figure 20.

Secure half with lags. Finally attach "L" hold down to "Z" with 3/8" carriage bolts as shown in Figure 21.

After the guide is in place, adjustment is possible through the vertical adjustment on the door trolleys. This adjustment should be used only after the center guide is rigidly in place.

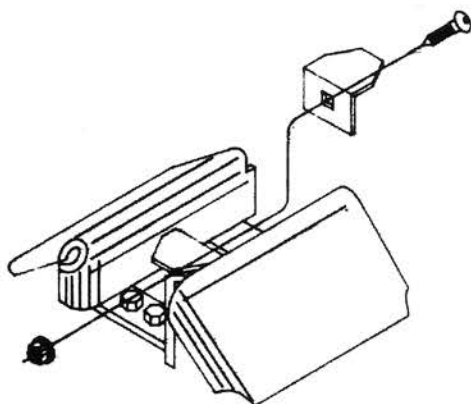


Figure 21

After making certain the "S" hook is in the proper link (latched chain should be about 6" from top of horizontal member), close the "S" hook slightly so it will not become detached from chain. Figure 18.

### Center Door Guide and Stop

Center guide and stop may be mounted to a 6" x 6" P.T. post or imbedded in concrete. Fasteners for mounting center guide are NOT included.

Locate guide at the center point of door opening, the door leafs to engage as shown in bottom horizontal.

Note: For proper closure each bottom horizontal should be cut or notched 1/16" short for the center verticals to compensate for the center stop thickness.

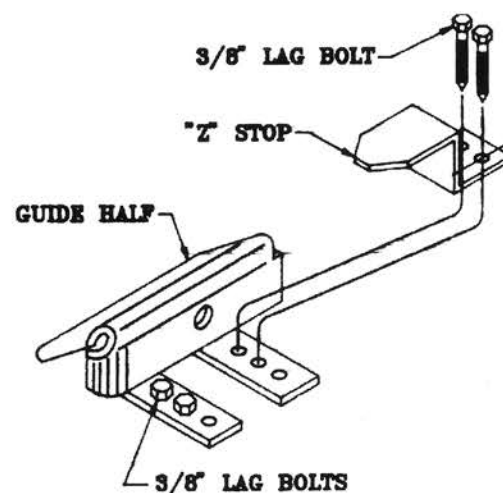


Figure 20



## Stay Guide II Installation

### Installation Instructions

With sliding door panel in open position, make a pencil line on face of building at very bottom edge of door. Slide door to closed position. Turn guide rail upside down so that slots are visible. Line up one end of rail with edge of door opening and mark slot locations on wall, 1 inch above pencil line (See Figure 22.) Use alternate slot location in case bracket interferes with siding rib. Install wall brackets with lag screws provided. (See Figure 23.) Make sure nailer holes are in vertical leg of bracket.

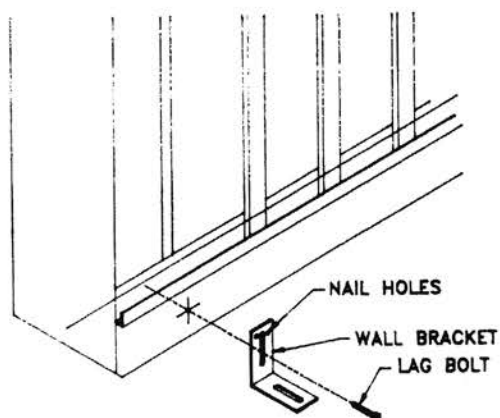


Figure 23

### End Stop and Hold-Down Bracket

Assemble end stop and hold down bracket to wall bracket as shown in Figure 25. Do NOT tighten hardware.

With door in closed position, locate wall bracket flush with door opening as shown in Figure 25. Note: Additional blocking may be required behind wall bracket to provide a flat mounting surface.

Attach wall bracket to building wall with lag bolt and nails similar to guide rail. Tighten flange nut AFTER final adjustment. See Figure 25.

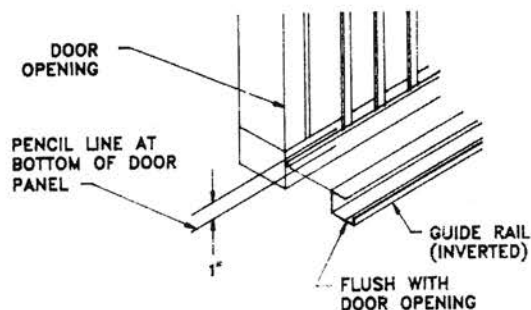


Figure 22

Bolt guide rail to brackets, finger tight, with carriage bolts and lock nuts. (See Figure 24.)

Make final adjustments by opening door and checking clearances. Tighten all bolts and nails through holes provided in brackets.

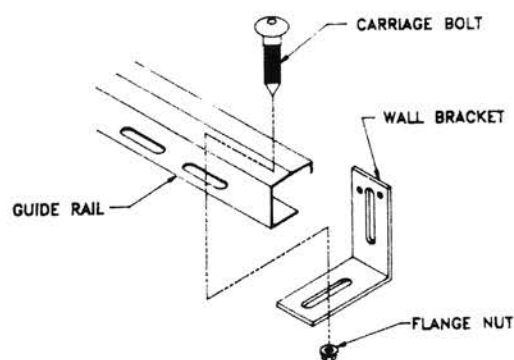


Figure 24

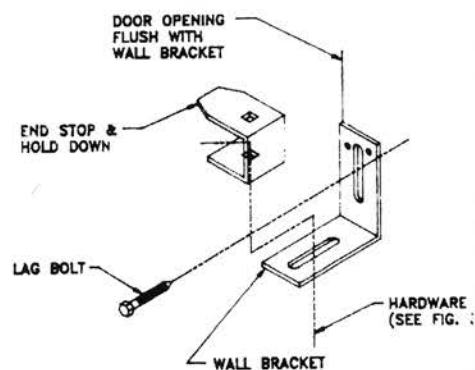
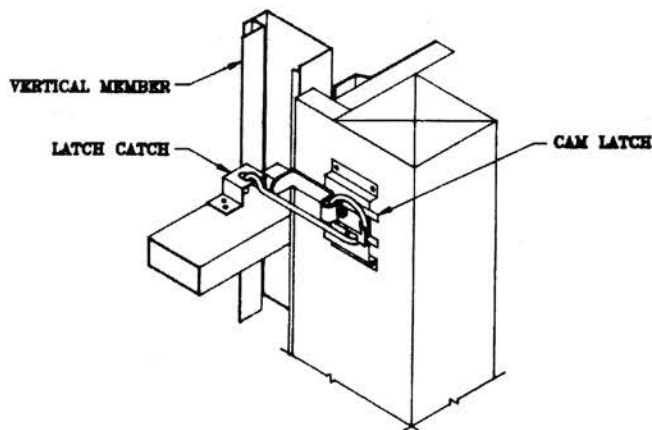


Figure 25





**Figure 26**

## **Side Mounted Cam Latch**

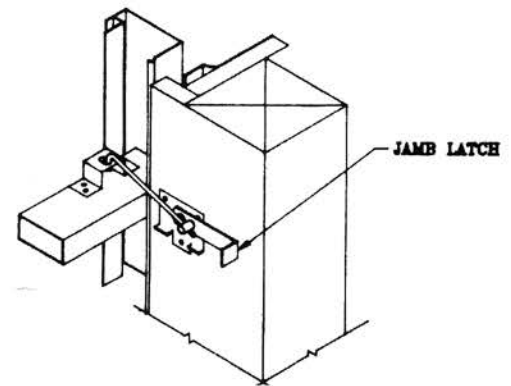
### **For Metal Horizontals**

Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the two legs toward the front of the door. Keep slot for hook in line with hook on latch. See Figure 26. Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb, keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up mount latch with end of hook in hole on the latch catch. Pull handle down toward door to secure door tight to jamb. Cam latch can be mounted either right or left handed, just remove nut and turn hook over and re-attach the nut. (This needs to be done before mounting to door jamb.)

## **Side Mounted Jamb Latch**

### **For Metal Horizontals**

Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the two legs toward the front of the door. Keep slot for hook in line with hook on latch. See Figure 27. Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb, keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up or a little toward sliding door, mount latch with end of hook in hole on the latch catch. Pull handle back toward interior of the building and down to secure door tight to jamb. hook is threaded so that it can be easily adjusted. Reverse hook on body of latch to change from R.H. or L.H.



**Figure 27**

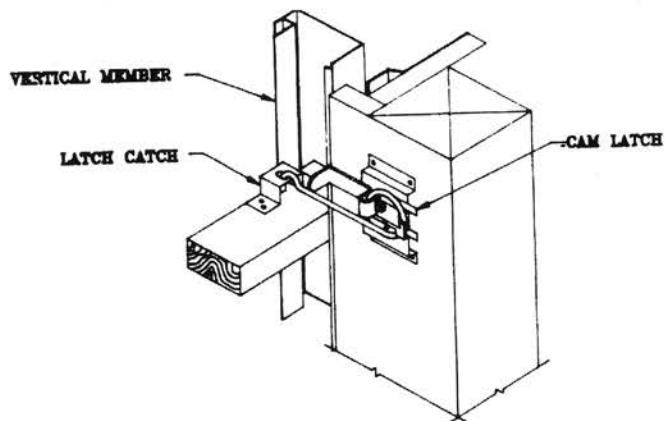


Figure 28

### Side Mounted Jamb Latch For Wood Horizontals

Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the two legs toward the front of the door. Keep slot for hook in line with hook on latch. See Figure 29. Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb, keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up or a little toward sliding door, mount latch with end of hook in hole on the latch catch. Pull handle back toward interior of the building and down to secure door tight to jamb. Hook is threaded so that it can be easily adjusted. Reverse hook on body of latch to change from R.H. or L.H.

### Side Mounted Cam Latch For Wood Horizontals

Select a horizontal door member that is at a convenient height. Align edge of vertical member with door jamb surface. Mount latch catch with the two legs toward the front of the door. Keep slot for hook in line with hook on latch. See Figure 28. Latch catch should be installed prior to applying steel rib to sliding door frames. Attach main body of latch to door jamb, keeping latch hook parallel to top of latch catch mounted on the horizontal. With latch handle straight up mount latch with end of hook in hole on the latch catch. Pull handle down toward door to secure door tight to jamb. Cam latch can be mounted either right or left handed, just remove nut and turn hook over and re-attach the nut. (This needs to be done before mounting to door jamb.)

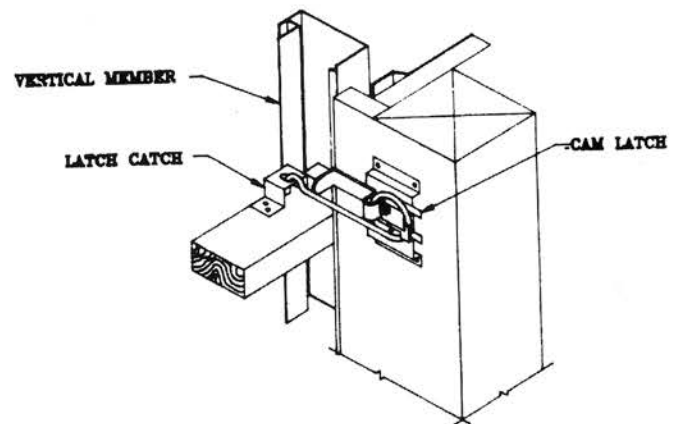


Figure 29



# NEW BOTTOM RAIL

Seals better than ever!



725586 Side Rail  
Vinyl Seal

500905 Bottom Rail  
Vinyl Seal

500904 Bottom Rail  
Brush Seal



- Provides weather protection
- Can be used with stay rollers or guide system
- White or brown standard on the 244WS
- White standard on the 394WS
- Special colors upon request

Available in Bigg and Kwik Frame

Brush Seal, Vinyl Seal or Interchangeable



CNB-BF-BK001

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