



Series 3100
Mid Rail Vertical Rod
Exit Devices

www.firstchoicebuildingproducts.com

Ph: (800)793-4544

Prepare door as per template on page 8.

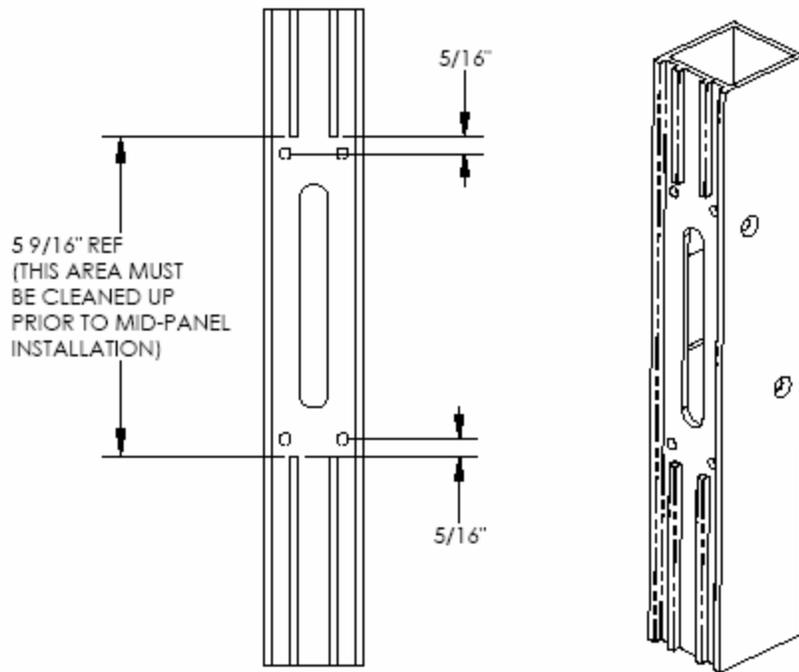
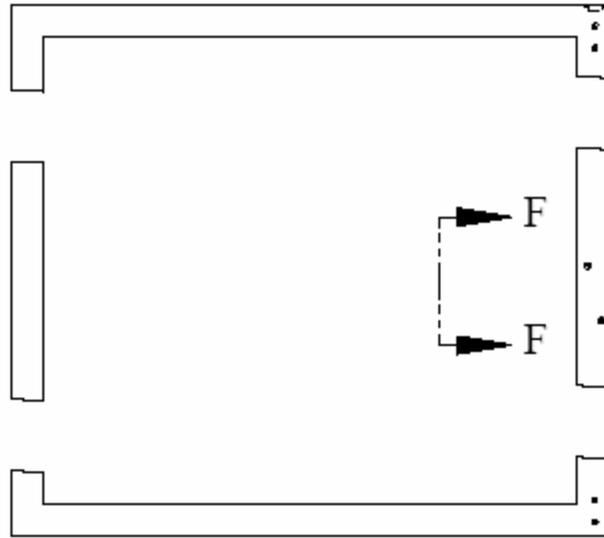
Muntin Channel Installation

Mount MP011 and MP012 Mounting Clips onto each vertical stile using four 1/4-20 x 2" FHCS screws.



With the door stiles loose or unassembled, insert the MP010M Muntin Channel between the stiles and over the mounting clips. Then finish door assembly and tighten.

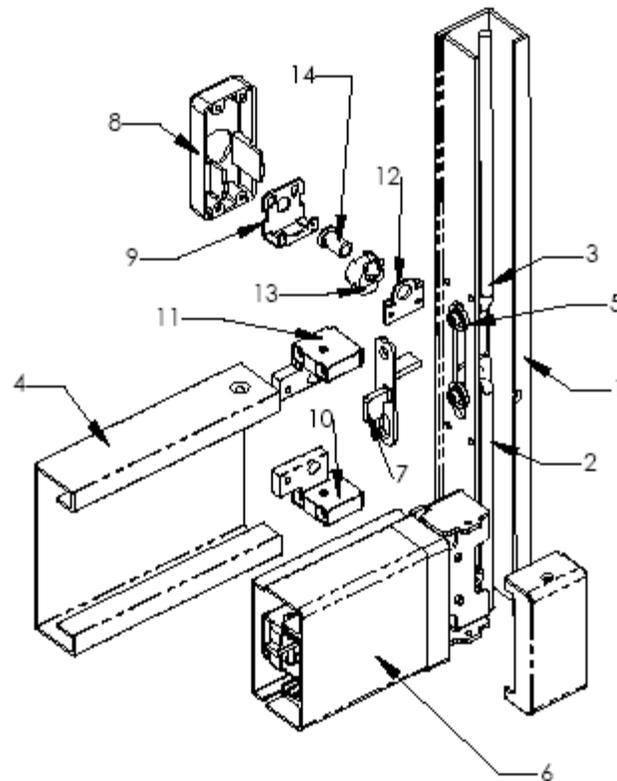
Set screws are provided to further tighten muntin channel if needed. Use caution, do not over-tighten set screws.



VIEW F-F

MID PANEL MOUNTING ASSEMBLY

MP050



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	MP023	DOOR
2	1	MP033	BOTTOM ROD ASSEMBLY
3	1	MP032	TOP ROD ASSEMBLY
4	1	MP010-M	MUNTIN (MACHINED)
5	2	MM_810	BUSHING
6	1	MP051	EXIT DEVICE ASSY
7	1	MP019L	TRAVELER (LEFT HAND)
8	1	MP021	KEY CYLINDER COVER
9	1	MP022	KEY CYLINDER RETAINER
10	2	MP012	MUNTIN BLOCK 2
11	2	MP011	MUNTIN BLOCK 1
12	1	MP024	CAM SUPPORT PLATE
13	1	MP025X	KEY CYL. DOGGING CAM
14	1	MP028	KEY CYLINDER ACTUATOR

TO INSTALL VERTICAL ROD LATCHES

(Rods are factory preset for door height of 83 3/16" and a cylinder location of 41 5/16")



Install top latch mechanism using 2 ea. #10-32x1/4" screws.

Affix bent end of rod to door through opening on inside of active stile using rod bushing with "E" ring.



INSTALL BOTTOM ROD ASSEMBLY IN THE SAME MANNER AS ABOVE.

Installation of activating device.

Install appropriate hand MP019 Traveler over ends of vertical rods.



Insert activating assembly, active side first, into muntin channel. Be sure to capture the traveler over the crank. The crank bracket mounting screw should seat into the mounting clips on the active side to assure proper spacing.



Attach the activating assembly to the mounting clips using four 1/4-20 x 1/2" PHMS and lock washers.

Installing end caps.

Install MP018 End Cap on lock stile side. two 10-32 x 3/8" TFS machine screws. Repeat on hinge stile side.



FOR DEVICES WITH KEY CYLINDER

Prepare doors with cylinder holes as per template on page 8.

Install key cylinder into the MP021 Cylinder Mounting Assembly using mounting screws supplied with the cylinder. (The screws may need to be shortened.)



Mount MP021 Cylinder Mounting Assembly to active stile using two 1/4-20 x 2" PHMS.



Setting Night Latch or Hold Back Function
Remove MP024 Cam Support Plate rotate cylinder drive cam as per below. Re-install support plate



(SETTING FOR NIGHT LATCH)



(SETTING FOR HOLD BACK)

CHECK ROD OPERATION



After dogging the device —

When tripped by hand, **the top latch** should swing freely through it's travel.

If not completely free, lengthen the top rod by loosening the jamb nut and rotating the rod counter-clockwise.

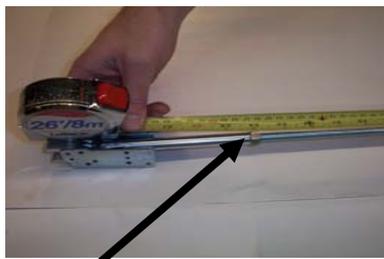
The **bottom latch** should protrude 1/16" or less beyond the bottom of the door.

To shorten the bottom rod, loosen the jamb nut and rotate the rod clockwise.

After un-dogging the device —

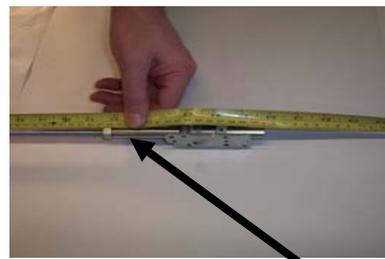
The top latch should **not** trip when operated by hand. If hand pressure can trip the latch, shorten the rod by loosening the jamb nut and rotating the rod clock-wise.

NOTE—The bottom rod may require adjustment to accommodate changes to the top rod.



34-3/8"

The top rod is factory set to 34-3/8" measured from the bent end to the latch side of the jamb nut.

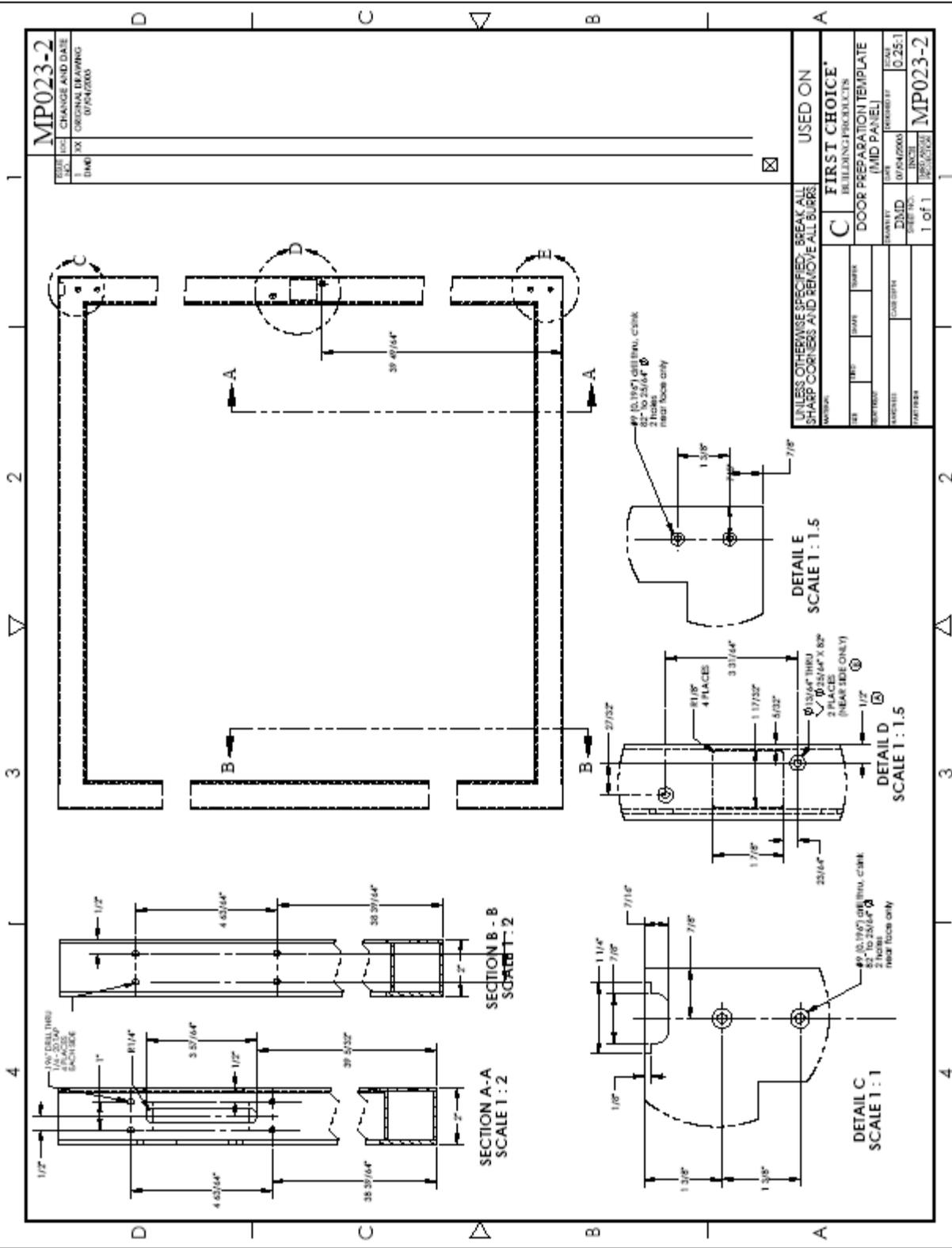


34-7/32"

The bottom rod is factory set to 34-7/32" measured from the bent end to the latch side of jamb of jamb nut.

MP023-2

DATE	BY	CHANGE AND DATE
1	DK	ORIGINAL DRAWING 07/04/2000
DWG		



USED ON	
<input checked="" type="checkbox"/>	BEILING PRODUCTS
<input type="checkbox"/>	DOOR PREPARATION TEMPLATE (MID PANEL)
<input type="checkbox"/>	DOOR PREPARATION TEMPLATE (MID PANEL)
DATE	REVISION
07/04/2000	0.25:1
DWG	DWG
1 of 1	MP023-2