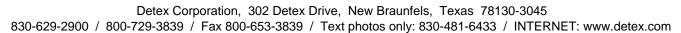




С



#### **INSTALLATION INSTRUCTIONS FOR H90R/H90R5 MULLION**

Drawing: 106080

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Mark center of door opening	4
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Position mullion	6
Install base fitting	7
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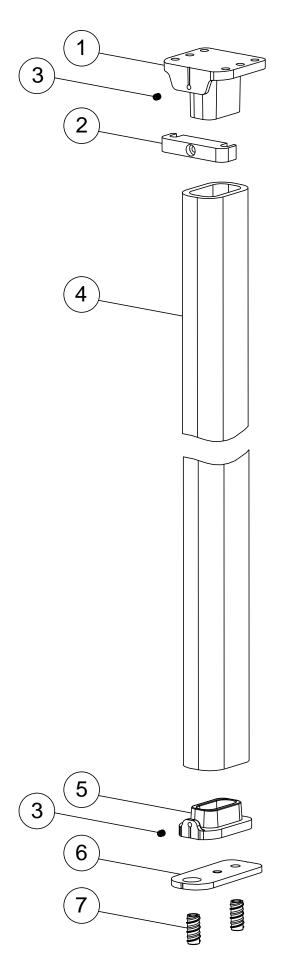
Should you have a Question/Problem with your Detex device please call Detex Technical Support from the job site at 1-800-729-3839 and choose option 2 on our menu. Please do not return the product to the distributor.

For WARRANTY information, scan code below or go to www.detex.com/warranty

For device installation videos, scan code below or go to www.detex.com/videos







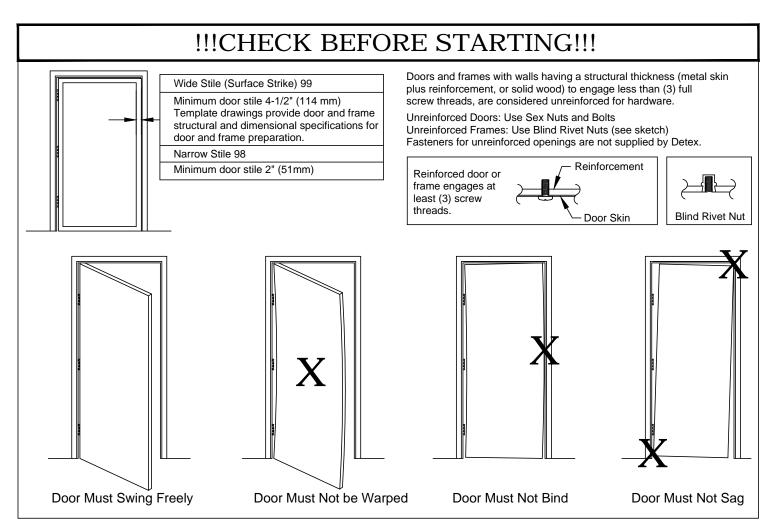
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Item	Part No	Description	
1	106079	Top fitting, Hurricane Mullion, H90R5	
	106092	Top fitting, Hurricane Mullion, H90R	
2	106074	Frame spacer block,	
3	106087	Set screw, 1/4-20 x 5/16, SS	
4	106075-1	Mullion Channel, H90R5 7 foot	
	106075-4	Mullion Channel, H90R5 7 foot, 230X prep	
	106076-1	Mullion Channel, H90R 7 foot	
	106076-2	Mullion Channel, H90R 8 foot	
5	106078	Base fitting, Hurricane Mullion, H90R5	
	106091	Base fitting, Hurricane Mullion, H90R	
6	106093	Mullion base affixment plate	
7	106071-2	Concrete floor anchor, 3/8 diameter	

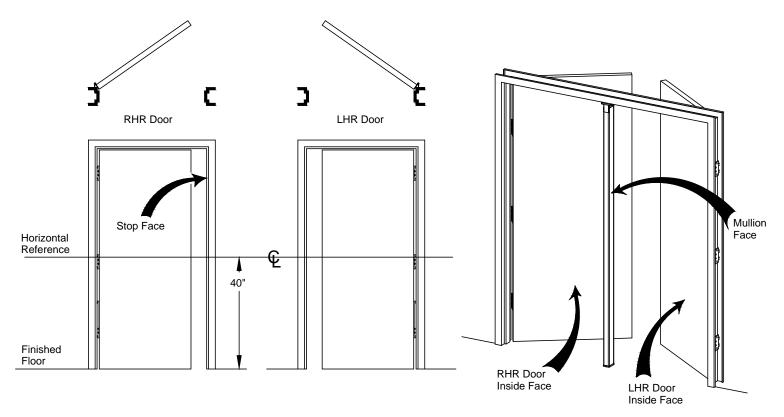
Fastener Table				
Screw style	Description	Used on		
	5/16-18 X 1" PFHMS P/N 106096	Top fitting		
	5/16-18 X 1-1/2" PFHMS P/N 101147	Top fitting and frame spacer block		
	1/4-20 X 1" PPHMS P/N 100980	Frame spacer block		
	10-24 X 5/8" PFHUMS P/N 100112	Strike hook (If ordered)		
5/16	3/8-16 X 1-1/2" SOCKET CAP HEAD MS P/N 106072-9	Base fitting		
5/16	3/8-16 X 3/4" SOCKET CAP HEAD MS P/N 106072-3	Base fitting		
7/32	3/8-16 X 1" SOCKET FLAT HEAD MS P/N 106094-5	Base fitting		
	3/8 FLAT WASHER P/N PP-5063-37 3/8 LOCK WASHER P/N PP-5067-37	Base fitting		
1/4	3/8 x 1-1/4 ANCHOR Drill Bit Diameter: 1/2 Minimum Hole Depth: 2" P/N 106071-2	Base fitting		

## Tools Required:

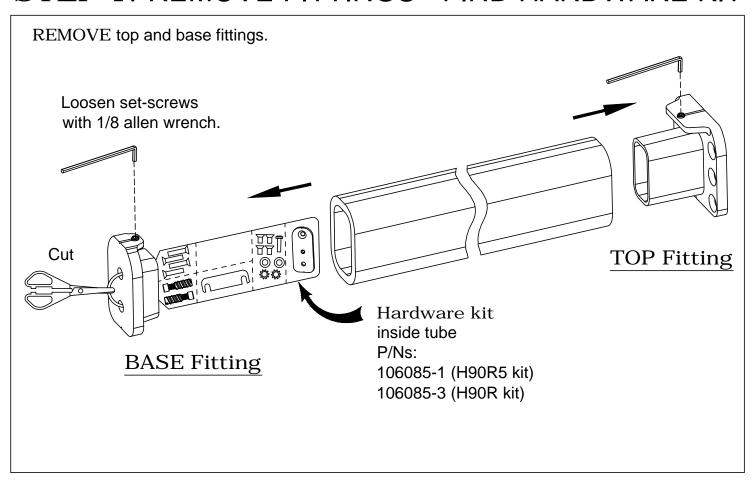
Power Drill Level Hammer Tape Measure Safety Glasses Pencil Combination Square Center Punch Allen Wrenches (1/8", 7/32, 1/4, 5/16) Phillips Screw Drivers (#2 and #3) Tap Wrenches (1/4-20 & 5/16-18)



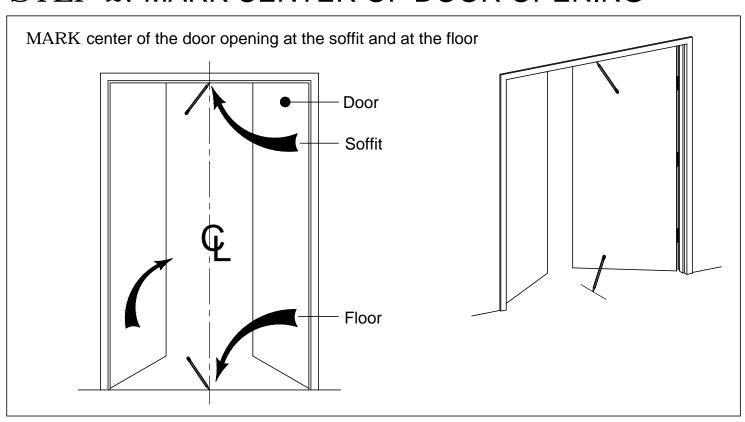
NOTE: 750mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 36" DEVICE
1000mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 48" DEVICE
THE SAFETY FEATURES OF THIS PRODUCT ARE ESSENTIAL TO IT'S COMPLIANCE WITH EN 1125.
NO MODIFICATION OF ANY KIND, OTHER THAN THOSE DESCRIBED IN THESE INSTRUCTIONS ARE PERMITTED.



# STEP 1: REMOVE FITTINGS - FIND HARDWARE KIT

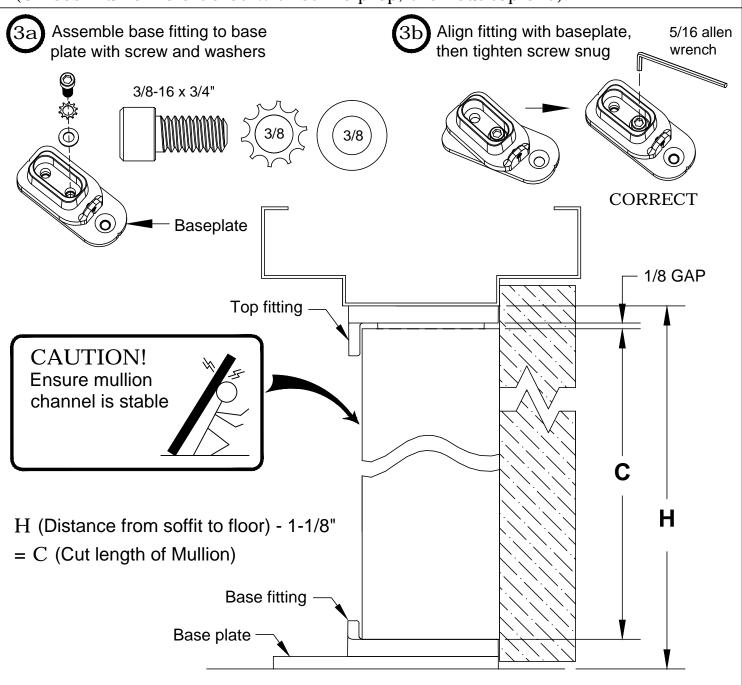


### STEP 2: MARK CENTER OF DOOR OPENING



# STEP 3: TRIAL FIT MULLION & CUT (IF NECESSARY)

If mullion requires cutting, position cut end to the bottom (Unless mullion is ordered with strike prep, then cut top end).

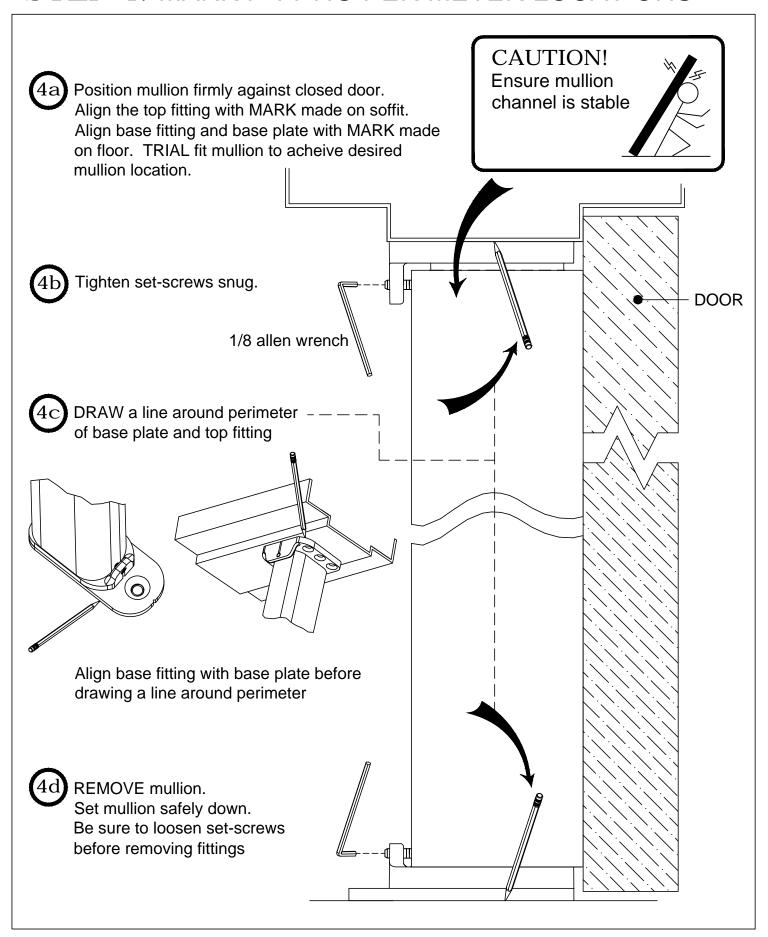


Close doors firmly and trial fit the mullion.

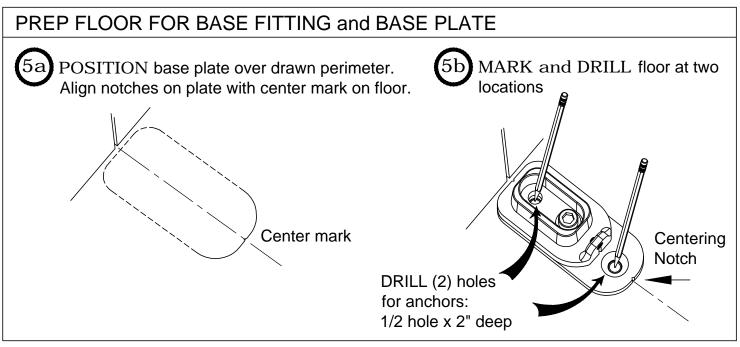
- 1. Assemble base fitting to base plate with screw and washers.
- 2. Place the top fitting into mullion channel; place the mullion channel into the base fitting and base plate, then pivot the top upward into place.
- **3.** <u>If mullion channel is too long,</u> measure the distance from the soffit to the floor. Subtract 1-1/8" from this measurement. Mark and cut the mullion channel to new length.

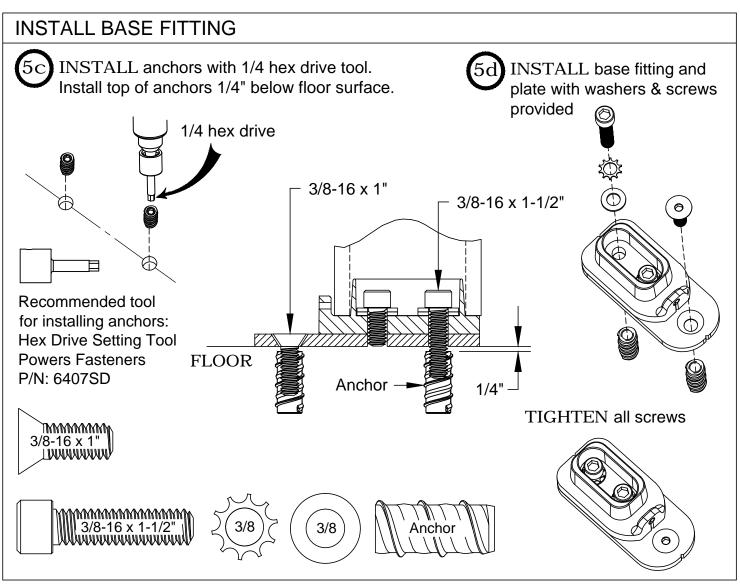
NOTE: If there is a threshold, be sure to CUT the threshold so that the base fitting is resting on the secured non-flammable flooring.

### STEP 4: MARK FITTING PERIMETER LOCATIONS



## STEP 5: INSTALL BASE FITTING and BASE PLATE



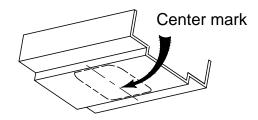


### STEP 6: INSTALL TOP FITTING

#### PREP FRAME FOR TOP FITTING

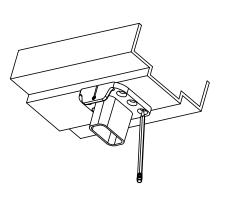


POSITION top fitting over drawn perimeter. Align notches on fitting with center mark on soffit.

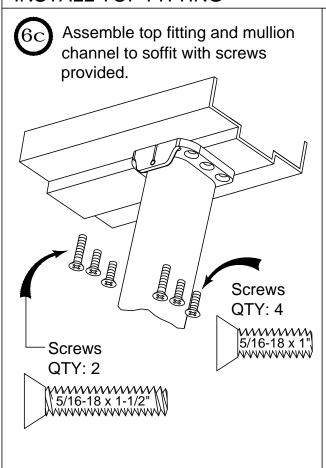


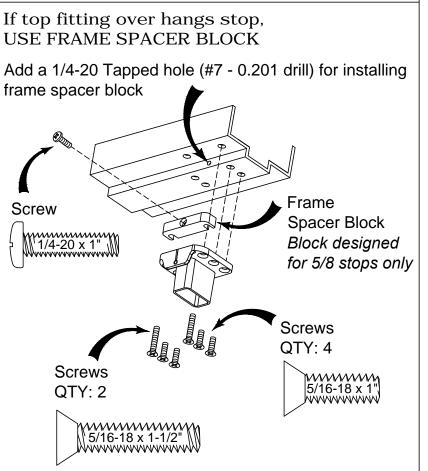
6b

MARK, DRILL, and TAP the soffit at six (6) hole locations. Tap holes with 5/16"-18 tap (#F - 0.257 drill).

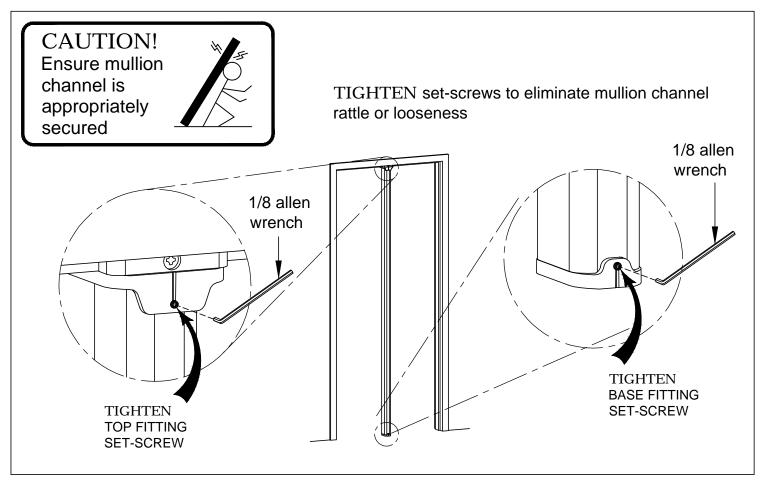


#### **INSTALL TOP FITTING**

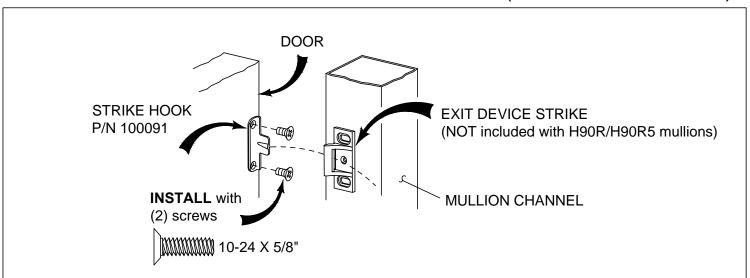




### STEP 7: SECURE MULLION



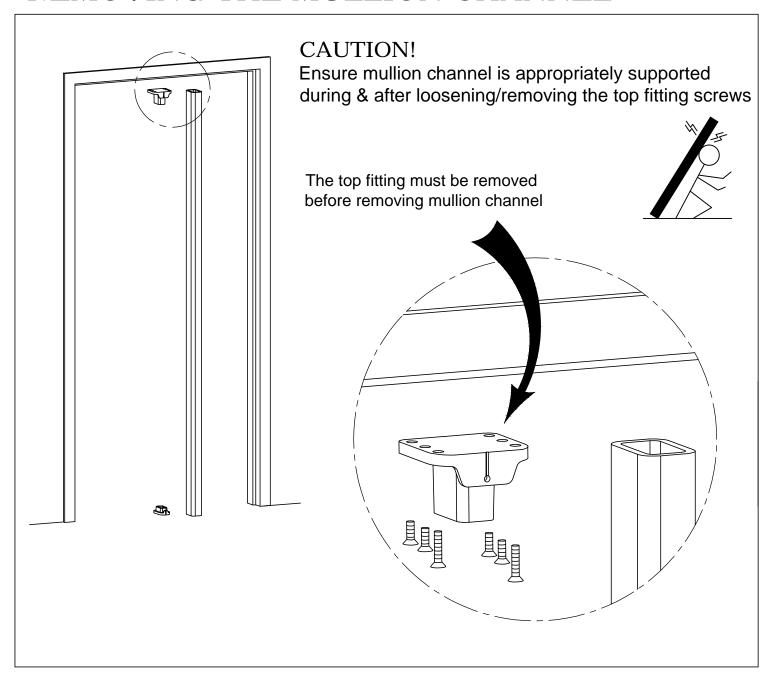
# STEP 8: INSTALL STRIKE HOOKS (FIRE RATED ONLY)



Attach the strikes to the side of the mullion according to the template provided with the locking device to be used.

Attach one strike hook per door leaf according to the template provided with the locking device to be used. Ensure that the strike hook engages the strike without interference to the latching mechanism. Open and close the door. The strike hook should not cause friction or bind during the opening and closing cycles of the door.

## REMOVING THE MULLION CHANNEL



### TROUBLE SHOOTING

- 1. If Mullion channel is too long:
  - a) See Step 3 for cutting the mullion channel to correct length.
- 2. Mullion channel rattles after door is closed:
  - a) Tighten set-screws in top and base fittings (See Step 7).
  - b) Verify base and top fittings are secured. Tighten screws as needed.

Customer Service 1-800-729-3839