PD21-M-RIM

INSERT INSTRUCTIONS

The Command Access PD21-M-RIM is our Narrow Stile Grade 1 exit device. It comes with motorized latch retraction utilizing our PTS “Push to Set” technology.

A.

B.

C.

D.

E.

F.

KIT INCLUDES

A. PD21-M RIM EXIT DEVICE
B. END CAP
C. STRIKE PACK
D. HARDWARE PACK
E. 50944 - MM4S SOCKET LEAD
F. 50030 - 8’ POWER LEAD

TOOLS REQUIRED

- #2 PHILLIPS HEAD SCREWDRIVER
- CORDLESS DRILL/DRIVER
- 24VDC PORTABLE SOURCE FOR TESTING
- TAPE MEASURE
- ASSORTED DRILL BITS
- LEVEL

SPECIFICATIONS

- Input Voltage: 24VDC +/- 10%
- Wire gauge: Minimum 18 gauge
- Direct wire run - no relays or access control units in-between power supply & module

STANDARD TORQUE MODE

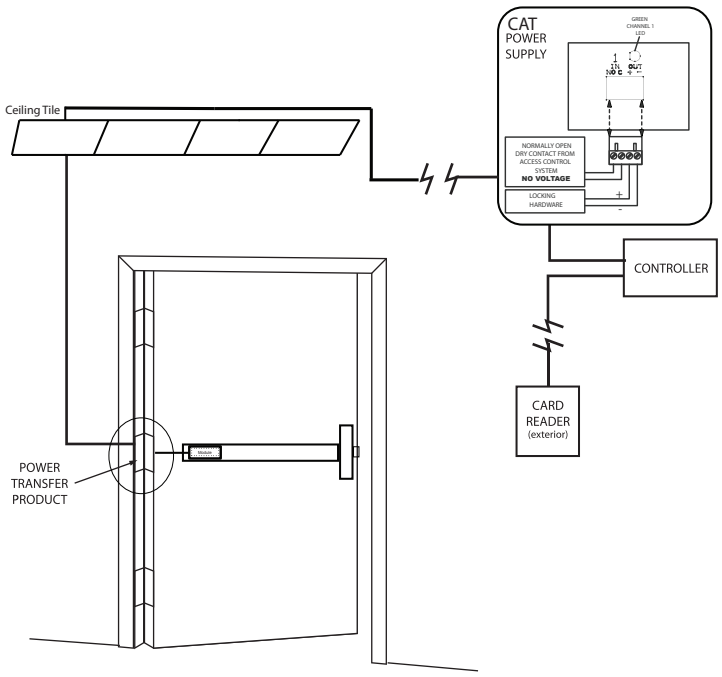
Average Latch Retraction Current: 900 mA
Average Holding Current: 215 mA

HIGH TORQUE MODE

Average Latch Retraction Current: 2 Amp
Average Holding Current: 250 mA

RECOMMENDED POWER SUPPLIES:

All Command Access exit devices & field installable kits have been thoroughly cycle tested with Command Access power supplies at our factory. If you plan on using a non-Command power supply it must be a filtered & regulated linear power supply.



SCAN ME FOR
MORE INFORMATION

SETTING PTS

IMPORTANT INFO

MAKE SURE TO SET PTS BEFORE FINISHING INSTALLATION

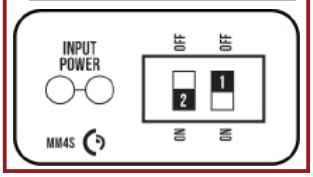
STEP 1 - Select your preferred torque mode (ships in standard torque). Press the device push pad to the desired setting. (We recommend to fully depress and release 5%, giving the device room for changing door conditions.)

STEP 2 - While depressing the push pad, apply power. (i.e. presenting the credential to the reader).

STEP 3 - Continue to keep the pad depressed, the device will beep 6 times. After the beeps have stopped, release the pad and the adjustment is now complete. If not to your liking repeat the 3 steps.

MM4S SWITCHES

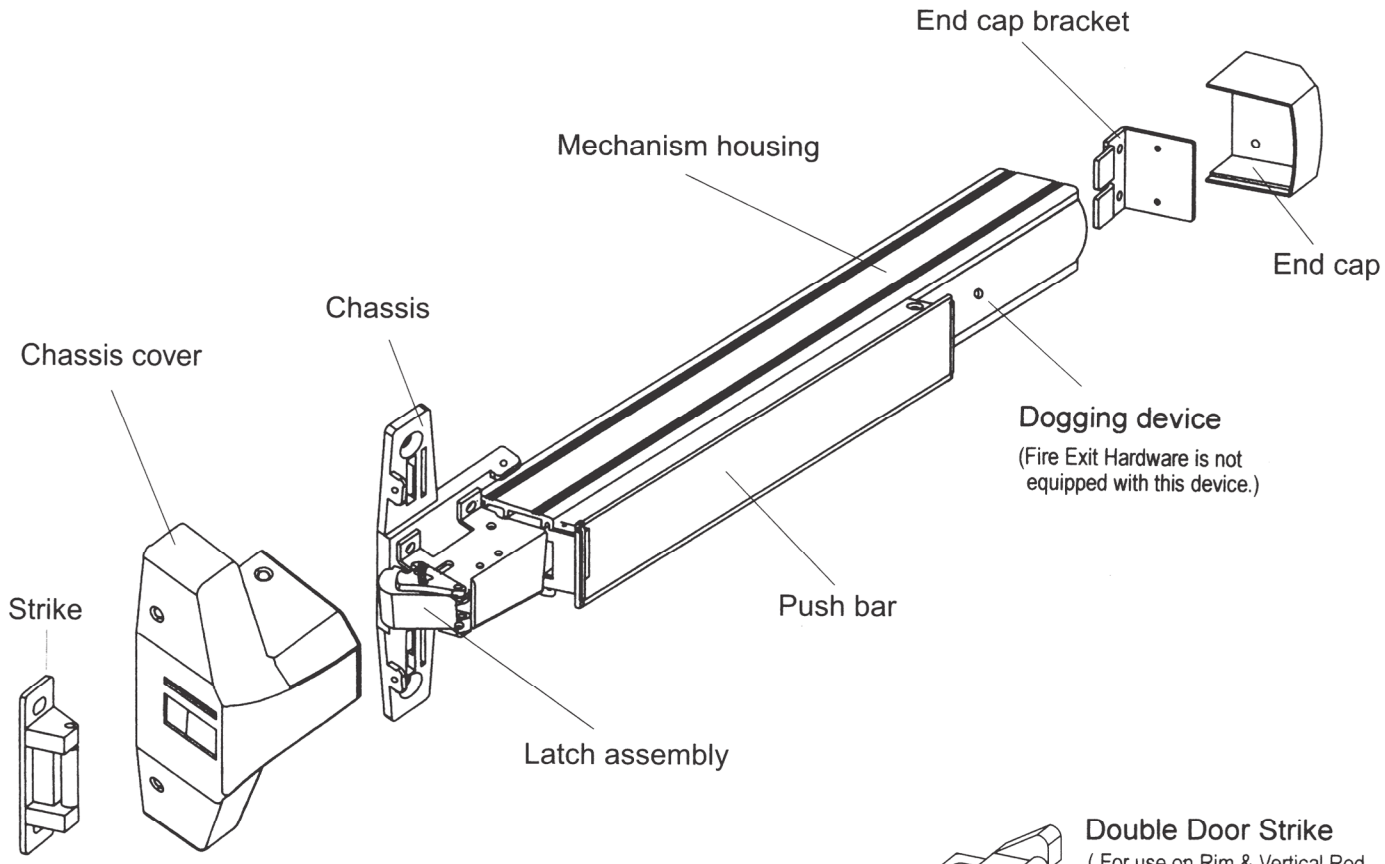
1	OFF	STANDARD TORQUE
	ON	HIGH TORQUE
2	ON	PTS PROGRAMMING ON
	OFF	PTS PROGRAMMING OFF

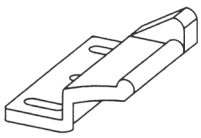


TROUBLESHOOTING & DIAGNOSTICS

BEEPS	EXPLANATION	SOLUTION
2 Beeps	Over Voltage	> 30V unit will shut down. Check voltage & adjust to 24 V.
3 Beeps	Under Voltage	< 20V unit will shut down. Check voltage & adjust to 24 V.
4 Beeps	Failed Sensor	Verify all 3 sensor wires are installed correctly. Replace sensor if problem persists by contacting office.
5 Beeps	Retraction or dogging failure	After 1st fail: 5 beeps then immediately attempts to retract again. After 2nd fail: 5 beeps with pause in-between for 30 seconds then device attempts to retract again. After 3rd fail: 5 beeps every 7 minutes, device will not attempt to retract. To Reset: Depress bar for 5 seconds at any time.
6 Beeps	**PUSH TO SET**	Device is recording it's new position and power mode after the 6th beep.

A. DESIGNATION OF PARTS

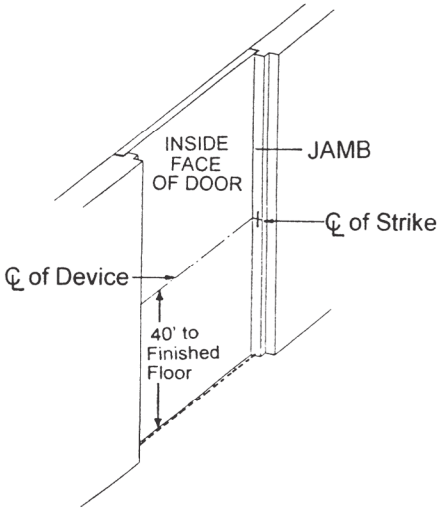




Double Door Strike
(For use on Rim & Vertical Rod Combination Exit Devices)
- not included parts, to order separately.

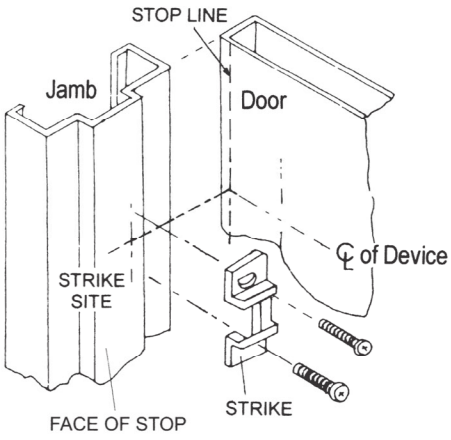
B. MARK POSITION FOR INSTALLING

1. Mark the center line of device by drawing a line across the door and stop 40" above finished floor as shown at right.
2. Fold or tape template and align center lines on template with center lines on door then mark position of mounting holes for Latch Assembly.
3. Move template up against stop then mark two mounting holes for Strike.
4. Drill holes as marked on door and jamb or mullion.



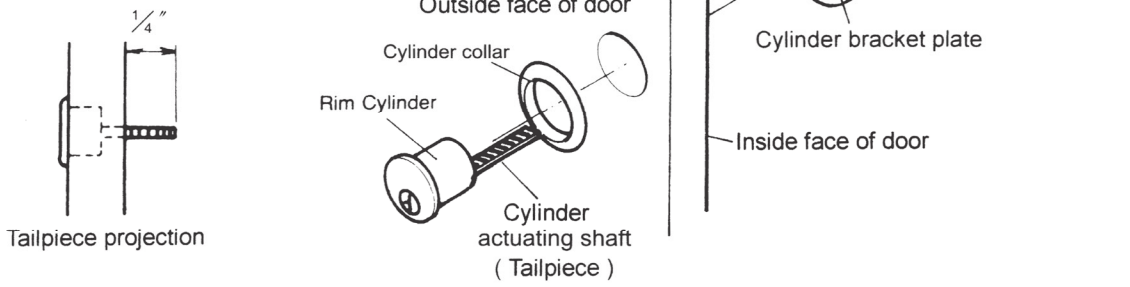
C. INSTALL STRIKE TO FRAME

1. Place strike to the drilled position and tighten it to jamb or mullion by supplied screws.
2. In case installing with a vertical rod device for a pair of doors, an additional Double Door Strike must be used to replace standard strike provided.



D. IF CYLINDER INCLUDED WITH THE DEVICE

1. Drill one 1-3/16" diameter thru hole for the cylinder / bracket plate.
2. Insert cylinder and cylinder collar from outside of the door.
3. Place bracket plate on inside face of the door.
4. Put two cylinder mounting screws thru the bracket plate and into cylinder.
5. Cut the cylinder mounting screws and tailpiece to the required door thickness at break-off points, then fasten screws.

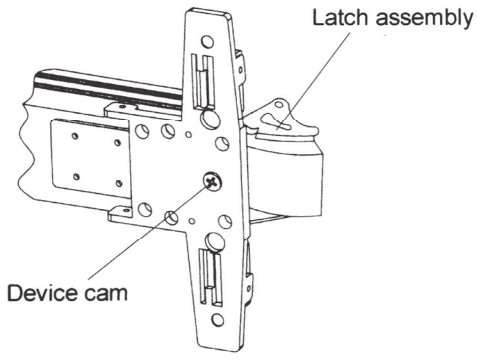


E. INSTALL OUTSIDE TRIM

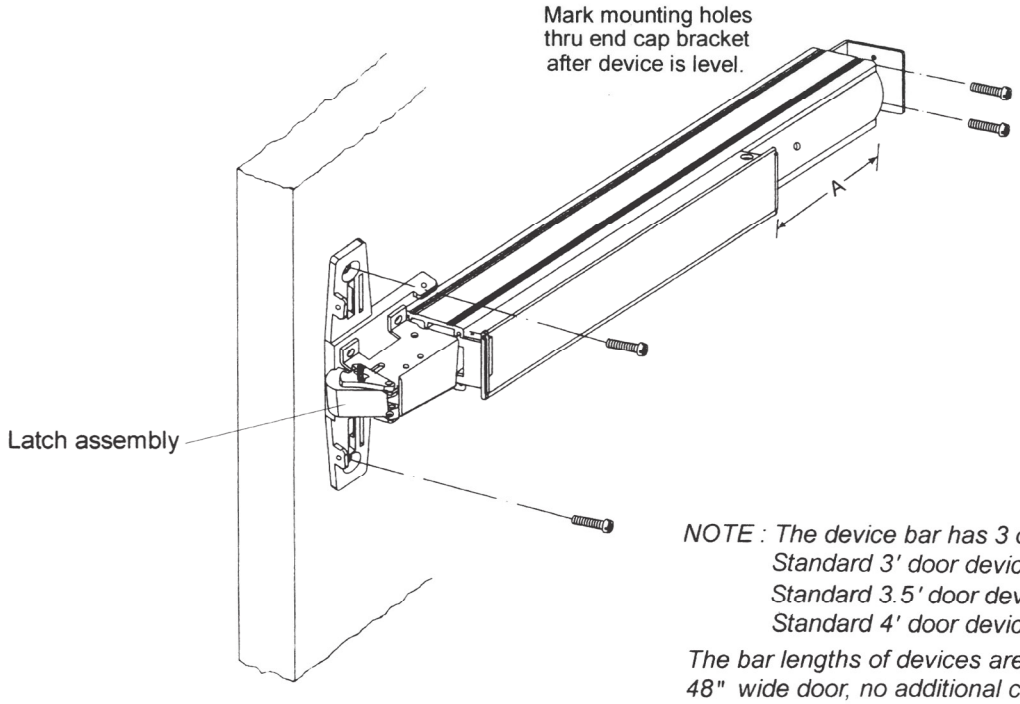
Mark and drill holes for the outside trim. (See Trim Instructions).

F. INSTALL DEVICE BODY

1. Remove chassis cover from latch assembly and end cap from end cap bracket.
2. Mount device horizontally to the drilled position by supplied mounted screws, and bolt device chassis to trim or sex bolts (if required).
3. Make sure cylinder or trim actuating shaft (tailpiece) can insert into device cam concentrically. (See device cam at right).
4. Install end cap bracket on device then screw to door.
5. Tighten all screws or bolts.



INSERT TRIM ACTUATING SHAFT INTO DEVICE CAM "+".

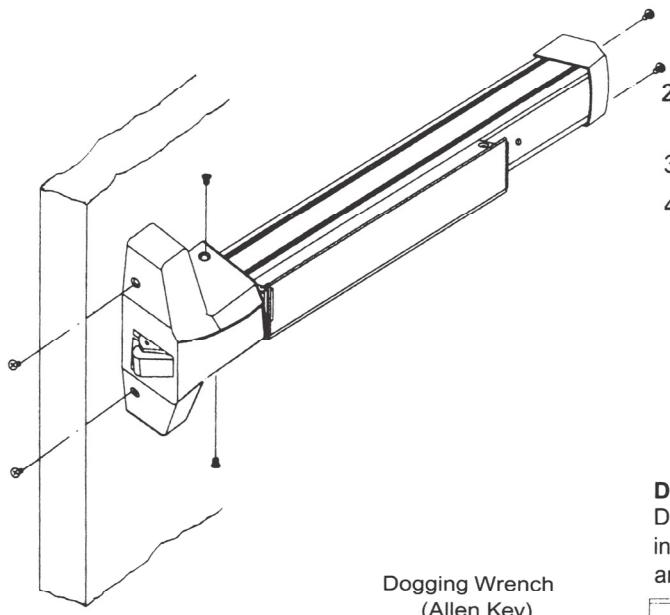


NOTE : The device bar has 3 different lengths :
Standard 3′ door device = Approx. 33"
Standard 3.5′ door device. =Approx. 40"
Standard 4′ door device = Approx. 44"

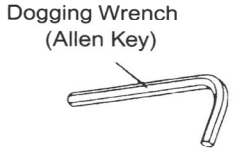
The bar lengths of devices are precut for 36", 42", 48" wide door, no additional cutting is necessary. If narrower door installation is needed, cut device "A" portion to door width minus 4 " to fit properly.

G. INSTALL COVERS

1. Test push bar operation before installing covers :
   a. No Trim : Latch bolt is retracted by push bar inside.
   b. With Trim : Latch bolt is retracted by push bar inside, key or lever/knob outside.
   c. Dogging: See dogging description and chart below.
2. Make sure and secure latch bolt engagement. Adjust strike if required.
3. Install chassis cover on chassis.
4. Install end cap.



Note : For increasing the life of this device, dogging device during high traffic period of the day (Panic device only).



Dogging:
Depress push bar, insert dogging wrench and turn clockwise 35°

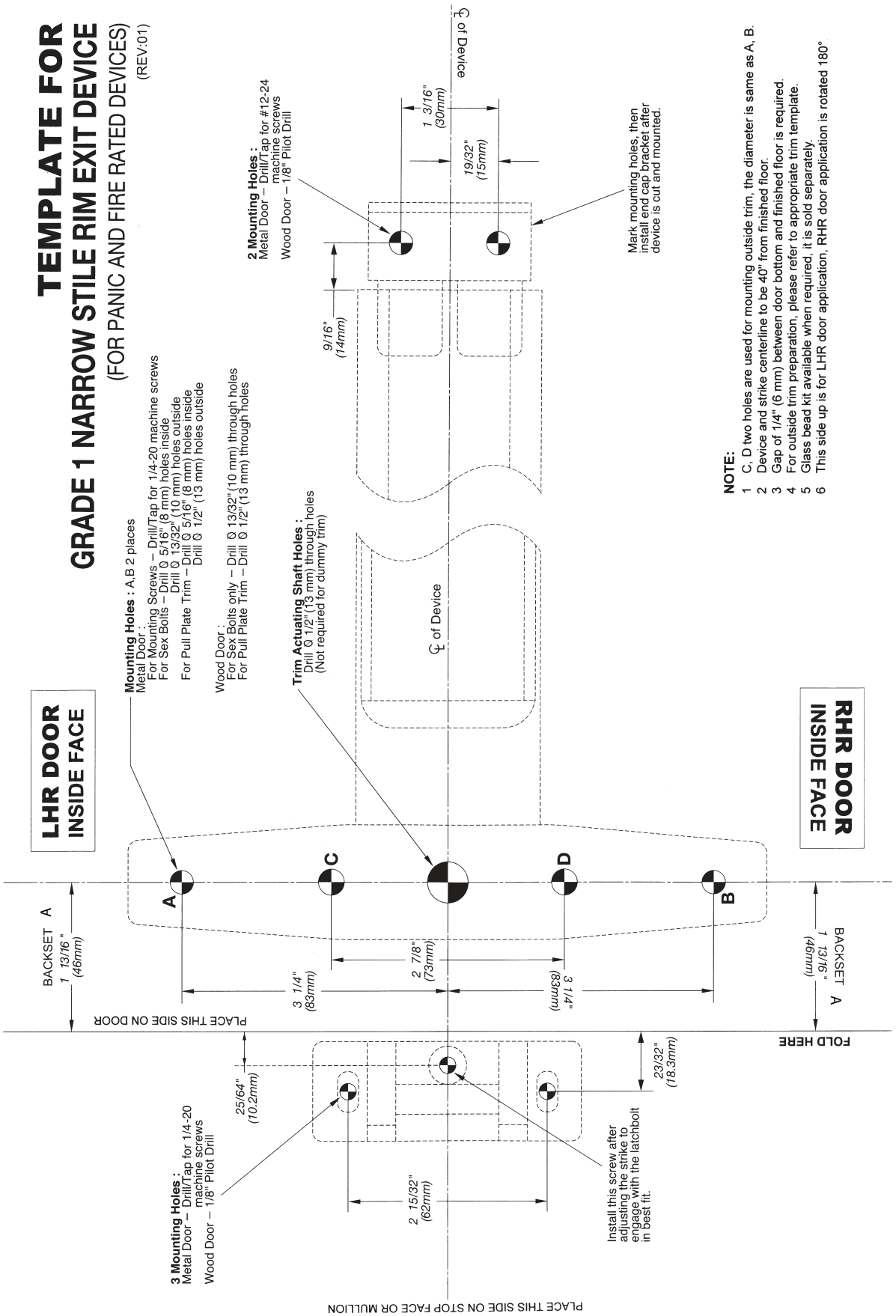
The push bar will remain pressed and the latch will keep retracted.

Release dogging:
Depress push bar, insert dogging wrench and turn counter-clockwise 35°

The push bar will return to up position and the latch will project to lock the door.

TEMPLATE FOR GRADE 1 NARROW STILE RIM EXIT DEVICE

(FOR PANIC AND FIRE RATED DEVICES) (REV:01)



NOTE:

1. C, D two holes are used for mounting outside trim, the diameter is same as A, B.
2. Device and strike centerline to be 40" from finished floor.
3. Gap of 1/4" (6 mm) between door bottom and finished floor is required.
4. For outside trim preparation, please refer to appropriate trim template.
5. Glass bead kit available when required, it is sold separately.
6. This side up is for LHR door application, RHR door application is rotated 180°