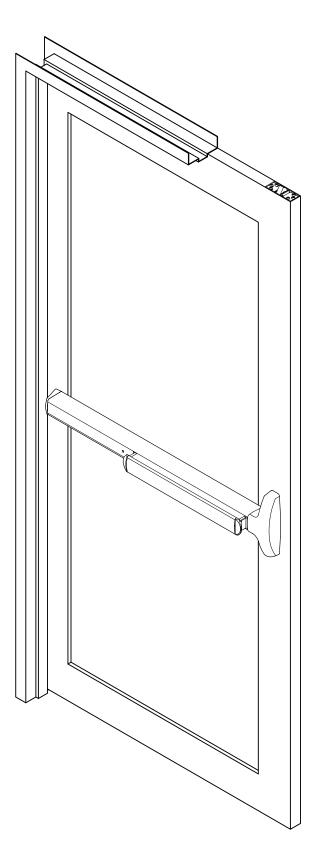
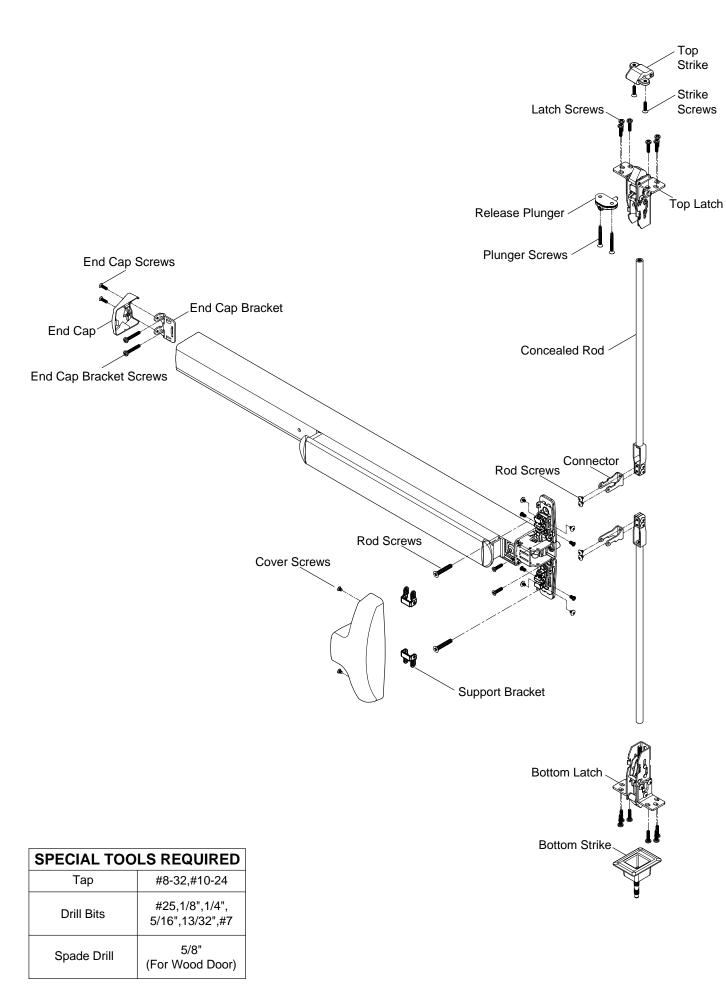
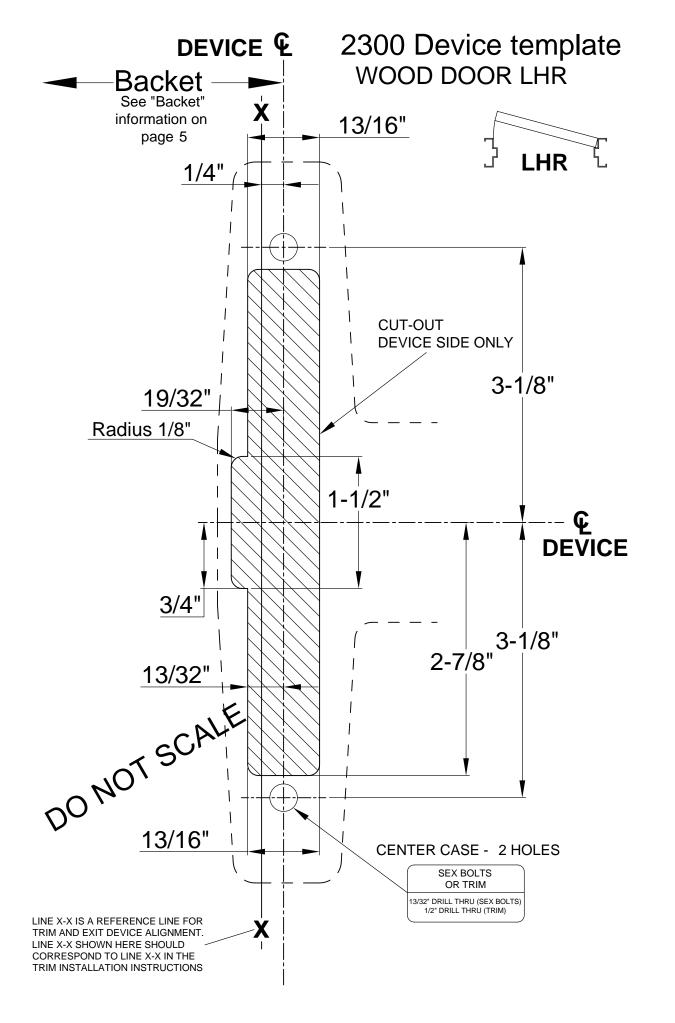
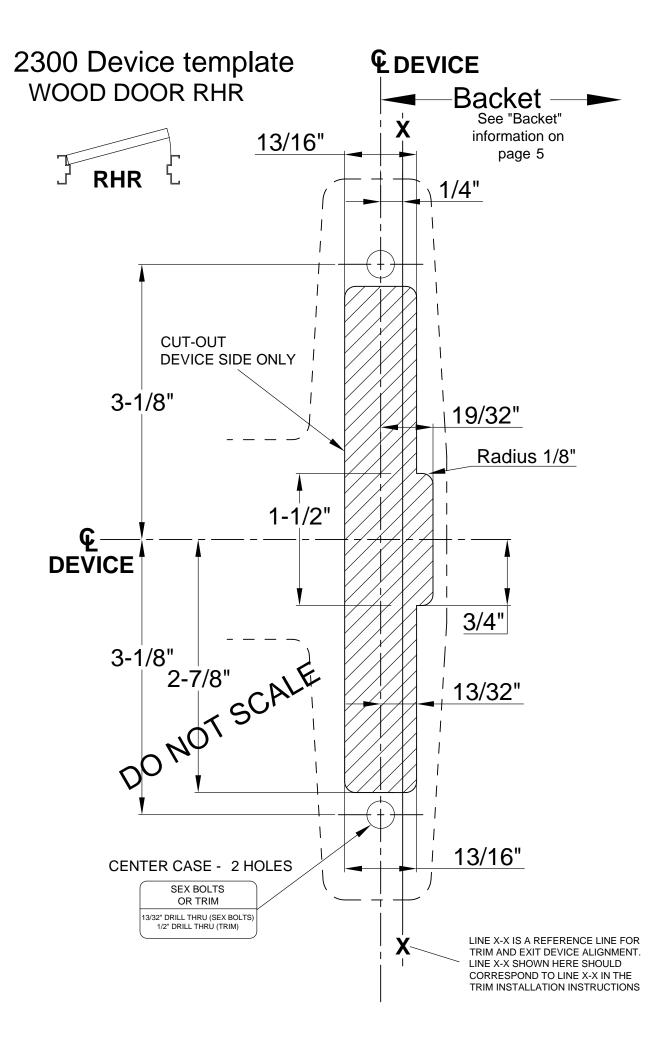
2300/F2300 SERIES CONCEALED VERTICAL ROD DEVICE

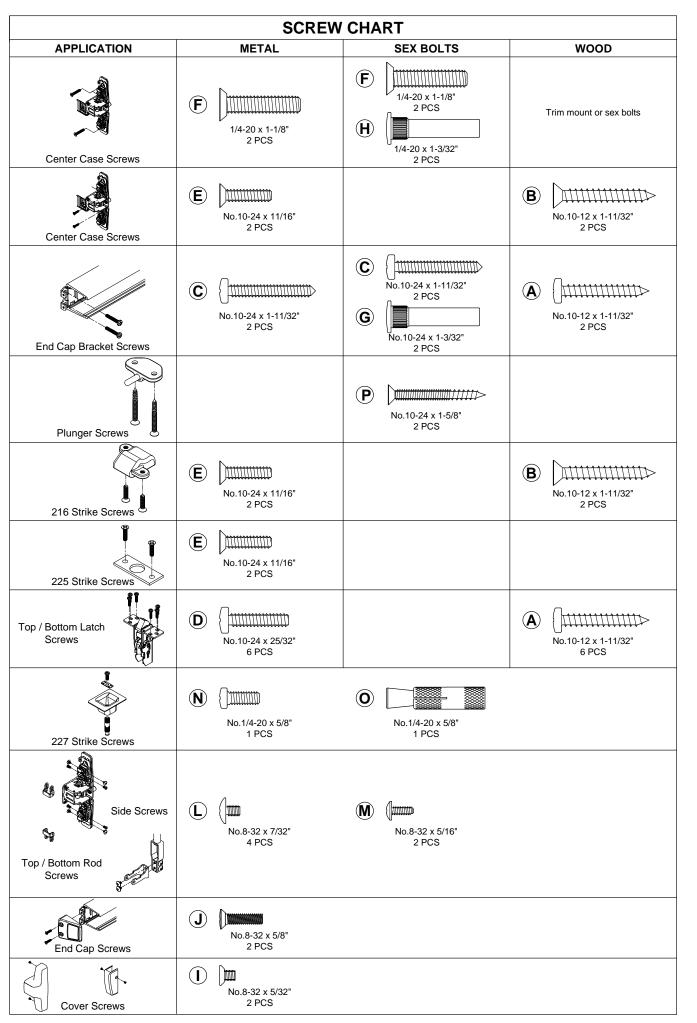
INSTALLATION INSTRUCTIONS



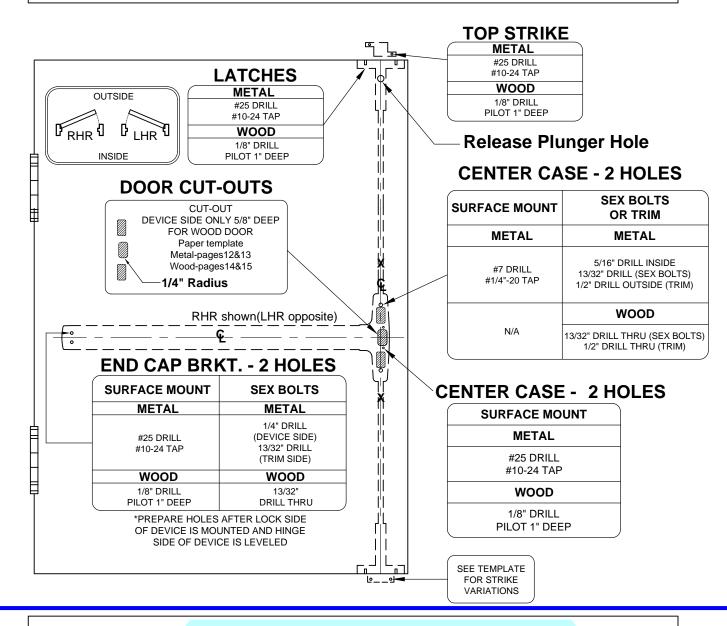






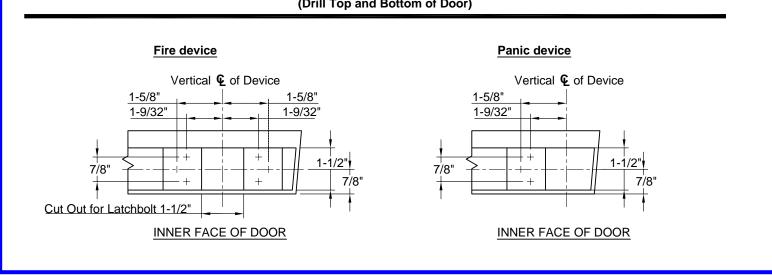


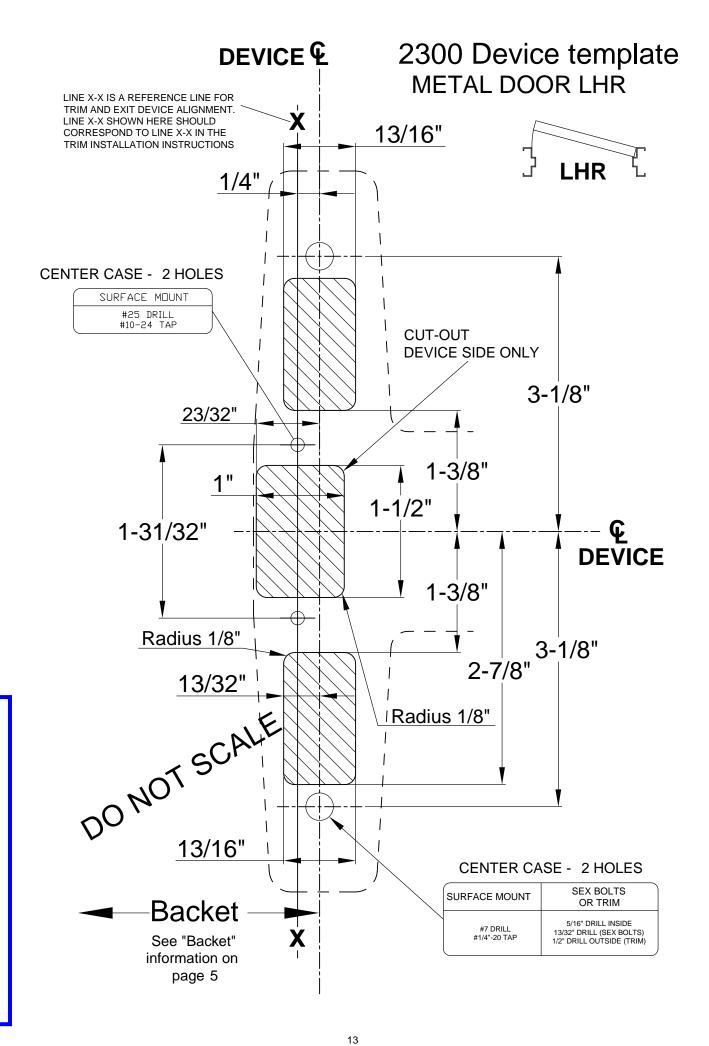
DOOR PREPARATION CHART

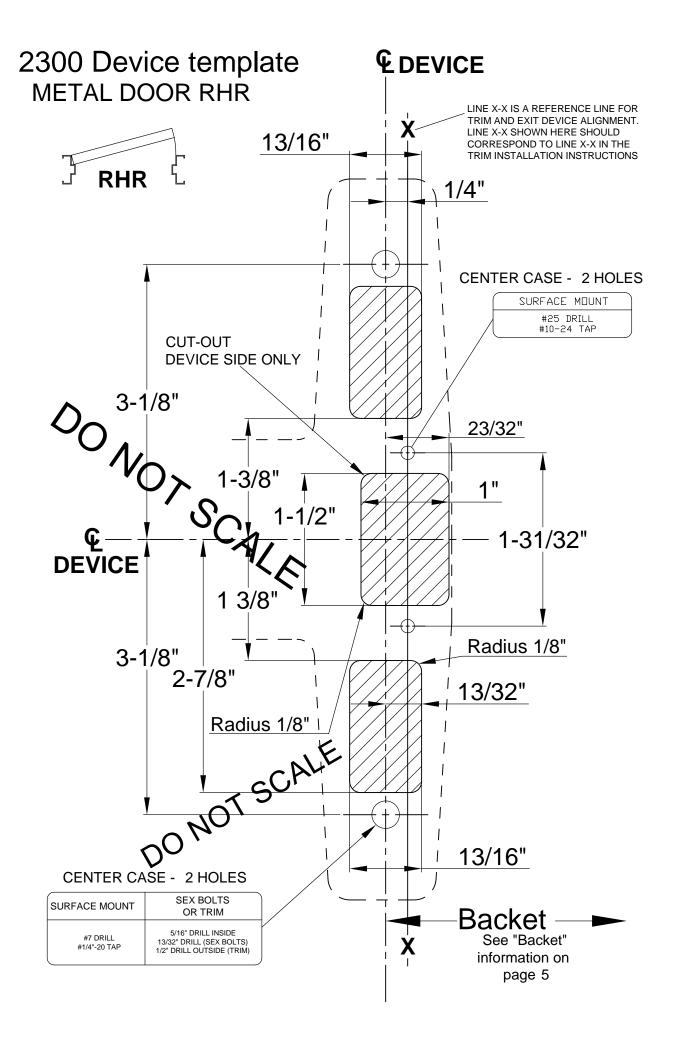


LATCH HOLE PREPARATION

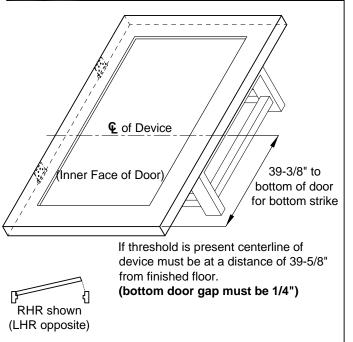
(Drill Top and Bottom of Door)





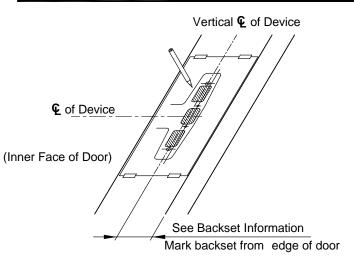


1 DRAW HORIZONTAL DEVICE CENTER LINE(©).



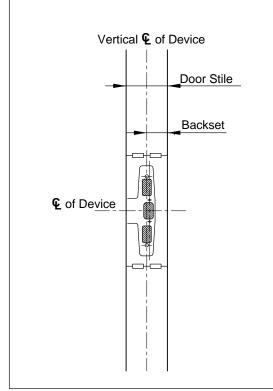
Lay door in place and draw horizontal device center line as shown.

2 DRAW VERTICAL & MARK BACKSET.



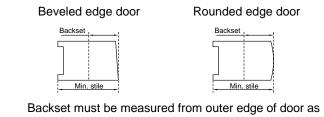
Position template as shown, then mark vertical center line for device center case.

Backset Information



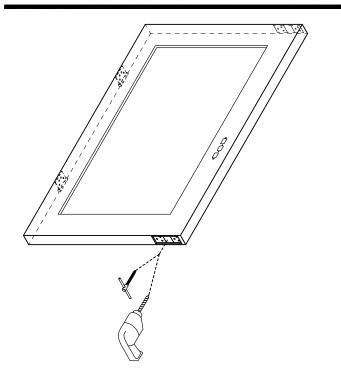
Backset Table

Door Type	Backset	Min. stile	Application
Wood Door	1-5/16"	2-1/8" - 2-3/4"	
	1-1/2"	2-3/4" - 3-3/4"	Two vertical rod
	1-7/8"	3-3/4" - 5"	devices
	2-1/2"	5" to flush	
Metal	1-1/2"	2-1/2" - 3-3/4"	. Single door
	1-7/8"	3-3/4" - 5"	
	2-1/2"	5" to flush	
	2-3/4"	3-5/8" to flush	Fire applications



Backset must be measured from outer edge of door as shown. Recommended for rectangular glass stop stiles less than 2-1/8".

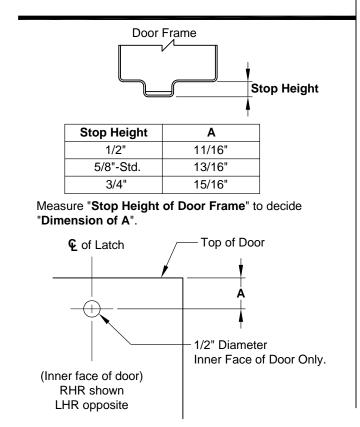
3 PREPARE DOOR FOR DEVICE AND TOP & BOTTOM LATCH.



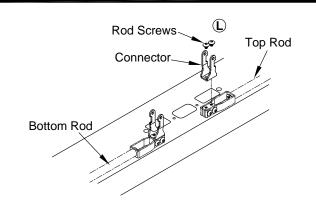
See "DOOR PREPARATION CHART" on page 4 for drill tap, and cut-out information.

INSTALL CONNECTORS.

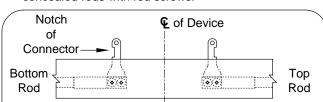
4 DRILL TOP OF DOOR FOR RELEASE PLUNGER.



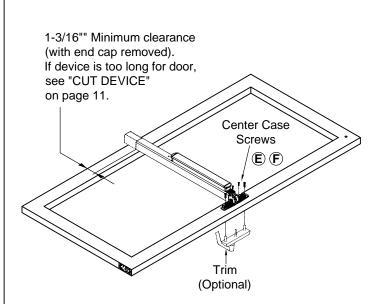
INSTALL TRIM (IF USING) AND SECURE DEVICE CENTER CASE TO DOOR.



After adjusting the lengths, Install connectors on both concealed rods with rod screws.



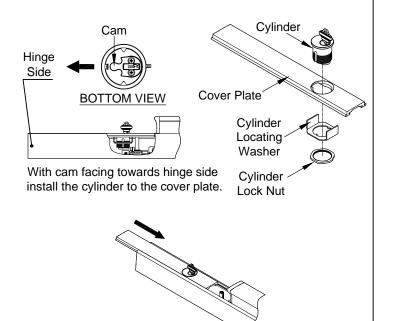
NOTE: Position connector on top rod with its notch facing towards top of door; repeat this step with connector at bottom rod with its notch facing towards bottom of door.



- 1. DEVICE WITH TRIM See "Trim Instructions".
- 2. EXIT ONLY Mount center case to the door with four(4) center case screws.

OPTIONAL DOGGING

CYLINDER DOGGING



Slide cover plate in position in the mechanism case.

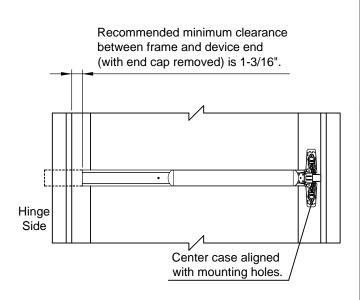
Depress push bar and turn flat / hex wrench or key one full turn for dogging check.

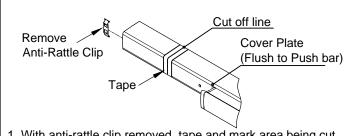
Flat / Hex Key Dogging Cylinder Dogging

DOGGING CHECK

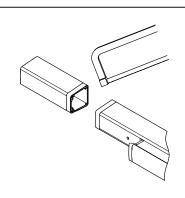
CUT DEVICE (IF REQUIRED)

11





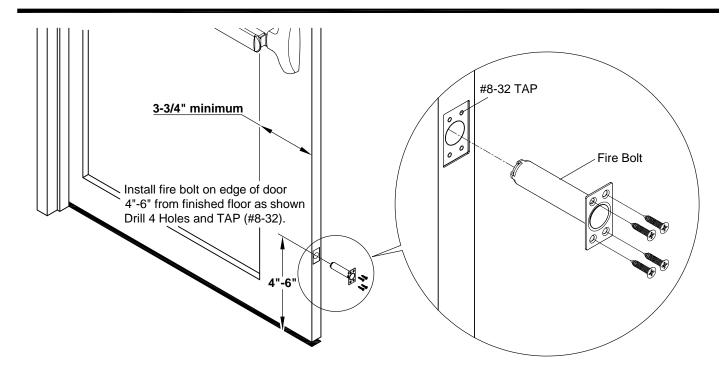
1. With anti-rattle clip removed, tape and mark area being cut.



2. Cut off device and deburr. NOTE: Device must be cut square for proper end cap fit.

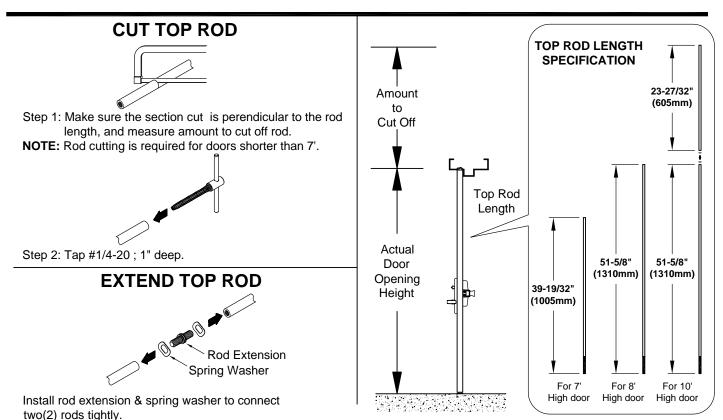


INSTALL FIRE BOLT

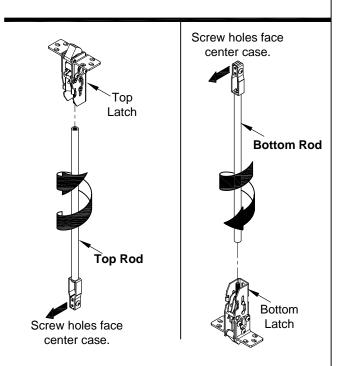


NOTE: Fire rated device with less bottom rod (LBR) applications must use FIRE BOLT.

CUT TOP ROD / EXTEND TOP ROD

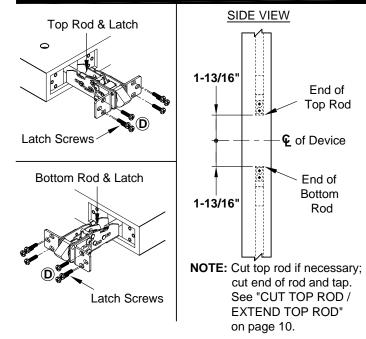


5 ATTACH RODS TO LATCHES.



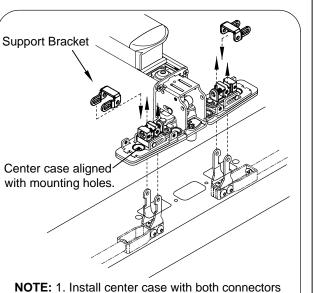
Thread rod onto latch stud until screw holes in rod bars face center case.

6 INSTALL RODS AND LATCH.



- 1. Install top latch and latch screws at top of door.
- 2. Install bottom latch and latch screws at bottom of door.
- 3. Fine tune the overall length by threading latch in or out of rod.

9 INSTALL MOUNTING BRACKET AND END CAP.



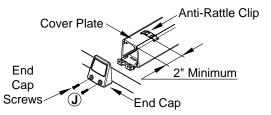
- **NOTE:** 1. Install center case with both connectors go through clearance between retractors and center case.
 - Install support bracket on the top of connector and retractor.

- Device must be horizontally leveled.

 End Cap Bracket Screws

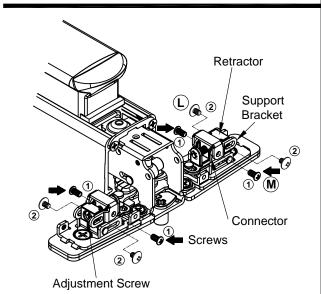
 C

 End Cap Bracket Screws
- Remove cover plate, insert end cap bracket into push bar assembly against mechanism case. Level device, mark and drill two(2) holes for Bracket Screws. Fasten end cap bracket screws to door.



2. Insert cover plate, slide anti-rattle clip in position (2" minimum from end), and attach end cap with two(2) end cap screws.

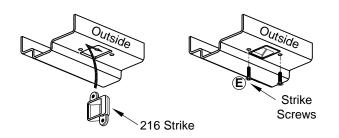
10 INSTALL SIDE SCREWS.



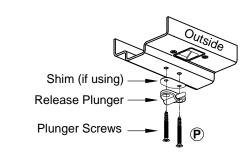
- 1.Deadbolt should be sticked out.
- 2. Turning side screws through support bracket, connector and retractor, then tighten the screw.
- 3.Steady screw 2. through support bracket on retractor.

Note:Steady screw 2., then adjust deadbolt before tighten it.

11 HANG DOOR AND INSTALL TOP STRIKE & RELEASE PLUNGER.

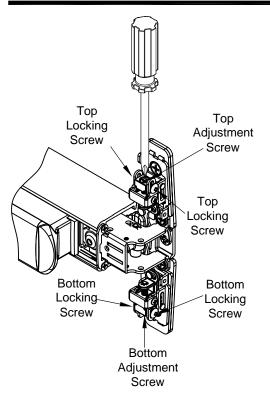


See "FRAME PREPARATION" on page 9 for cut-out and holes. After preparing, install top strike into door frame and mount two(2) strike screws.

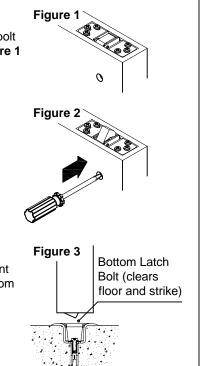


See "FRAME PREPARATION" on page 9 for holes. After preparing, install release plunger with two(2) plunger screws

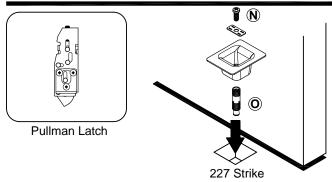
ADJUST LATCHES AND SECURE TOP & BOTTOM LOCKING SCREWS.

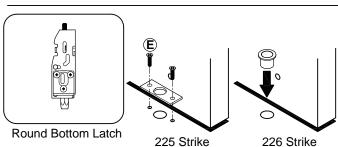


- 1. Depress push bar to retract the latch bolt and open the door.
- 2. Check top latch for HOLDBACK (Latchbolt stays retracted in latch case). See Figure 1
- Loosen top locking screw.
- 4. Rotate top adjustment screw until top latchbolt is fully retracted.
- 5. Release top latchbolt. See Figure 2
- 6. Check top latchbolt for DEADLOCK (Latchbolt should not push in).
- 7. Rotate top adjustment screw until top latchbolt is in DEADLOCK.
- 8. Tighten top locking screw.
- 9. Depress push bar and retract latchbolt.
- 10. Make sure top latchbolt stays retracted as shown. **See Figure 1**
- 11. Loosen bottom locking screw.
- 12. With top latchblot still retracted, adjust bottom rod by rotating bottom adjustment screw, so latchbolt clears floor and bottom strike in HOLDBACK. **See Figure 3**
- 13. Release top latchbolt. See Figure 2
- 14. Check bottom latchbolt for DEADLOCK.
- 15. Tighten bottom locking screw.
- Open and close door several times and check device operation and DEADLOCK & HOLDBACK function.



12 INSTALL BOTTOM STRIKE.

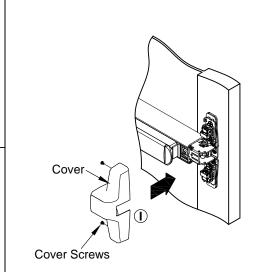




- 1. Mark floor for fasteners, prepare floor according to the type of strike and fastener furnished. Provide clearance in floor for bolt.
- For threshold application: Provide hole in threshold according to type of strike and fasteners furnished.

13 ADJUST RODS AND INSTALL CASE COVER.

1.For Rod Adjustments SEE PAGE 9



2. Attach cover to center case with two(2) center case screws.

FRAME PREPARATION

9

