

INSTALLATION DIRECTIONS

BEFORE APPLYING THIS DEVICE

- A. Threshold (if any) must be installed.
- B. Doors must be fitted and hung.
- C. Check that handing of hardware corresponds with handing of door.

1. APPLY STRIKE

- A. Tape appropriate strike template to stop.
- B. When Von Duprin Mullion is used apply strike at tapped holes in Mullion. (See illustration 1 or 2)
- C. Vertical rod and rim devices on pairs of doors require 1609J strike. See template No. 30021 for this application.

2. PREPARE DOOR

- A. Tape full size template No. 1 or 2, depending on handing of door, to inside face of lock stile. See Device Height Schedule.

NOTE: BE SURE CENTERLINE OF LOCK STILE CASE IS PARALLEL TO STOP AND THAT EDGE OF CASE IS 3/16 FROM EDGE OF STRIKE. STRIKE MUST BE SHIMMED OUT IF LOCK CASE IS MOUNTED MORE THAN 3/16 FROM STRIKE.

- B. Prepare door as shown. See Fig. 1 for wood door application, and Fig. 2 for metal door application.

3. APPLY OUTSIDE TRIM

- A. See directions in trim carton. Line "X-X" on trim template corresponds to line "X-X" on device template and is parallel to edge of door. Transfer line "X-X" from inside face to outside face of door.
- B. Prepare outside face of lock stile.
- C. Cut off thumbpiece and cylinder tailpiece, if necessary, to extend 5/8 to 3/4 thru door and into device case.
- D. Apply outside trim.

4. INSTALL LEVER ARMS

- A. Insert lever arms into lock stile and hinge stile cases.
- B. Assemble axles and tighten securely. (See instructions in axle envelope.)

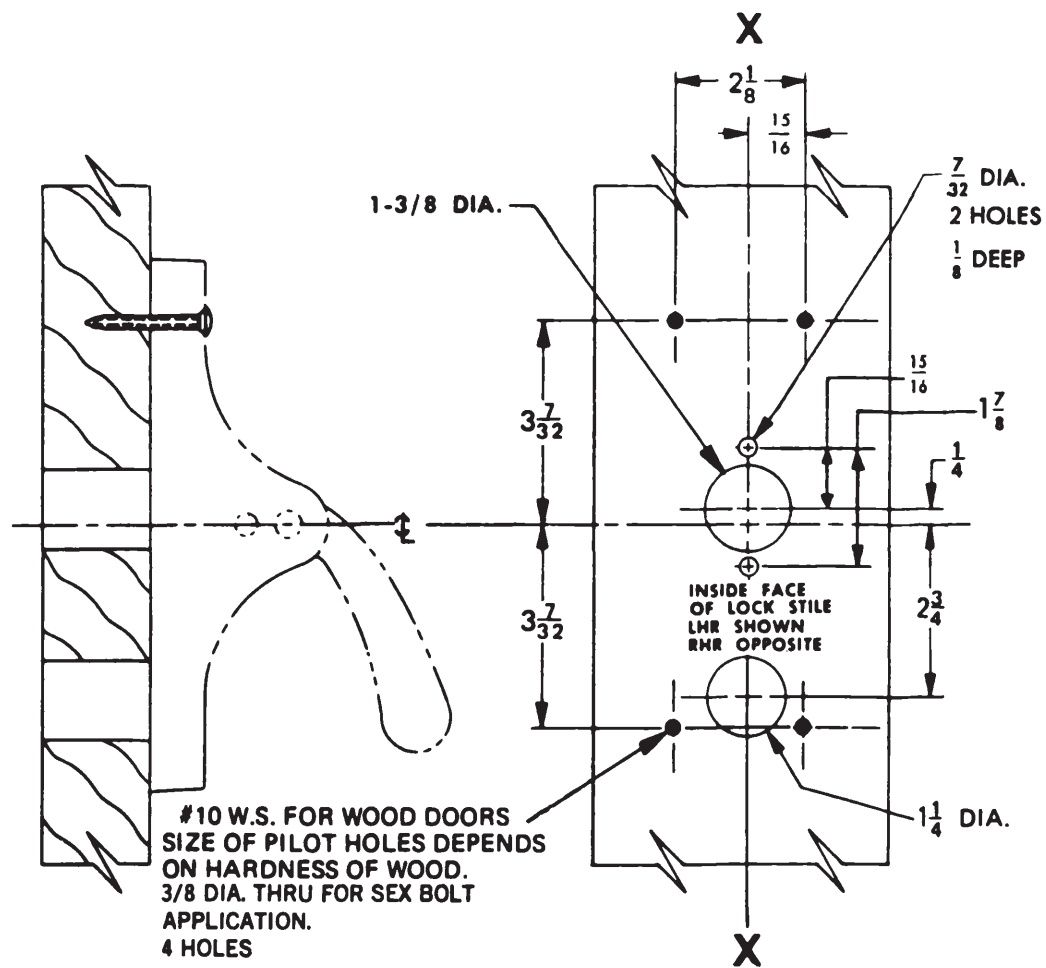
5. APPLY LOCK STILE CASE

- A. Remove key from cylinder.
- B. Position cylinder cam as shown in Fig. 3.
- C. Attach lock stile case to door. (See Fig. 1 or Fig. 2)
- D. Test key and thumbpiece action.

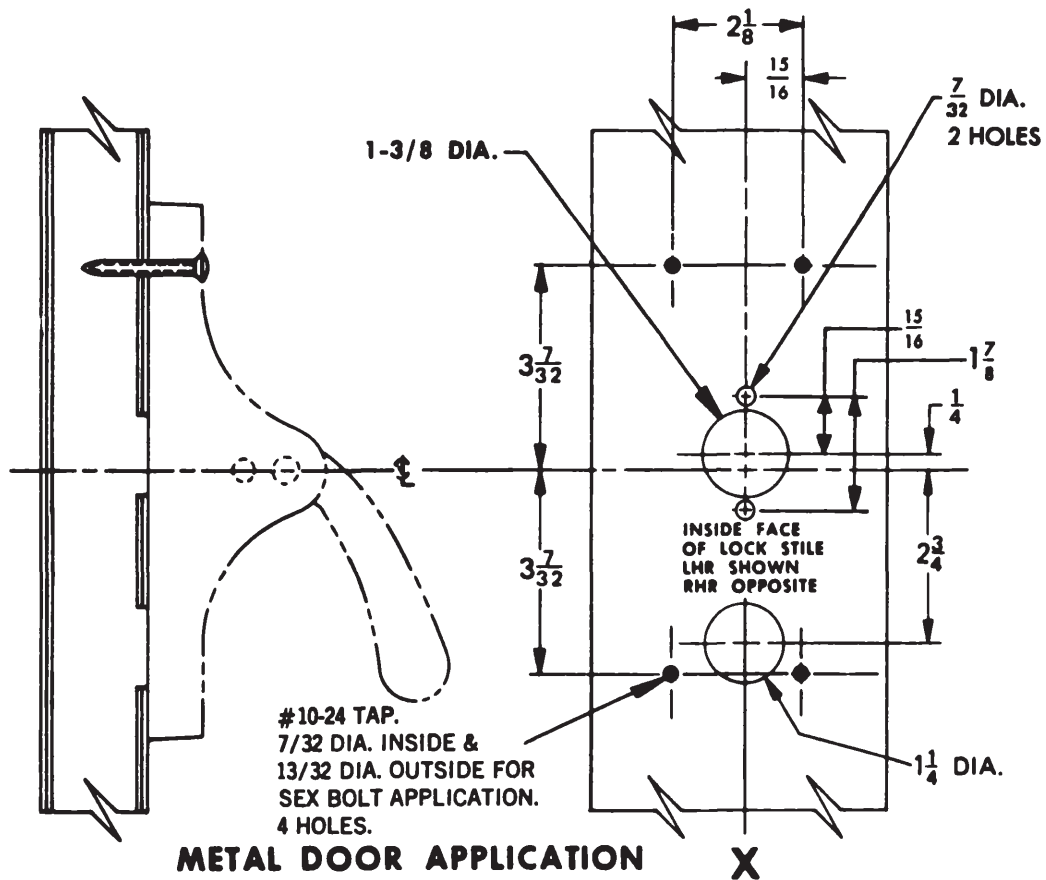
6. APPLY HINGE STILE CASE AND CROSSBAR TUBE (FIG. 4)

- A. Dog lever arms in depressed position.
- B. Slip crossbar tube on lock stile and hinge stile lever arms. (See Direction No. 941009 for cutting crossbar, if necessary.)
- C. Be sure crossbar is level and hinge stile case is parallel to edge of door and approximately on centerline of exposed stile.
- D. Using holes in hinge stile case, mark location and prepare door for attaching screws.
- E. Apply hinge stile case with crossbar in place.
- F. Tighten wedge-tite set screws securely with dog key and screwdriver or equivalent for leverage, and test crossbar for free action. (See Direction No. 941009 for these instructions.)

NOTE: When this device is ordered with two cylinder operation — inside key locks thumbpiece. When locked from inside, outside key retracts latch bolt.



WOOD DOOR APPLICATION
FIG. 1



METAL DOOR APPLICATION
FIG. 2

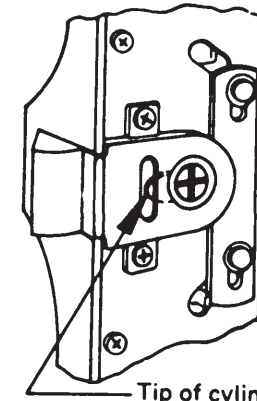
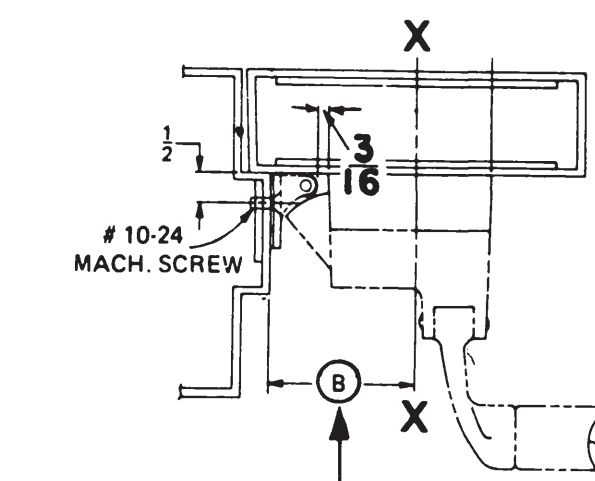
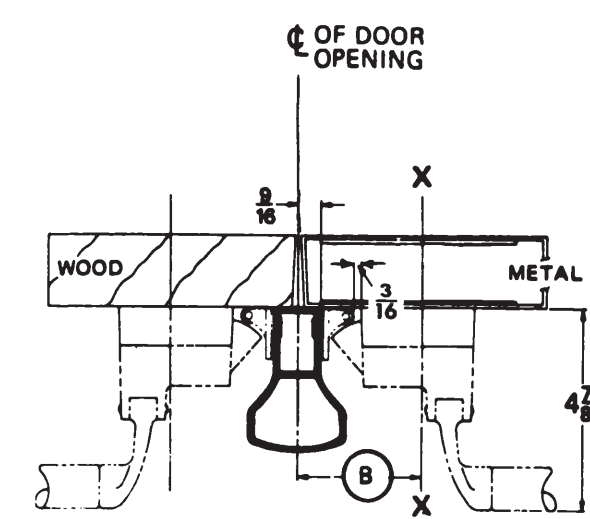


FIG. 3
Tip of cylinder cam to be in this position. Be sure key is removed from cylinder.



| SINGLE DOOR INSTALLATION | | |
|--------------------------|---------------|------------|
| STRIKE | DIMENSION (B) | MIN. STILE |
| 299 / 299F (Shown) | 2-1/2 | 4-3/8 |
| 264 | 2-1/4 | 4-1/8 |
| 1606 | 2-1/16 | 3-15/16 |

NOTE: FOR 1405 STRIKE SEE DIRECTION SHEET NO. 31019



| DOUBLE DOOR INSTALLATION WITH VON DUPRIN MULLIONS | | |
|---|---------------|------------|
| MULLION & STRIKE | DIMENSION (B) | MIN. STILE |
| 5254 - 5654 x 299F (Shown) | 3-1/16 | 4-1/4 |
| 5254 or 5654 x 264 | 2-13/16 | 4" |

ILLUST. 1

| SINGLE DOOR OPENING 39-13/16 TO FINISHED FLOOR | |
|---|---------------|
| DOUBLE DOOR OPENING WITH VON DUPRIN MULLION AND THRESHOLD | |
| THRESHOLD NO. | TO FIN. FLOOR |
| ALL THRESHOLDS | 39-11/16 |
| NO THRESHOLD (FLAT SILL) | 39-11/16 |

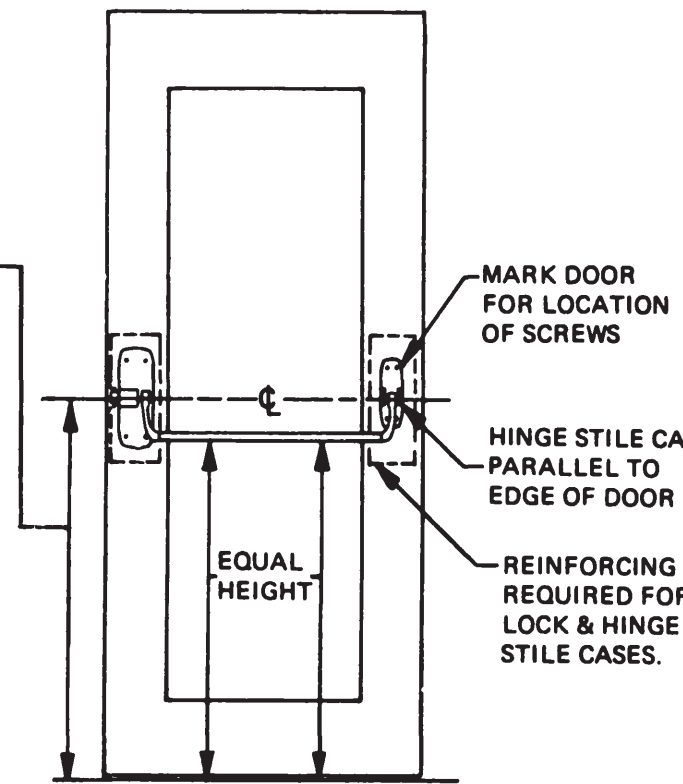
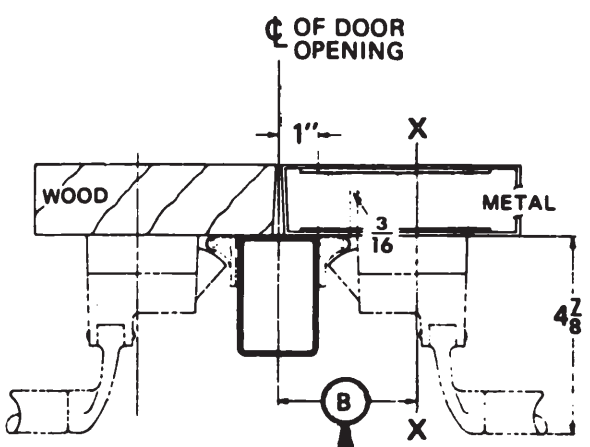


FIG. 4



| DOUBLE DOOR INSTALLATION WITH VON DUPRIN MULLIONS | | |
|---|---------------|------------|
| MULLION & STRIKE | DIMENSION (B) | MIN. STILE |
| 4954 x 299 / 299F (Shown) | 3-1/2 | 4-11/16 |
| 4654 x 264 | 3-1/4 | 4-7/16 |
| 1654 x 1606 | 3-1/16 | 4-1/4 |

ILLUST. 2



911157-00



Customer Service
1-877-671-7011 www.allegion.com/us

DESCRIPTION

88TP SERIES RIM DEVICES

DIRECTION NUMBER 911157-00(b) **DATE** Rev. 01/14

FOR TRIM APPLICATION SEE DIRECTIONS IN TRIM CARTON

VON DUPRIN

NOTE: FOR 1405 STRIKE SEE DIRECTION SHEET NO. 31019

