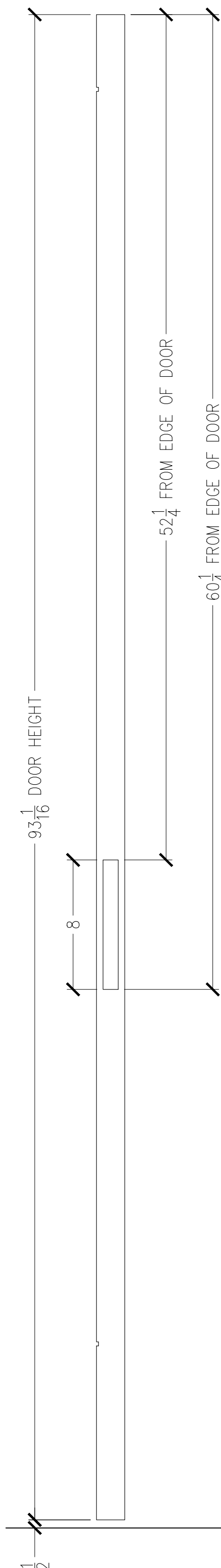
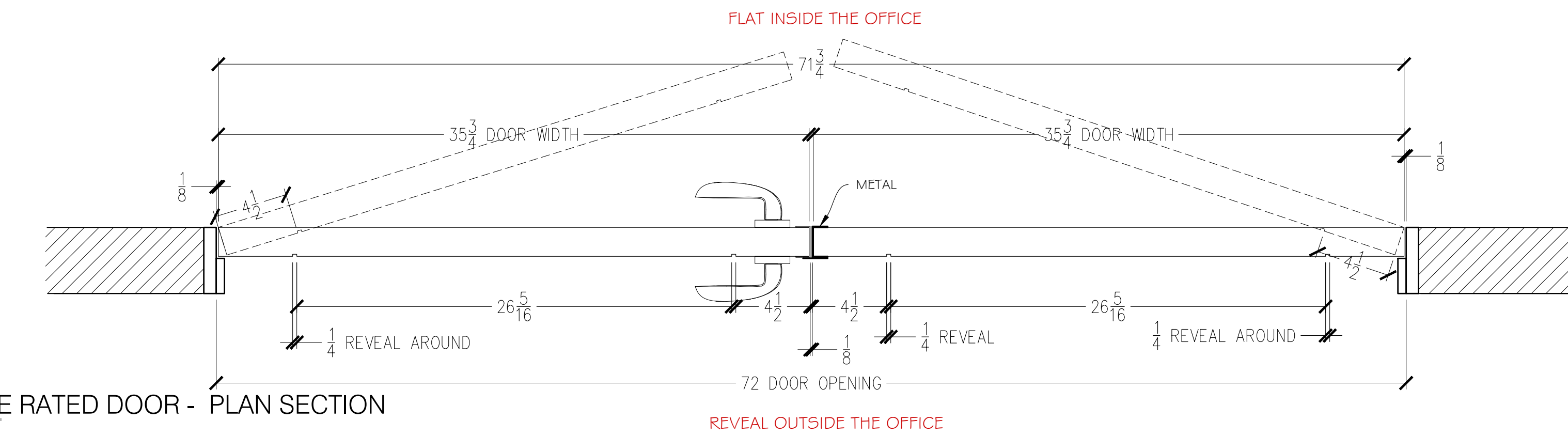


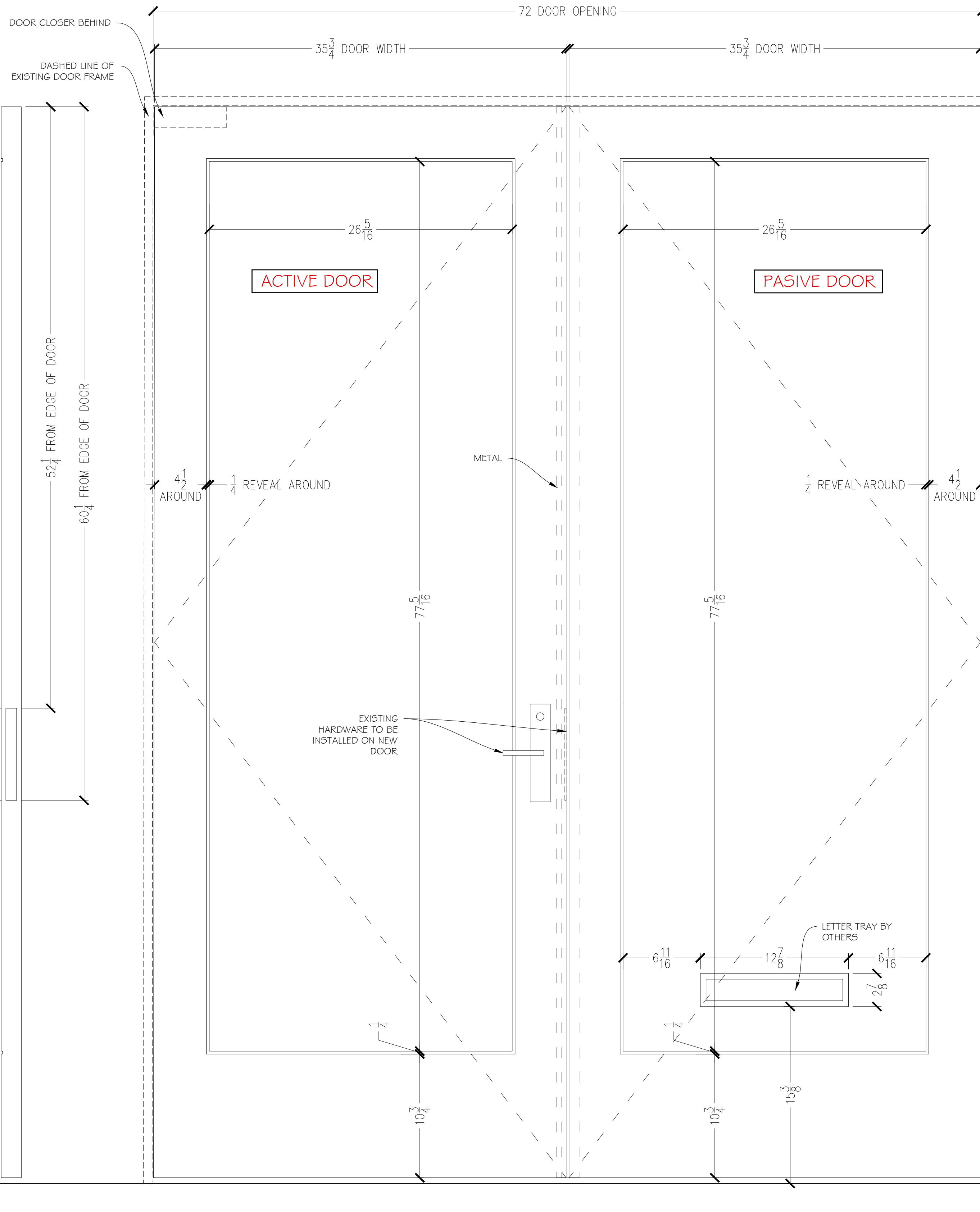
2 FIRE RATED DOOR - HINGES LOCATION



3 FIRE RATED DOOR - HARDWARE LOCATION



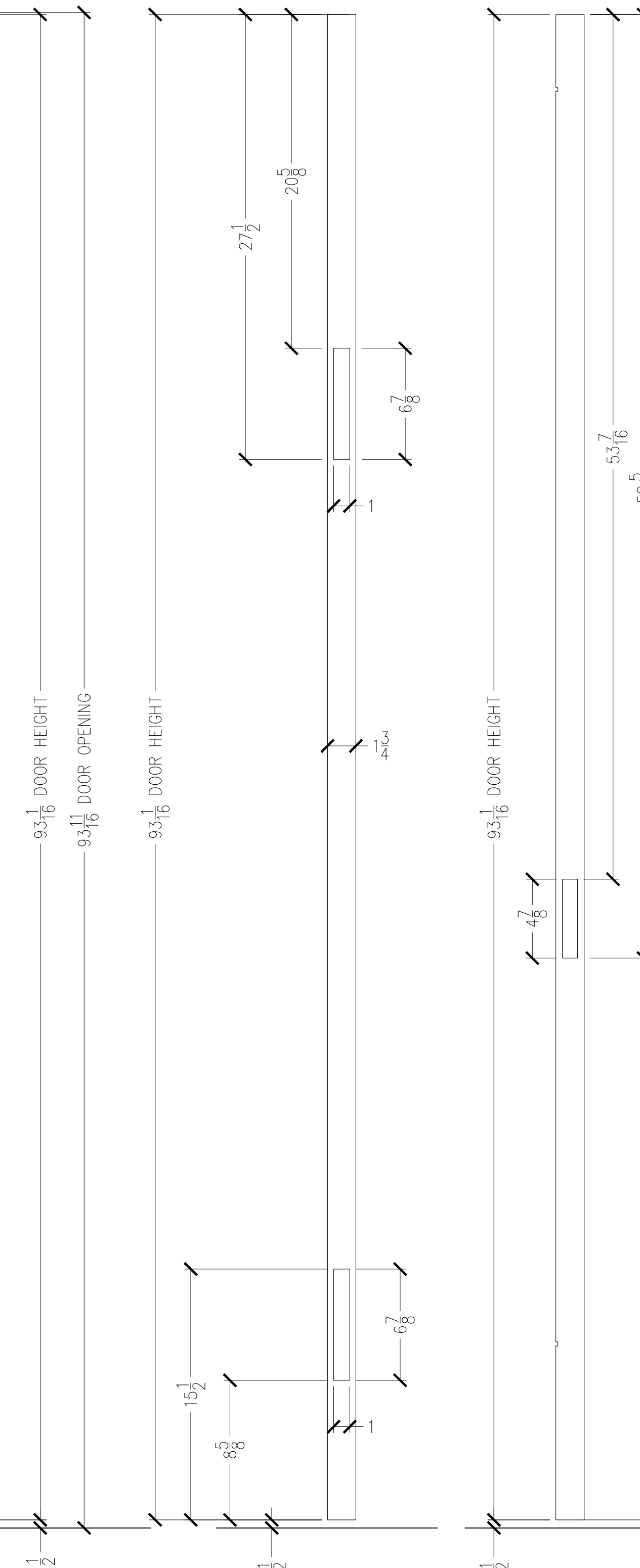
1 FIRE RATED DOOR - PLAN SECTION
2' = 1'-0"



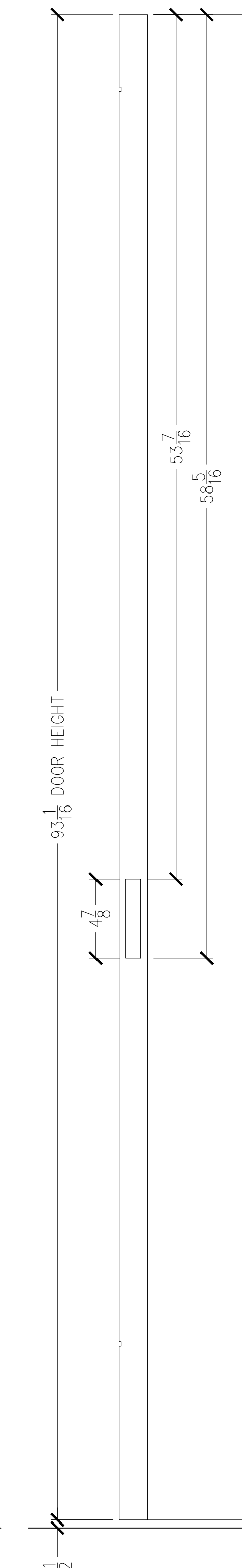
4 FIRE RATED DOOR - OUTSIDE VIEW ELEVATION








LETTER TRAY



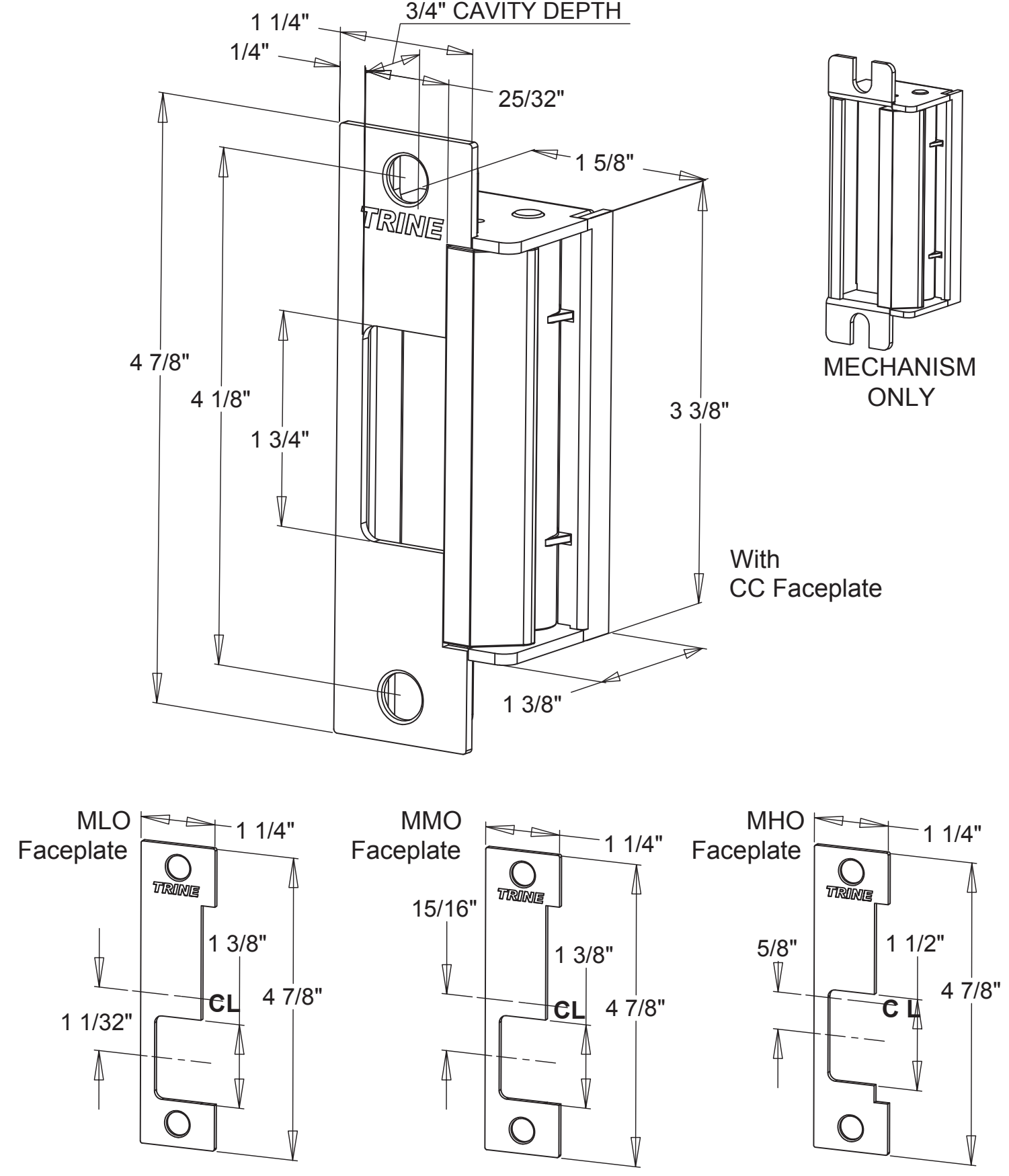
5 FLUSH BOLT LOCATION



6 LOCK LOCATION

REMARKS	ELEVATOR SIZE ELEVATOR DOOR SIZE H: W: ELEVATOR SIZE H1: H2: W: D: <div style="text-align: right;">  </div>																								
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<div style="display: flex; align-items: center;"> <div style="font-size: 4em; margin-right: 10px;">M</div> <div> Modern Wood of NY Inc. www.modernwoodllc.com Quality, affordable, custom-made furniture Ph 347.448.8011 23-57 B 51st AVENUE L.I.C. NY 11101 Fax 718.361.2114 </div> </div>																									
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4893	MW-1																								
PAGE 1 OF 2																									

4100 Electric Strike



Notes:

- Backset is measured from centerline of bevel which is centerpoint of door thickness.
- When preparing doors for lead wrapped lock, add 1/8 (3/2) to dimensions marked (1) to allow proper clearance.
- 1-16 (26.0) strike lip suits frame for 1-3/4 (44.5) thick door, lip will vary for other door thicknesses.
- For preparation of trim, refer to separate template.
- For open back latch, refer to template T30606.
- Dimensions given in inches and (mm).

CAUTION: DOOR & FRAME MANUFACTURERS. When door gasketing or silencers are used, proper allowances must be made for strike location to maintain a common centerline with lock and door as shown so that bolt will freely enter strike.

FRAME DETAIL

ANSI Strike	Description
236L 72	Latch & Dead Bolt Holes
236L 73	Latch Bolt Hole Only
236L 74	Dead Bolt Hole Only

And Optional Box 120F76

ML2000 Series Mortise Lock

ASSA ABLOY

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INSTALLATION INSTRUCTIONS

INSPIRETM Mortise Trim Instructions
FM 340 Rev. 10/18



FULL TRIM (STD) INSTALLATION

Step 1) Install strike with shorter 3/4" mounting screws

Step 2) Insert mortise lock into door and hand tighten longer 1" mounting screws

Step 3) Install spacer blocks on both sides of lock-body with 1/4" Fillister Head Screws

Step 4) Install adapter plates on both sides of door using 1/2" Flat Head Screws

Note: Align tabs on spacer with cutouts on lock-body

INSTALLATION INSTRUCTIONS

INSPIRETM Mortise Trim Instructions
FM 340 Rev. 10/18



Step 6) Install I/S spindle and adjustment bolt

Step 7) Install I/S lever with dowel screw

Step 8) Rotate both levers individually and make sure both levers return. If either lever binds, remove I/S lever and un-thread adjustment bolt 1/2 turn.

Step 10) If the lock function calls for a cylinder or turn-piece proceed to cylinder and turn-piece instructions on page 10. Otherwise proceed to next step

Step 11) Install scalp using 3/16" Flat Head Screws

ASSA ABLOY, the global leader in door opening solutions

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LOCK

REMARKS

ELEVATOR SIZE

ELEVATOR DOOR SIZE

H:

W:

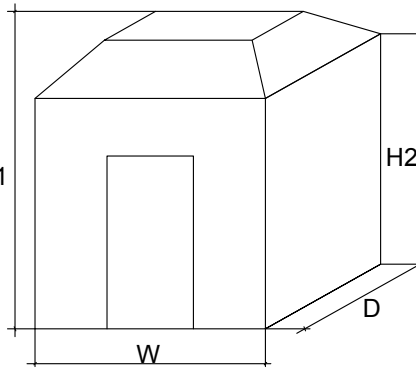
ELEVATOR SIZE

H1:

H2:

W:

D:



FINISHES

1-3/4" THICK MAHOGANY FIRE RATED DOOR

OTHER MATERIALS

HARDWARE

1. HINGES PROVIDED BY OTHERS

2. LOCK PROVIDED BY OTHERS

3. DOOR CLOSER CORBIN RUSSWIN ASSA ABLOY PROVIDED BY OTHERS

4. PULL CORBIN RUSSWIN ASSA ABLOY ML2000 SERIES PROVIDED BY OTHERS

5. LETTER TRAY PROVIDED BY OTHERS

6. FLUSH BOLT PROVIDED BY OTHERS

DATE

REVISIONS

SPECIFICATIONS



DOOR CLOSED



CORBIN RUSSWIN ML2000 SERIES MORTISE LOCK



MANUFACTURE: TRINE
4100 SERIES ELECTRIC STRIKE



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JOB

VERSATILE SERVICES
EMPIRE STATE BUILDING
20 W 34th St, New York, NY 10001
OFFICE #4200

TITLE:

FIRE RATED DOOR

SCALE:

AS NOTED

DWG BY:

GEOVANNA

DATE:

06.25.19

JOB NO.

4893

DWG NO.

MW-2

PAGE 2 OF 2

ELECTRIC STRIKE

FLUSH BOLT

WHAT'S IN THE BOX:

- (1) 4100 Electric Strike Mechanism
- (4) Faceplates with Openings (CC, MHO, MMO, MLO)
- (2) #12-40 x 1 inch Phillips Mounting Screws
- (2) #12-40 x 1 inch Torx® Security Mounting Screws
- (2) Quick Connect Socket & Wire Assembly 12VDC & 24VDC Version
- (2) Sealed Crimp Connectors
- (2) Latch Spacer
- (2) Mounting Screws
- (1) Frame Trim Skirt & (2) Screws

COMPATIBLE LOCKSETS

CC: Centered Cylindrical (Reference HES® J faceplate) - Cylindrical Locksets up to 3/4" throw and all locksets center lined bolts: Corbin Russwin® Security Bolt, Weiserbolt®.

MHO: Mortise High Offset (Reference HES® KM faceplate) - Accurate®, Arrow®, Best®, Corbin Russwin®, Falcon® (1992M Series), Sargent® (7800, 8200, & 9200 Series), Yale® (8800).

MMO: Mortise Medium Offset (Reference HES® K faceplate) - Baldwin®, Marks®, PDQ®.

MLO: Mortise Low Offset (Reference HES® KD faceplate) - Jackson®, Sargent® (7700 & 8100), Schlage® (L Series), Yale® (8700), Dorma M9080®.

PREMIUM TRIM SKIRT FOR THE 4100

USING THE TRIM SKIRT

The skirt can be used to clean up the cut line of the frame face during installation. The Trim Skirt comes with 2 screws for fastening to the top and bottom of the 4100.

Available in 6 architectural finishes: US32D, US32, US3, US4, US10, US10B to match the finish of the electric strike and faceplates.

CCTS

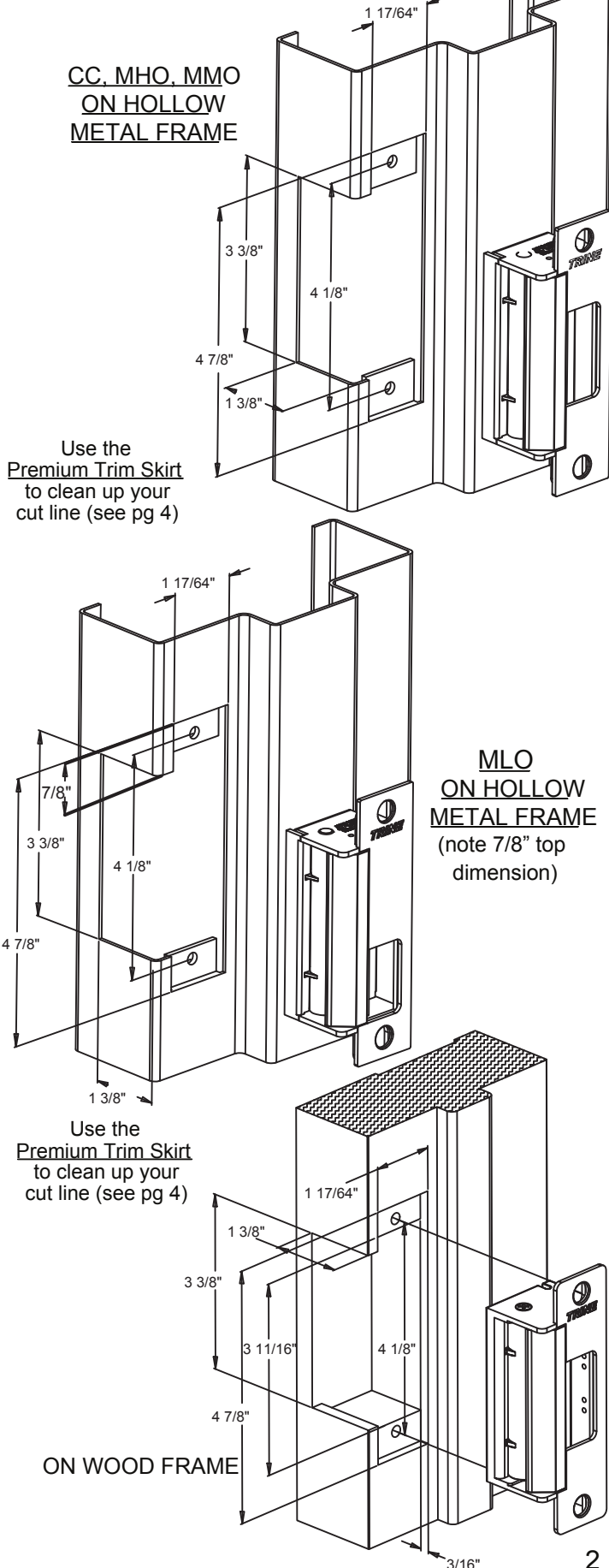
If retrofitting for the electric strikes listed below, a separate Skirt may be used to cover the gap left in the frame. Note: Specify the finish of the CCTS so it matches the 4100 you have.

H.E.S.® 1006, Folger Adams® 712/732, Von Duprin® 6200 Series, or Trine EN Series Strikes

RECOMMENDED PRE-INSTALLATION CHECK:

- Determine that the door swings without interfering with jamb or sill; the door must operate properly for the system to provide best results.
- The door must be equipped with a door closer and the door closer "latch mode" must hold door in a completely closed position in order to avoid the lock latch from applying pressure against the releasing latch portion of the electric strike.
- Electrical wire connections must be completed and ready to be terminated inside the frame.
- Confirm that the power line in the frame is the correct voltage and that the switch works properly.
- Confirm proper clearance exists between the end of the lock latch and jamb.
- The faceplate opening used on the electric door strike must be centered with lock latch centerline when it is installed on the doorjamb.
- For best installation results, the door frame must be reasonably flat and straight.

FRAME PREPARATION



INSTALLING THE 4100 STRIKE:

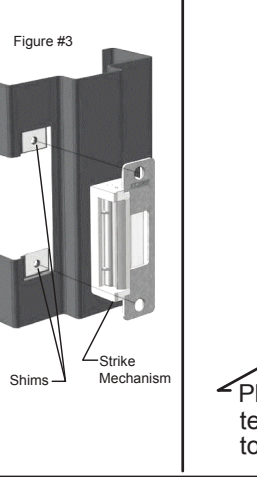
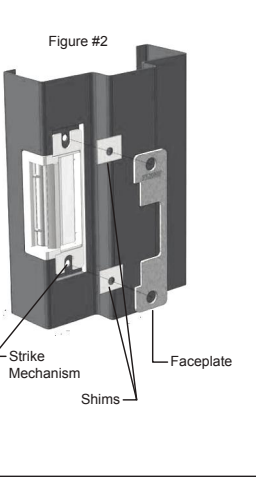
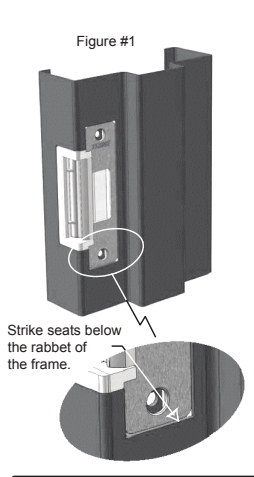
NOTE: The 4100 electric strike has two terminal wires to supply power to two separate solenoids.

USE THE BOTTOM WIRE LEADS ONLY.

- Prepare door frame as shown on page 2 (based on frame type).
- Pull the switched power wires to the door frame. (Caution: Connect the power ONLY as the last step.)

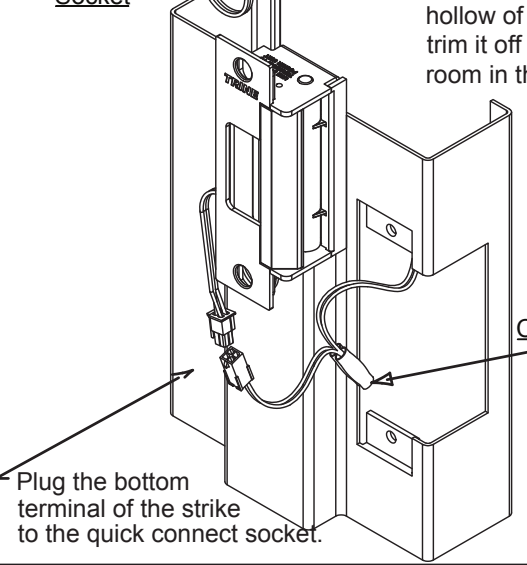
FLUSH TO FRAME

If the 4100 electric strike does not mount flush to the rabbet of the frame, use the enclosed shims to correct this condition. There are two ways of mounting the shim: 1) between the strike mechanism and the faceplate as shown in figure #2 or 2) between the frame mounting tab and the strike mechanism as shown on figure #3.



Quick Connect Socket

The top terminal is not used. Put electrical tape over it, tuck it into the hollow of the frame or trim it off if there is no room in the frame.



WITH SOME LOCKING MECHANISMS

We have included different kinds of shims and trims to help fix problems that are encountered in the field while installing the 4100.

Here for example is a mortise lock with an anti-friction bolt and dead locking trigger with sharp edges see Figure #1. Depending on the mounting relationship of the strike and the lock, the dead locking trigger can wedge between the faceplate and the latch keeper as shown on Figure #2a & 2b. This can create a pre-load condition on the latch keeper which will prevent the strike from unlocking.

Use the latch shim as shown on Figure #3a & 3b to prevent the dead locking trigger from getting trapped between the latch keeper and the strike faceplate. The faceplate must be notched to clear the latch shim (see Figure #3a).

Sharp Edge

Notch to clear the latch shim

Use the latch shim to fix the problem.

Dead Locking Trigger Trapped

Figure #2a

Figure #2b

Figure #3a

Figure #3b



INST.FB53

Constant Latching Flush Bolt with Auxiliary Fire Latch for Metal Doors.

FB53

IVES

Installation Instructions

AUXILIARY FIRE LATCH (BOTTOM)

COVER PLATE

FB31T TOP BOLT

FB53 INSTALLATION INSTRUCTIONS:

- FB53 FLUSH BOLT FITS ANSI 115.4 DOOR AND FRAME PREPARATION.
- REMOVE DOOR. INSTALL FB53.1 TOP FLUSH BOLT IN EDGE OF DOOR. THREAD ROD WITH BOLT INTO TUBE OF FLUSH BOLT AND ADJUST BOLT SO IT IS FLUSH WITH THE TOP OF DOOR WHEN RETRACTED AND BEVEL IS TOWARDS THE PUSH SIDE OF DOOR. FLUSH.
- INSTALL TOP GUIDE.
- INSTALL TOP STRIKE IN STANDARD ANSI FRAME PREPARATION.
- INSTALL RUB PLATE ON EDGE OF ACTIVE DOOR ON CAM CENTERLINES.
- INSTALL FACE PLATE.
- DRILL 4 HOLES WITH #36 DRILL AND 1/2" HOLE ON INACTIVE DOOR FOR AUXILIARY FIRE LATCH AS SHOWN ON SHEET 31.
- DRILL 1" HOLE IN ACTIVE DOOR FOR AUXILIARY FIRE LATCH AS SHOWN ON SHEET 31.
- INSTALL AUXILIARY FIRE LATCH WITH 4 SCREWS.
- INSTALL AUXILIARY FIRE LATCH HOLE PLUG.
- INSTALL COVER PLATE IN EXISTING BOTTOM FLUSH BOLT PREP WITH 2 SCREWS.

FIELD ADJUSTMENT

VERTICAL ROD ADJUSTMENT:

- TOP FLUSH BOLT: REMOVE GUIDE, TURN BOLT CLOCKWISE OR COUNTERCLOCKWISE AS NECESSARY TO ADJUST. REPLACE GUIDE.

NOTE:

- INSTALL COORDINATOR BEFORE CONSTANT LATCHING FLUSH BOLTS.
- THE RECOMMENDED CLEARANCE BETWEEN DOORS IS 1/8" (3).
- CERTIFIED PERSONNEL SHOULD PERFORM FIELD PREP FOR AUXILIARY FIRE LATCH.

NOTE: DIMENSIONS IN () ARE MILLIMETERS.

SCREW DETAILS			
	QTY	MACHINE SCREWS	SHEET METAL SCREWS
HOUSING	4	8-32 X 3/8" UFPHMS	----
FACE PLATE	2	8-32 X 3/8" UFPHMS	----
TOP STRIKE	2	8-32 X 3/8" UFPHMS	#8 X 3" FPHMS W/PLASTIC EXP SHIELD
RUB PLATE	2	----	#6 X 3/4" FPHMS
GUIDE	2	8-32 X 3/8" UFPHMS	----
AUXILIARY FIRE LATCH COVER PLATE	2	8-32 X 3/8" UFPHMS	----

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