



FB53

IVES

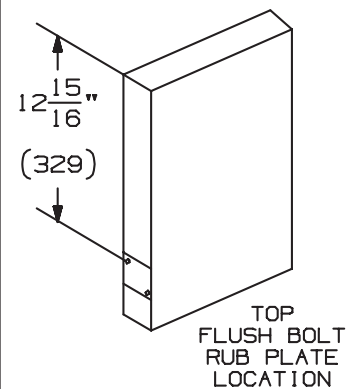
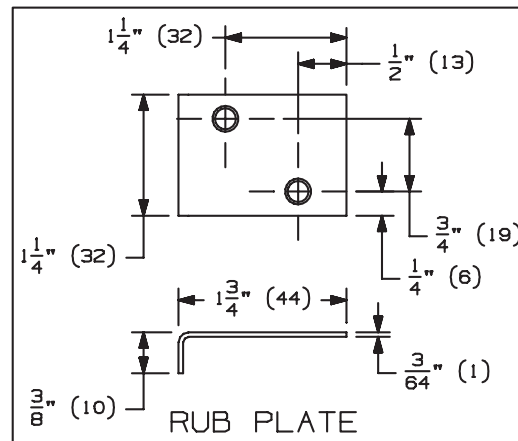
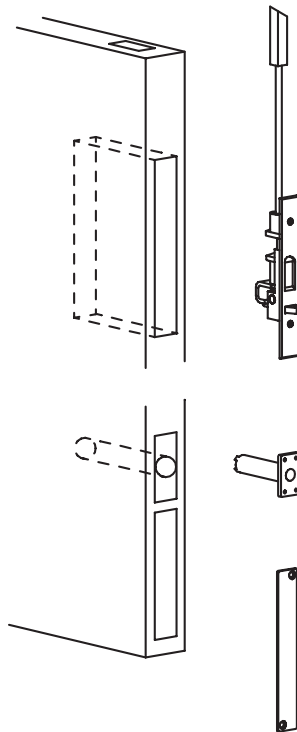
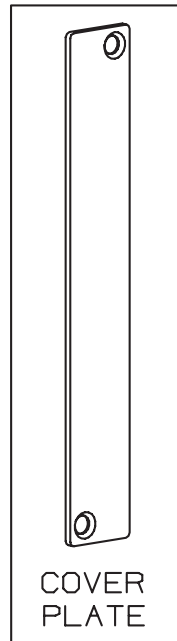
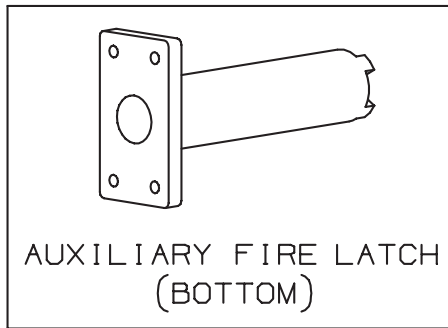
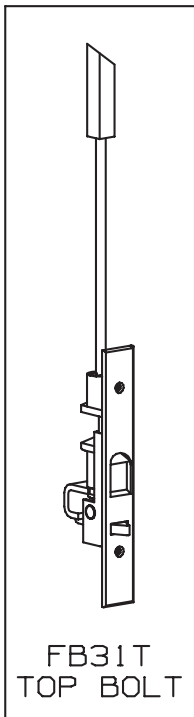
INST.FB53

Constant Latching Flush Bolt
with Auxiliary Fire Latch for Metal Doors

Installation Instructions

FB53 INSTALLATION INSTRUCTIONS:

1. FB51 FLUSH BOLT FITS ANSI 115.4 DOOR AND FRAME PREPARATION.
2. REMOVE DOOR. INSTALL FB51T (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
3. INSTALL TOP GUIDE.
4. INSTALL TOP STRIKE IN STANDARD ANSI FRAME PREPARATION.
5. INSTALL RUB PLATE ON EDGE OF ACTIVE DOOR ON CAM CENTERLINES.
6. INSTALL FACE PLATE.
7. DRILL 4 HOLES WITH #36 DRILL AND $1\frac{7}{8}$ " HOLE ON INACTIVE DOOR FOR AUXILIARY FIRE LATCH (AS SHOWN ON SHEET 3).
8. DRILL 1" HOLE IN ACTIVE DOOR FOR AUXILIARY FIRE LATCH (AS SHOWN ON SHEET 3).
9. INSTALL AUXILIARY FIRE LATCH WITH 4 SCREWS.
10. INSTALL AUXILIARY FIRE LATCH HOLE PLUG.
11. INSTALL COVER PLATE IN EXISTING BOTTOM FLUSH BOLT PREP WITH 2 SCREWS.



FIELD ADJUSTMENT

VERTICAL ROD ADJUSTMENT:

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

NOTE:

1. INSTALL COORDINATOR BEFORE CONSTANT LATCHING FLUSH BOLTS.
2. THE RECOMMENDED CLEARANCE BETWEEN DOORS IS $\frac{1}{8}$ " (3).
3. CERTIFIED PERSONNEL SHOULD PERFORM FIELD PREP FOR AUXILIARY FIRE LATCH.

NOTE: DIMENSIONS IN () ARE MILLIMETERS.

SCREW DETAILS

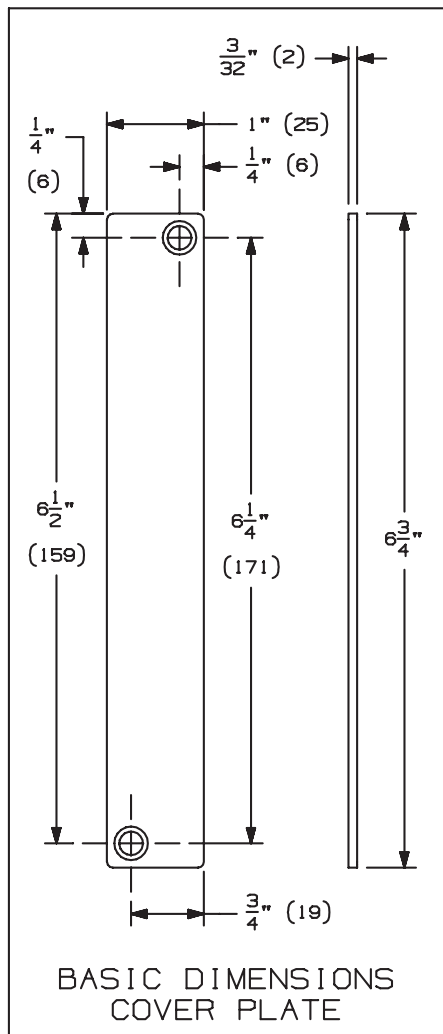
	QTY	MACHINE SCREWS	SHEET METAL SCREWS
HOUSING	4	8-32 X $\frac{3}{8}$ " UFPHMS	----
FACE PLATE	2	6-32 X $\frac{3}{8}$ " UFPHMS	----
TOP STRIKE	2	8-32 X $\frac{3}{4}$ " UFPHMS	#8 X $\frac{3}{4}$ " FPHSMS W/PLASTIC EXP SHIELD
RUB PLATE	2	----	#6 X $\frac{3}{4}$ " FPHSMS
GUIDE	2	8-32 X $\frac{3}{8}$ " UFPHMS	----
AUXILIARY FIRE LATCH	4	----	#6 X $\frac{3}{4}$ " FPHSMS
COVER PLATE	2	8-32 X $\frac{3}{8}$ " UFPHMS	----

Customer Service

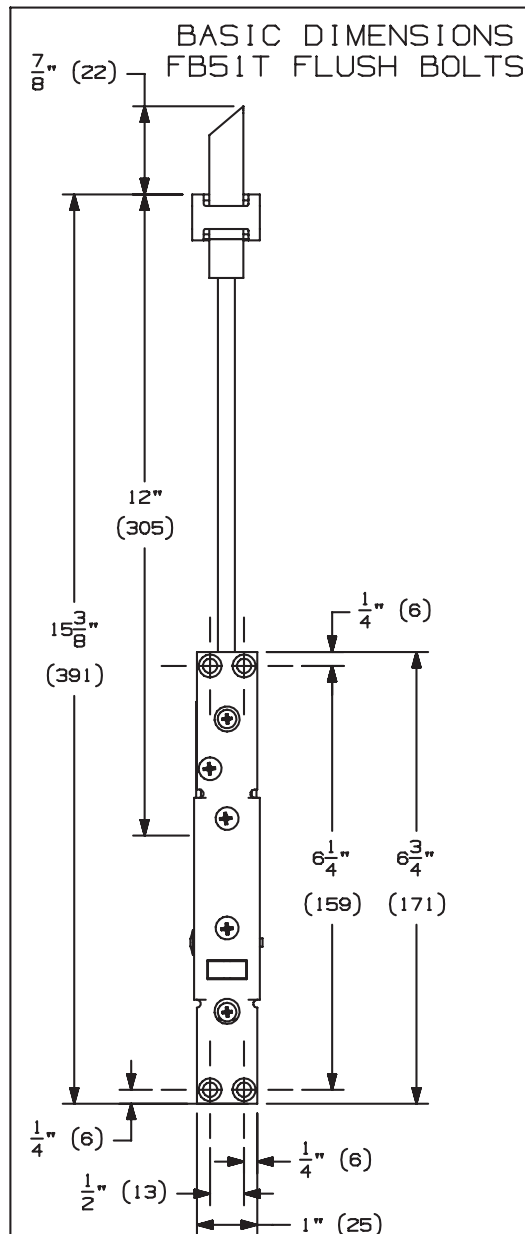
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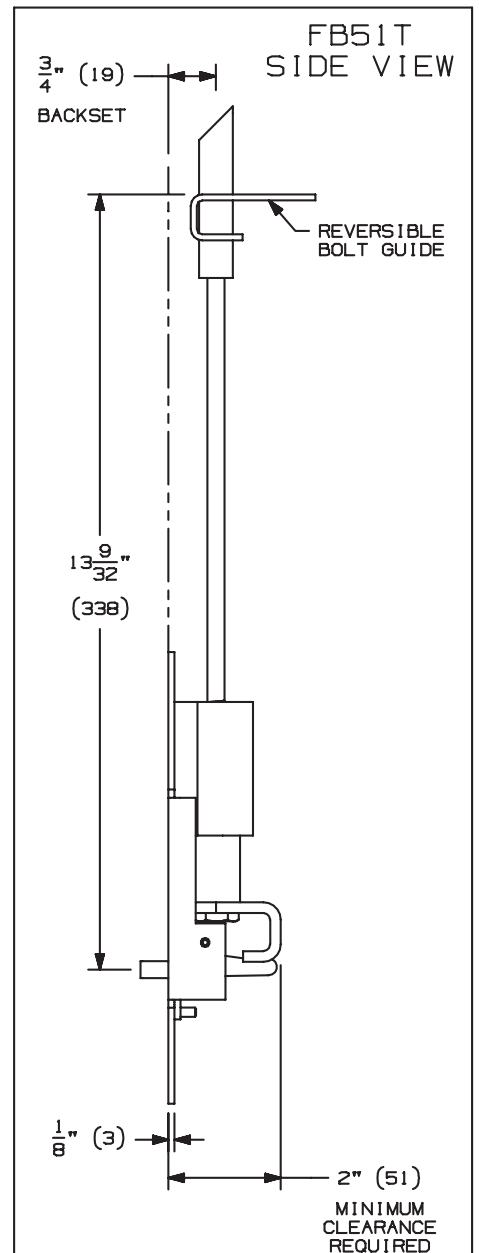
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INST.FB53 Rev. 01/14-b



BASIC DIMENSIONS
COVER PLATE

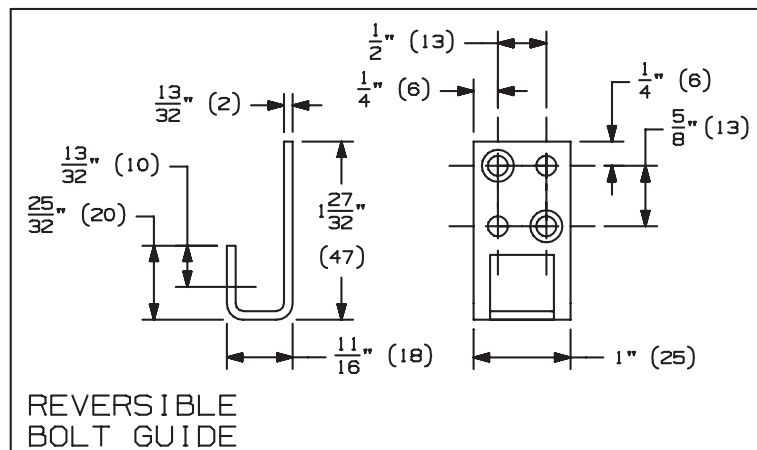


BASIC DIMENSIONS
FB51T FLUSH BOLTS

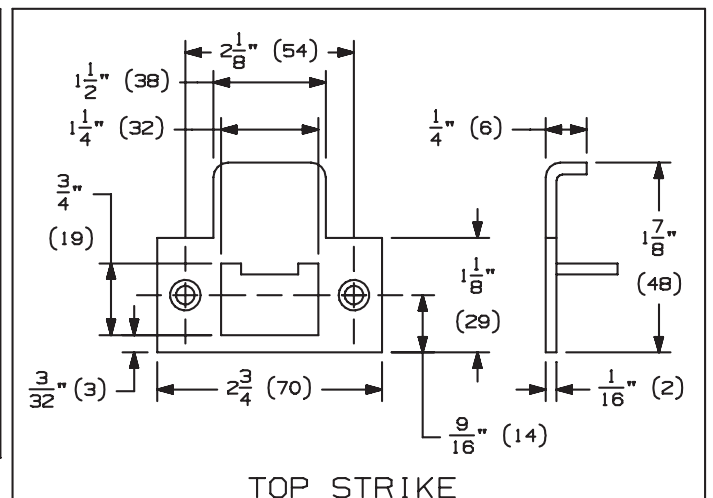


FB51T
SIDE VIEW

MINIMUM
CLEARANCE
REQUIRED



REVERSIBLE
BOLT GUIDE



TOP STRIKE

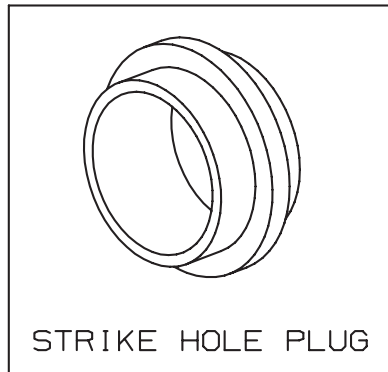
NOTE: DIMENSIONS IN () ARE MILLIMETERS.

LBB FIRE LATCH FOR USE ONLY WITH IVES
FB32, FB33, FB42, FB52, FB53 AND FB62 FLUSH BOLTS

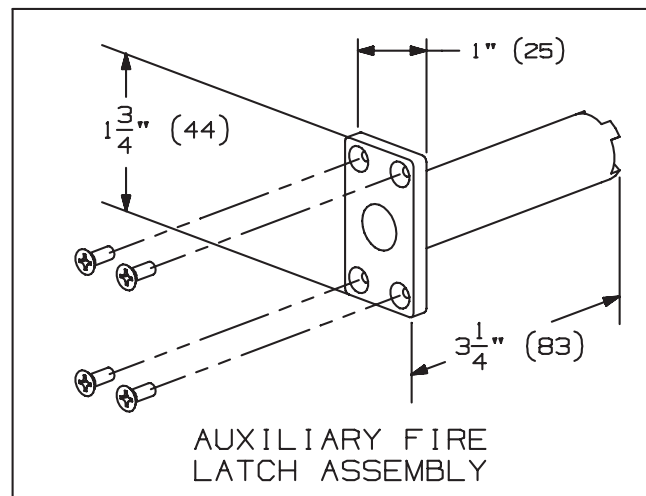
NOTE:

IT DOES NOT MATTER WHICH DOOR LEAF THE AUXILIARY FIRE LATCH IS INSTALLED. HOWEVER, THE LATCH MUST BE INSTALLED TO MAINTAIN FIRE LISTING. THE PURPOSE OF THE AUXILIARY FIRE LATCH ASSEMBLY IS TO KEEP THE DOORS IN ALIGNMENT DURING A FIRE. IN A FIRE, THE BOLT EXTENDS FROM THE AUXILIARY FIRE LATCH INTO THE STRIKE HOLE IN THE OPPOSITE DOOR LEAF. THE BLACK CAP VISIBLE ON THE FACE OF THE LATCH MUST MELT IN ORDER FOR THE BOLT TO EXTEND, THEREFORE:

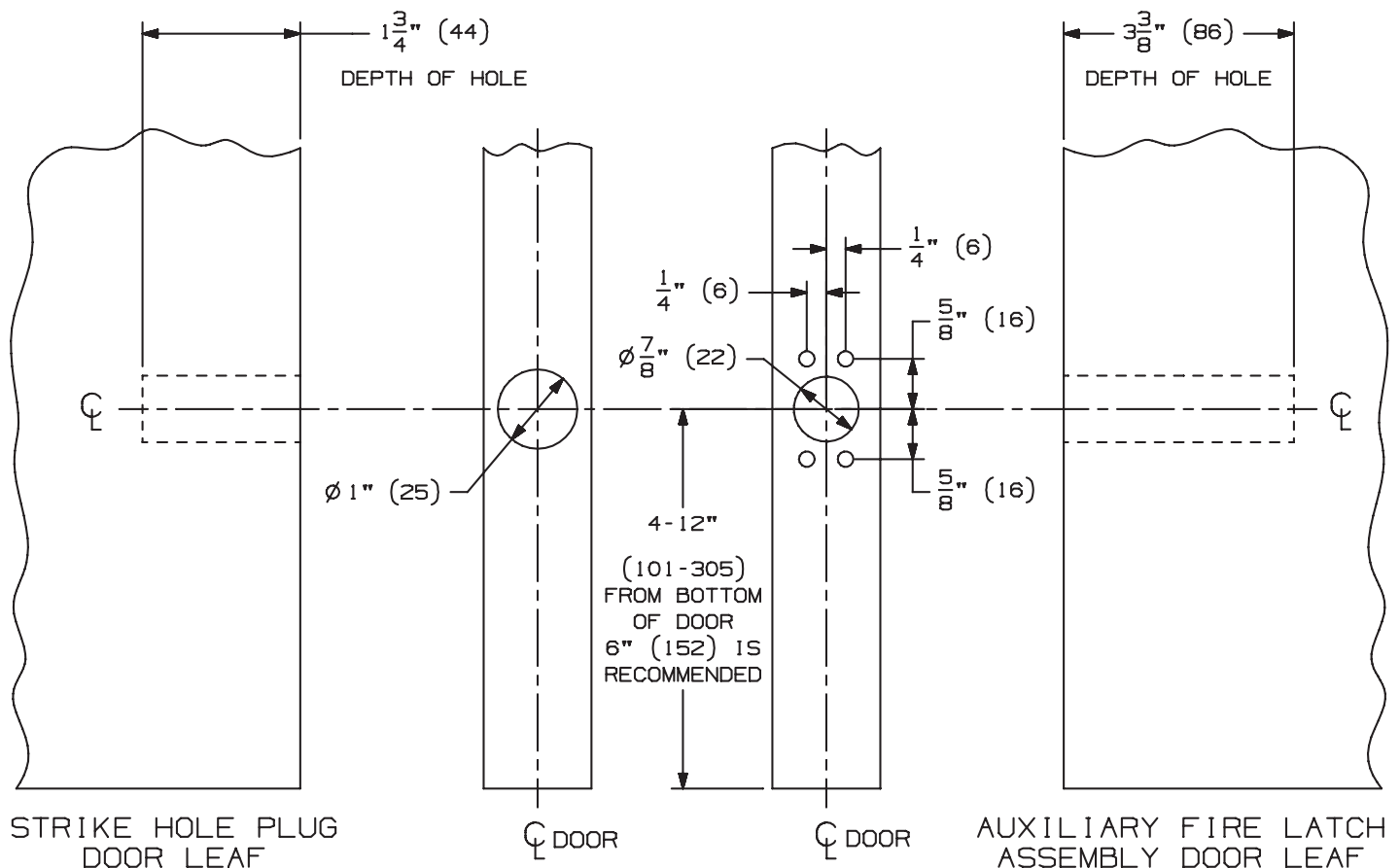
DO NOT COVER THE DOOR GAP AT THE AUXILIARY FIRE LATCH
WITH A DOOR EDGE GUARD OR SIMILAR DEVICE.



STRIKE HOLE PLUG



AUXILIARY FIRE
LATCH ASSEMBLY



STRIKE HOLE PLUG
DOOR LEAF

DOOR

DOOR

AUXILIARY FIRE LATCH
ASSEMBLY DOOR LEAF

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