- All reinforcements shall be constructed of 16 gage material per HMMA 860-92
- Reinforcements provided 5” wide or width of stile.
- Trim reinforcements not provided on outside face when “exit only” is specified.
- All reinforcements shall be constructed of 16 gage material per HMMA 860-92
- Reinforcements provided 5” wide or width of stile.
- Trim reinforcements not provided on outside face when “exit only” is specified.
- Surface vertical rod rein. provided full height of door
All doors with Rim, Mortise, Concealed or Surface Vertical Rods require the auxiliary label shown below.

Not to scale

Concept Frames, Inc.
2015 Industrial Drive, Newton, NC 28658
PH: 888-234-9455  Fax: 800-631-9089
www.ConceptFrames.Com

Drawn By: KX  Date: 2-19-2015

Fire Rated Door with Exit Hardware Auxiliary Label
- Closer reinforcement box will be welded to the top and bottom of door.
- Reinforcement will be butted against strike channel or door edge.
- Clearance will be allowed for top and bottom channels

* See Closer Reinforcement Technical Data Sheet for reinforcement details
Closer reinforcement is fabricated out of 16 gauge.

The closer box is welded to top cap at each end.

Top cap closer assembly is welded to each door skin.

In lieu of closer box, flat plates may be used. Each flat plate shall be of 16 gage and welded to each door skin.
3x weld at hinge projections each side

Tapped for 12-24 machine screws

7 gage hinge reinforcement
1 1/4" x 10"

1/4" standard hinge backset for 1 3/4" thick door.
High frequency hinge reinforcements are typically welded at the top hinge location, but can be used at other hinge locations.
Hollow Metal Door
14 gage Mortise Lock Reinforcement

#12-24 tap (2) extruded holes
1. Bolt backset is 3/4”.
2. Edge preparation for the bottom bolt is centered 12" from the bottom of the door.
3. Location for the top preparation varies by height of door. Specify a location by marking a dimension below.
4. Preparation is centered in door.
5. Tolerance for cutouts is +0.015"/-0.0000".
6. Tolerance for tap hole spacing is +/- 0.005".

Drawn By: KX  Date: 2-19-2015
A.N.S.I. A115.4 Standard
Manual Flush Bolt Preparation
for 1 3/4” Steel Doors
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

AUXILIARY FIRE LATCH ASSEMBLY DOOR LEAF

NOTE: DIMENSIONS IN () ARE MILLIMETERS.
Mortise depth: 3/16" 

C/L of door: 3" 

11 gage reinforcement: 

#12-24 thread: 

Not to scale
Mortise depth

#8-32 thread

11 gage reinforcement

1/16" Mortise depth

2 3/4"  2 1/8"

1 1/8"

C/L of door

#8-32 thread

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Drawn By: KX
Date: 2-20-2015
Hollow Metal Door
Deadlock Strike Preparation