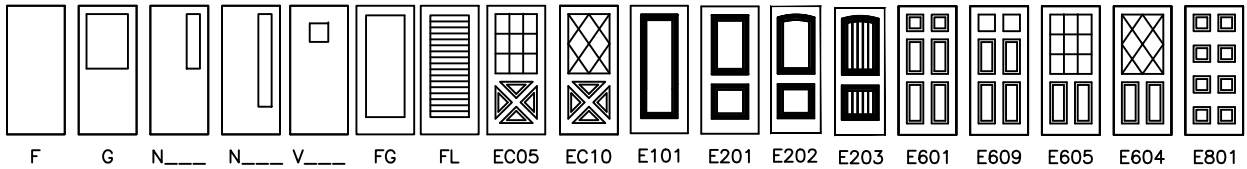


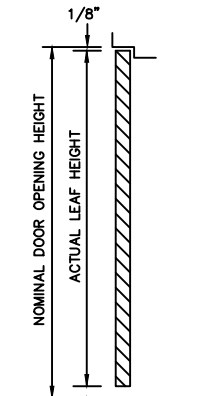
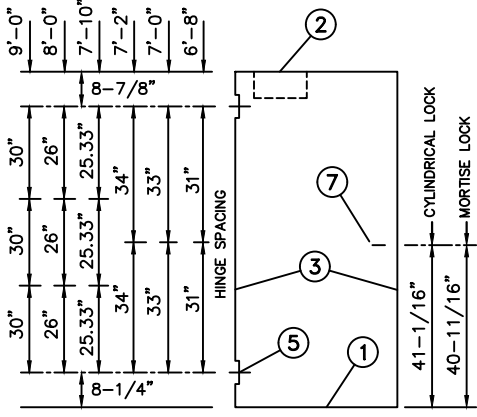
# DOOR DESIGNS



Rigid-plastic trim kits for glass including 1/8" safety glass and glazing (conforming to CPSC Standard 16 CFR 1201 and to ANSI Z-97.1) is standard for embossed non-fire rated doors. 1/2" insulating glass is also available in selected designs.

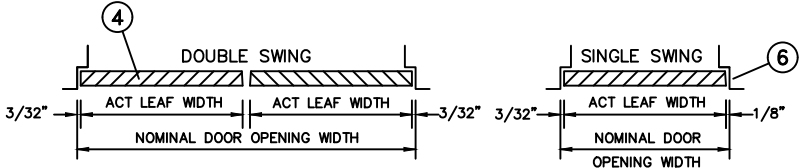
Flush doors with lite cutouts are typically furnished with metal trim kits for lites. Glass and glazing are not included, unless included in contract. Horizontal muntins are available to make various designs. N designs are available in multiple widths & heights. FL designs utilize a 4634 fixed-slat louver.

- Mortise lock prep not available on panel door designs under 3'0" wide.
- 1 & 2-Panel is available in 18 gage only.
- Panel design door face sheets are formed from A40 galvanized steel.
- Flush design door face sheets are formed from cold rolled or galvanized steel.
- 8 & crossbuck panel designs are available in 20 & 18 gage.
- 6 panel is available in 20, 18, & 16 gage.



Finished Floor  
**DOOR ELEVATION**

**VERTICAL SECTION**



**HORIZONTAL SECTIONS**

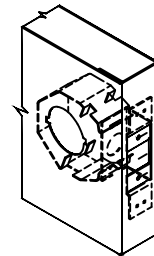
## 1-3/4" IMPERIAL (IU) FLUSH DESIGNS: 20, 18 or 16 GAGE STEEL

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

**FIRE DOORS**  
TEST: UL10B, UL10C, NFPA252 & UL1784  
LABELING AGENCIES:  
UL LLC  
WARNOCK HERSEY  
DESIGNS: F, G, N, V, E1, E2, E6, E8 & ECB.  
RATING: 20 MIN THRU 1-1/2 HR  
MAX. SIZE:  
(20 GAGE) 4'0"x7'0" SINGLE  
6'0"x7'0" PAIR  
RATING: 20 MIN THRU 3 HR  
MAX. SIZE:  
(18 & 16 GAGE) 4'0"x7'0" SINGLE  
6'0"x7'0" PAIR

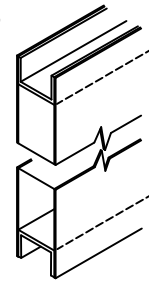
### LOCK PREPARATION ⑦

(LC1)  
GOV. 160/161  
CYLINDRICAL  
LOCK PREP  
(ANSI A115.2)  
2-3/4"  
BACKSET



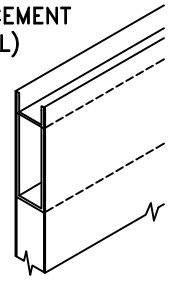
### ① END CHANNELS

INVERTED TOP AND BOTTOM



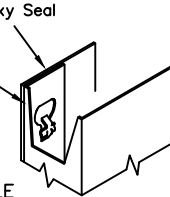
### ② CLOSER REINFORCEMENT (OPTIONAL)

14 GAGE STEEL CHANNEL 20"



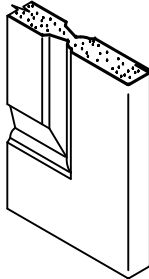
### ③ VERTICAL EDGES

Hairline Seam  
Epoxy Seal  
MECHANICALLY INTERLOCKED HEMMED EDGES  
ALSO AVAILABLE SEAMLESS



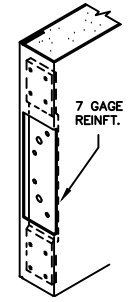
### ④ CORE

FOAMED-IN PLACE POLYURETHANE CORE  
FLUSH DESIGNS SIMILAR LESS EMBOSSED PANEL



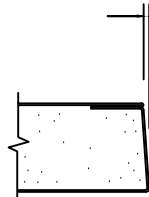
### ⑤ HINGE PREPARATION

4-1/2 OR 5 IN. HIGH, STANDARD OR HEAVY WEIGHT, FULL MORTISE HINGES  
ANSI A156.7 TEMPLATE  
HANDED

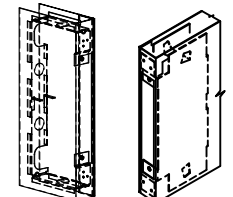


### ⑥ LOCK EDGE

BEVEL 1/8" IN 2"



### LOCK PREPARATION GOV. 86, ANSI/BHMA A115.1 MORTISE TYPE ⑦



(LMO)

NOTE: EITHER OF THE LOCK REINFORCEMENTS/GUARDS SHOWN MAY BE INSTALLED WITH ANY MORTISE LOCK PREPARATION.



ASSA ABLOY

DRAWN BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHK'D BY \_\_\_\_\_ DATE \_\_\_\_\_

SHT \_\_\_\_\_ CONTRACT NO. \_\_\_\_\_  
OF \_\_\_\_\_

ISSUE DATE \_\_\_\_\_ REVISIONS \_\_\_\_\_ BY \_\_\_\_\_

FOR HAND & SWING  
SEE DOOR SCHEDULE

NOTE: FOR GLAZING TRIM OR ASTRAGALS REQUIRED, SEE DOOR SCHEDULE & ACCESSORY SHEET

THERMAL INSULATION VALUE  
SOUND TRANSMISSION  
PHYSICAL ENDURANCE TEST DATA

NFRC 102-2014 & ASTM FLUSH DOOR WITH MERCURY FRAME	R = 2.63	U = 0.38
CORE CALCULATED (ASTM C518)	R = 11.01	U = 0.091
SOUND TRANSMISSION CLASS (STC): 26 F DESIGN, 18 GAGE FACE SHEETS -- ASTM E90 & E413 (FULLY OPERABLE)		
MEETS OR EXCEEDS ANSI A250.4 PERFORMANCE TEST; 20 gage steel (500,000 cycles); 18 & 16 gage steel (1,000,000 cycles).		