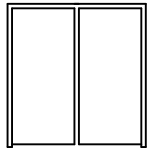


**DOOR DESIGN**



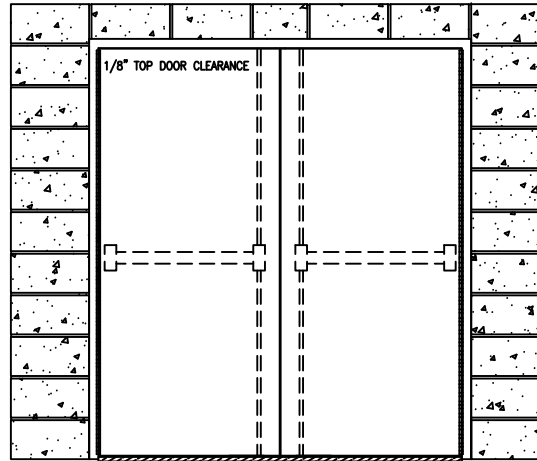
F

**SUGGESTED USE:**  
 DISASTER AND TORNADO &  
 STORM SHELTERS,  
 COMMUNITY SHELTERS,  
 SCHOOL SHELTERS,  
 SCHOOL "SAFE" ROOMS,  
 RESIDENTIAL "SAFE" ROOMS

**OPTIONAL FIRE RATING:**

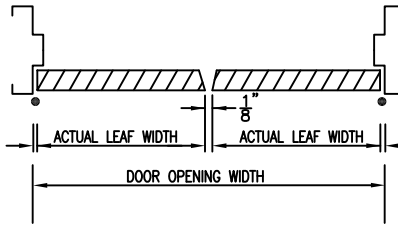
UP TO AND INCLUDING 3 HRS IN  
 UL 10B, UL 10C, UL 1784, & NFPA 252  
 FOR HONEYCOMB CORE DOORS ONLY.

UL CLASSIFIED TO:  
 ICC 500(2014)  
 FEMA P-361 (2015)  
 FEMA P-320 (2014)



DOUBLE SWING ELEVATION

**HORIZONTAL SECTION**



MANUFACTURER'S CONTINUOUS HINGE  
 TEMPLATE WILL DETERMINE CLEARANCE

- 5/8" DOOR UNDERCUT
- 1/8" MAX. BETWEEN BOTTOM OF DOOR AND TOP OF STRIKE
- BOTTOM STRIKE MUST BE ATTACHED TO CONCRETE OR STRUCTURAL STEEL AND ALLOW BOTTOM BOLT TO PROPERLY ENGAGE STRIKE.
- FLOOR MUST BE POURED LEVEL AND FRAME MUST BE INSTALLED SQUARE AND PLUMB TO ALLOW DOORS TO FUNCTION PROPERLY.

**1-3/4" StormPro®  
 Tornado Resistant Door System  
 (Pairs over 6'0" x 7'0" thru 8'0" x 8'0")**

**With Sargent FM8700 Surface Vertical Rod Exit Device**

DESIGNED TO ENDURE TORNADO FORCE WINDS AND FLYING DEBRIS. DEVELOPED TO RESIST MISSILE PENETRATION FOR USE IN BUILDINGS DESIGNED AS SHELTERS OR SAFE ROOMS TO PROTECT OCCUPANTS FROM INJURY. SUCCESSFULLY TESTED AND COMPLIANT TO ICC 500-2014 STANDARD.



DRAWN BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHKD BY \_\_\_\_\_ DATE \_\_\_\_\_

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

ISSUE  
 DATE

REVISIONS

BY

ICC 500-2014  
 IMPACT: 15-LB. 2 X 4 MISSILE @ 100M.P.H.  
 DESIGN PRESSURE: + 246/- 225 PSF  
 TEST PRESSURE: + 296/-270 PSF

**OUTSWING**

SEE DOOR SCHEDULE FOR HAND

**DOOR CONSTRUCTION/FEATURES**

SIZES OVER 6'-0" x 7'-0" UP TO AND INCLUDING 8'-0" X 8'-0", 16 GA. CRS OR A60 GALVANNEALED STEEL FACE SHEETS, 12 GA. LINER, WELDED 14 GA. TOP AND BOTTOM CHANNELS. 14 GA. WELDED TOP CAP. INSULATED CORE IS POLYSTYRENE. FIRE RATED DOOR CORE WILL BE HONEYCOMB.

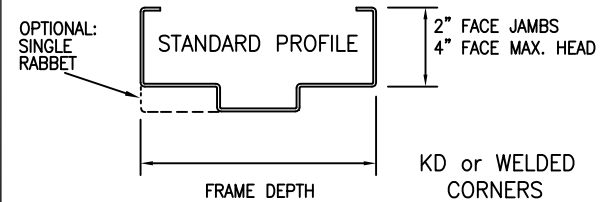
**HARDWARE PREPARATIONS**

**HINGES:** (4) APPROVED BUTT HINGES REQUIRED PER DOOR REGARDLESS OF OPENING HEIGHT. APPROVED CONTINUOUS HINGES WITH CONTINUOUS HINGE REINFORCEMENTS MAY BE USED.

EACH DOOR REINFORCED AND PREPARED FOR SARGENT FM8700 SERIES SURFACE VERTICAL ROD EXIT DEVICE

**FRAME CONSTRUCTION/FEATURES**

14 GAGE CRS OR HOT-DIPPED A60 GALVANNEALED STEEL



**ANCHOR OPTIONS:**

- MASONRY - "T" ANCHORS (12 GAGE)
- MASONRY - WIRE ANCHORS
- EXISTING OPENING ANCHORS W/BOLTS
- WELD TO BUILDING STRUCTURE
- 3/8" SMS/SELF DRILLING SCREWS OR UNC BOLTS TO EMBEDMENT PLATE OR HOST STEEL STRUCTURE. FASTENERS BY OTHERS.
- POURED IN PLACE WALL

FRAMES ARE NOT REQUIRED TO BE GROUTED WHEN USING EXISTING WALL JAMB ANCHORS OR WHEN WELDED TO BUILDING STRUCTURE.

ANCHOR QUANTITY, LOCATION & GROUT REQUIREMENTS: REFERENCE WWW.CECODOOR.COM STORMPRO INSTALLATION INSTRUCTIONS AND ANCHOR SUBMITTAL SHEETS.

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