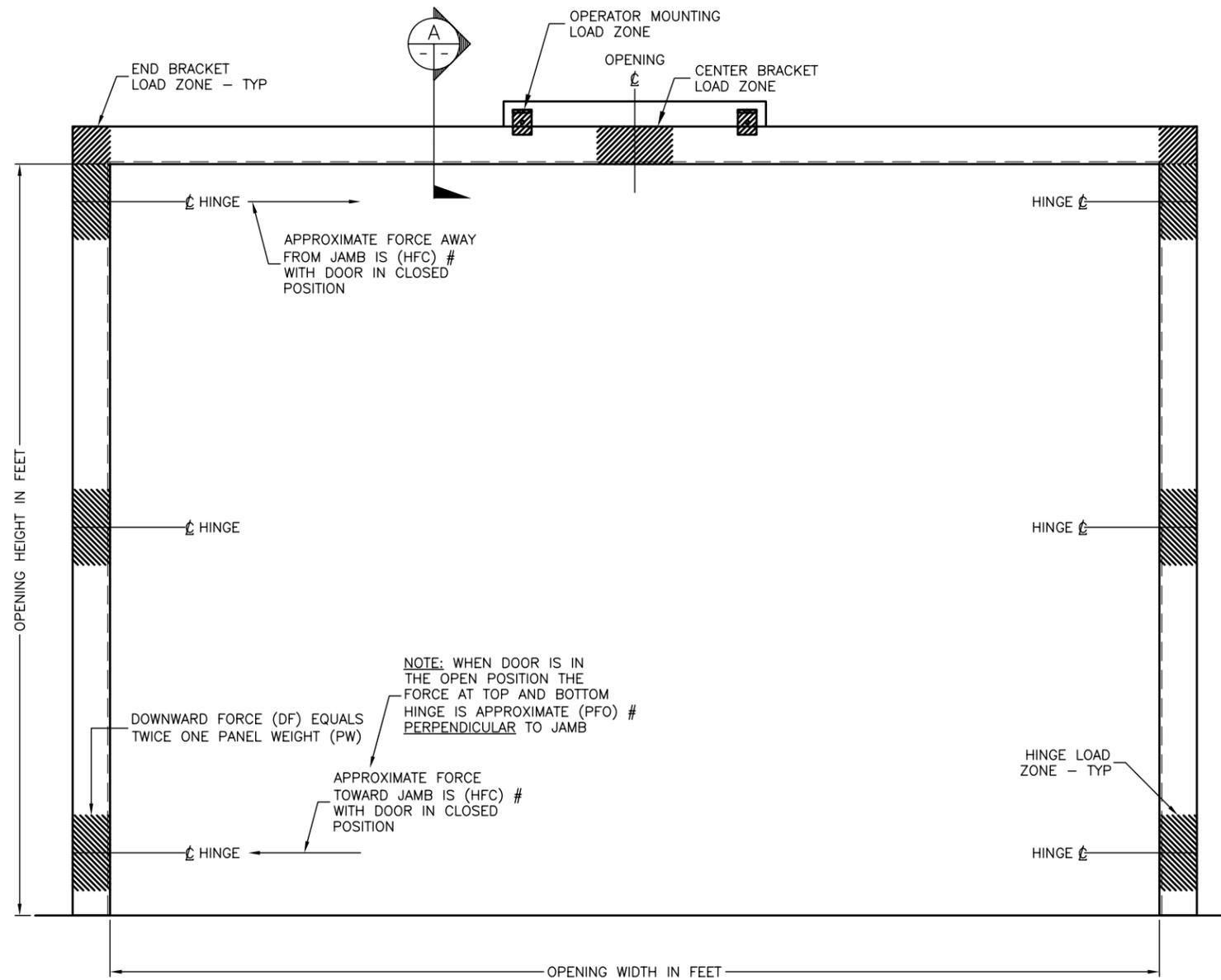
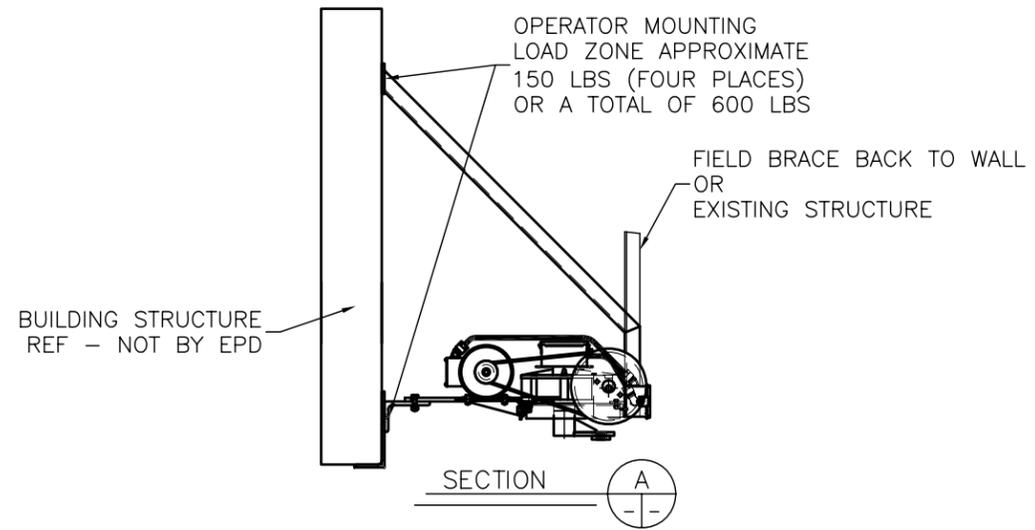


APPROXIMATE FORCES ON OPENING FRAME
OPENING DIMENSIONS ARE IN FEET

- (DF) DOWNWARD FORCE = $(PW \times 2)$
- (PW) PANEL WEIGHT = $(\text{OPENING WIDTH} \times \text{OPENING HEIGHT} \times 10.5) / 4$
- (D1) DIMENSION 1 = $(\text{OPENING WIDTH} / 8) + 0.510$
- (D2) DIMENSION 2 = $(\text{OPENING WIDTH} / 8) \times 3 + 0.510$
- (VL) VERTICAL LEVER = $\text{OPENING HEIGHT} - 1.333$
- (HFC) HORIZONTAL FORCE CLOSED = $(D1 \times PW) + (D2 \times PW) / VL$
- (PFO) PERPENDICULAR FORCE OPEN = $(D1 \times DF) / VL$
- (WL) WIND LOAD = $\text{OPENING WIDTH} \times \text{OPENING HEIGHT} \times (\text{WIND IN POUNDS PER SQUARE FOOT})$

MAXIMUM DESIGN WIND LOAD IS
(WL) # PSF
DIRECTED INWARD AND IS
DISTRIBUTED (NOT EQUALLY)
BETWEEN HINGE LOAD ZONES (6),
END BRACKET LOAD ZONES (2),
AND CENTER BRACKET LOAD ZONE (1).



FORCES ON DOOR FRAME
2" THICK DOOR

APPROXIMATE FORCES ON OPENING FRAME
OPENING DIMENSIONS ARE IN FEET

(DF) DOWNWARD FORCE = (PW x 2)

(PW) PANEL WEIGHT = (OPENING WIDTH x OPENING HEIGHT x 10.5) / 4

(D1) DIMENSION 1 = (OPENING WIDTH / 8) + 0.510

(D2) DIMENSION 2 = (OPENING WIDTH / 8) x 3 + 0.510

(VL) VERTICAL LEVER = OPENING HEIGHT - 1.333

(HFC) HORIZONTAL FORCE CLOSED = (D1 x PW) + (D2 x PW) / VL

(PFO) PERPENDICULAR FORCE OPEN = (D1 x DF) / VL

(WL) WIND LOAD = OPENING WIDTH x OPENING HEIGHT x (WIND IN POUNDS PER SQUARE FOOT)

MAXIMUM DESIGN WIND LOAD IS

(WL) # PSF

DIRECTED INWARD AND IS

DISTRIBUTED (NOT EQUALLY)

BETWEEN HINGE LOAD ZONES (6),

END BRACKET LOAD ZONES (2),

AND CENTER BRACKET LOAD ZONE (1).