EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

FOLLETT CORPORATION
25CI400A/W & 50CI400A/W DISPENSER WITH BASE STAND ACCESSORY

SEISMIC ANCHORAGE

C.G. WT. = (SEE TABLE)

4" (MIN)

10.25" 8.75"

USE B-3/8" HILTI KB-TZ EXPANSION ANCHORS (MIN. EMBEDDED: (H_e) = 2")

SIDE ELEVATION

C.G.

4.15"

11.62" 7.38"

FRONT ELEVATION


WEIGHT = 279 LBS
HORIZONTAL FORCE (E_h) = 0.61 W_b = 170 LBS
VERTICAL FORCE (E_v) = 0.27 W_b = 75 LBS

BOLT FORCES:

TENSION (T)

\[ T_{\text{MAX, M}} = \left( \frac{170 \#(415\times10.25\times0.3)}{2 \text{ bolts} (19\times19)} + \frac{170 \#(415\times11.62)}{2 \text{ bolts} (19\times19)} - \frac{(279\#(0.6) - 75\#(10.25)(11.62)}{2 \text{ bolts} (19\times19)} \right) = 129 \text{ LBS/BOLT (MAX)} \]

SHEAR (V)

\[ V_{\text{MAX, M}} = \frac{170 \#(11.62)}{4 \text{ bolts} (19)} = 26 \text{ LBS/BOLT (MAX)} \]

NOTE:
ARCHITECT OR STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE SUPPORT STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN.
WEIGHT = 279 LBS
HORIZONTAL FORCE (Eh) = 0.97 Wp = 271 LBS
VERTICAL FORCE (Ev) = 0.27 Wp = 75 LBS

BOLT FORCES:

TENSION (T)

\[ T_{\text{MAX}} = \left[ \frac{271 \times (11.25 \times 10.25)}{2 \text{ bolts (19\%)}} \times 0.3 \right] + \frac{271 \times (11.25 \times 11.25)}{2 \text{ bolts (19\%)(19\%)}}, \quad \frac{279 \times (0.2) - 75 \times (10.25 \times 11.25)}{2 \text{ bolts (19\%)(19\%)}} = 213 \text{ LBS/BOLT (MAX)} \]

SHEAR (V)

\[ V_{\text{MAX}} = \frac{271 \times (11.25)}{4 \text{ bolts (19\%)}} = 41 \text{ LBS/BOLT (MAX)} \]

NOTE:
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