

CHATSWORTH PRODUCTS, INC.

WALL MOUNTED ZONE ENCLOSURE

DES. **R. LA BRIE**

JOB NO. **11-0816**

DATE **12/29/09**

SHEET

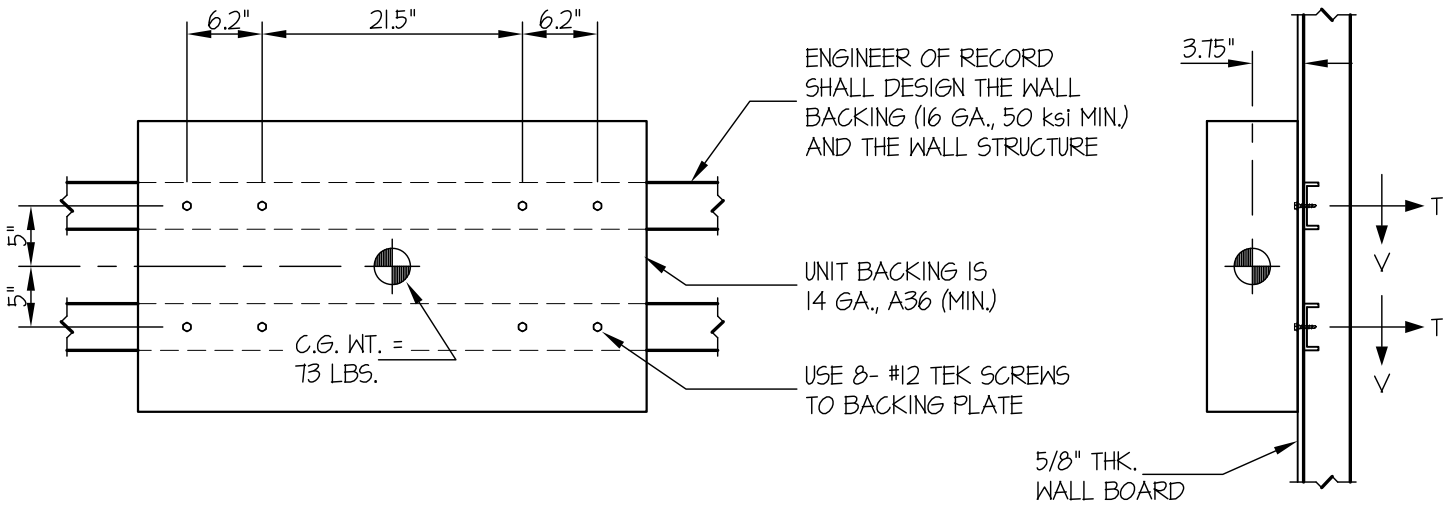
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OF **1** SHEET

SEISMIC ANCHORAGE

OSHDP - AAT-AWM-H WALL MOUNT.PDF

WALL MOUNTED



FRONT ELEVATION

SIDE ELEVATION

$T_{MAX} = 18 \text{ LBS/SCREW}$
 $V_{MAX} = 21 \text{ LBS/SCREW}$

LOADS: PER 2007 CALIFORNIA BUILDING CODE SECTION 1613A AND ASCE 7-05 SECTIONS 12 AND 13.

WEIGHT = 73 LBS

HORIZONTAL FORCE (E_h) = $0.97W_p = 71 \text{ LBS}$

VERTICAL FORCE (E_v) = $0.27W_p = 20 \text{ LBS}$

TENSION (T)

#12 SM SCREWS TO 16 GAGE, 50 KSI

$T_{ALLOW.} = 225 \text{ LBS}$

$V_{ALLOW.} = 570 \text{ LBS}$

$$T_{VERTICAL} = \frac{(73\# + 20\#)3.75''}{4 \text{ SCREWS } (10'')} = 9 \text{ LBS}$$

$$T_{PARALLEL} = \frac{71\#(3.75'')}{4 \text{ SCREWS } (27.7'')} = 2 \text{ LBS}$$

$$T_{PERP.} = \frac{71\#}{8 \text{ SCREWS}} = 9 \text{ LBS}$$

$$T_{MAX} = 9\# + \sqrt{2^2 + 9^2} = 18 \text{ LBS/BOLT (MAX)}$$

SHEAR (V)

$$V_{MAX} = \frac{73\# + 20\# + 71\#}{8 \text{ SCREWS}} = 21 \text{ LBS/BOLT (MAX)}$$

NOTE:

PROVIDE WALL STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN.
(BY ENGINEER OF RECORD FOR THE BUILDING)

