

**CHATSWORTH PRODUCTS, INC.**

**WIRELESS CEILING ENCLOSURE**

DES. **R. LA BRIE**

JOB NO. **11-0816**

DATE **5/24/10**

SHEET

**1**

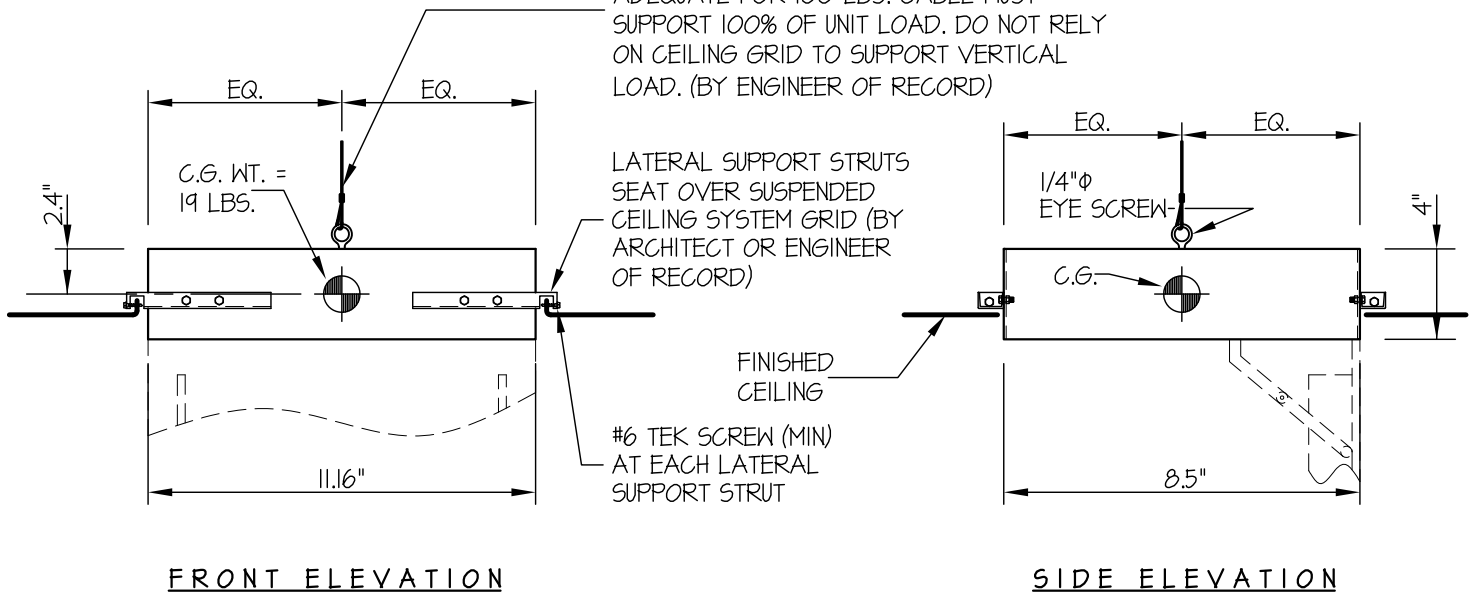
OF **1** SHEET

SEISMIC ANCHORAGE

05HPD- WAO64-CAP CEILING ENCL.PDF

CEILING MOUNTED

1/4"φ STEEL CABLE w/ CABLE TIE TO OVERHEAD SUPPORT STRUCTURE. MUST BE ADEQUATE FOR 100 LBS. CABLE MUST SUPPORT 100% OF UNIT LOAD. DO NOT RELY ON CEILING GRID TO SUPPORT VERTICAL LOAD. (BY ENGINEER OF RECORD)



**NOTES:**

1. FORCES ARE DETERMINED PER 2007 CALIFORNIA BUILDING CODE SECTION 1613A AND ASCE 7-05 SECTIONS 12 AND 13. ALLOWABLE STRESS DESIGN IS USED.

HORIZONTAL FORCE ( $E_h$ ) =  $0.97 W_p$  ( $S_{DS} = 1.93$ ,  $a_p = 1.0$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ )

VERTICAL FORCE ( $E_v$ ) =  $0.27 W_p$

**BOLT FORCES:**

TENSION (T)

$$T = \frac{19\# + 5\#}{1\text{CABLE}} = 24 \text{ LBS/CABLE (MAX)}$$

**NOTE:**

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

