



**EASE**  
**EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING**  
 2801 Connery Way, Suite B  
 Missoula, MT 59808  
 Phn: (406) 541-EASE (3273) Fax: (406) 541-3274

Sheet 1 of 3

**Office of Statewide Health Planning and Development**  
**ANCHORAGE PRE-APPROVAL**

**OPA-1628**

Equipment Manufacturer: Lucasey Mounting Systems

Equipment Type: LC200DS1 Monitor Mount

**GENERAL NOTES**

1. FORCES ARE DETERMINED PER 2001 CBC 1632A.2, EQUATIONS 32-A1, A2 & A3, WHERE  $C_a = .66$ ,  $a_p = 2.5$ ,  $I_p = 1.5$  AND  $R_p = 3.0$   
 PLEASE NOTE THAT THE RESULT FROM EQUATIONS 32-A1, A2 & A3  
 HAVE BEEN REDUCED BY A FACTOR OF 1.4 FOR ALLOWABLE STRESS DESIGN.
2. THIS PRE-APPROVAL CONFORMS TO THE 2001 CALIFORNIA BUILDING CODE.
3. THE DETAILS IN THIS PRE-APPROVAL MAY BE USED AT ANY LOCATION AND AT ANY HEIGHT IN THE STATE OF CALIFORNIA.
4. THE ENGINEER OF RECORD SHALL DESIGN BACKING BARS, STUDS, FRAMES ABOVE THE CEILING, ETC.  
 WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS. THE ENGINEER OF RECORD  
 SHALL ALSO VERIFY THE ADEQUACY OF THE STRUCTURES (SUCH AS WALLS AND FLOORS)  
 WHICH SUPPORT THE UNITS FOR THE LOADS IMPOSED ON THEM BY THE UNITS AS WELL AS ALL OTHER LOADS.  
 ALL WALL BACKING SHALL BE 16 GAGE, MINIMUM.
5. ALL ANCHOR FORCES SHOWN ON THE DRAWINGS ARE WORKING LOADS (AS OPPOSED TO ULTIMATE LOADS)  
 AND MAY BE USED FOR ALLOWABLE STRENGTH DESIGN.



**LUCASEY MOUNTING SYSTEMS**

**LC200DS1 MONITOR MOUNT**

DES. **R. LA BRIE**

JOB NO. **11-0701**

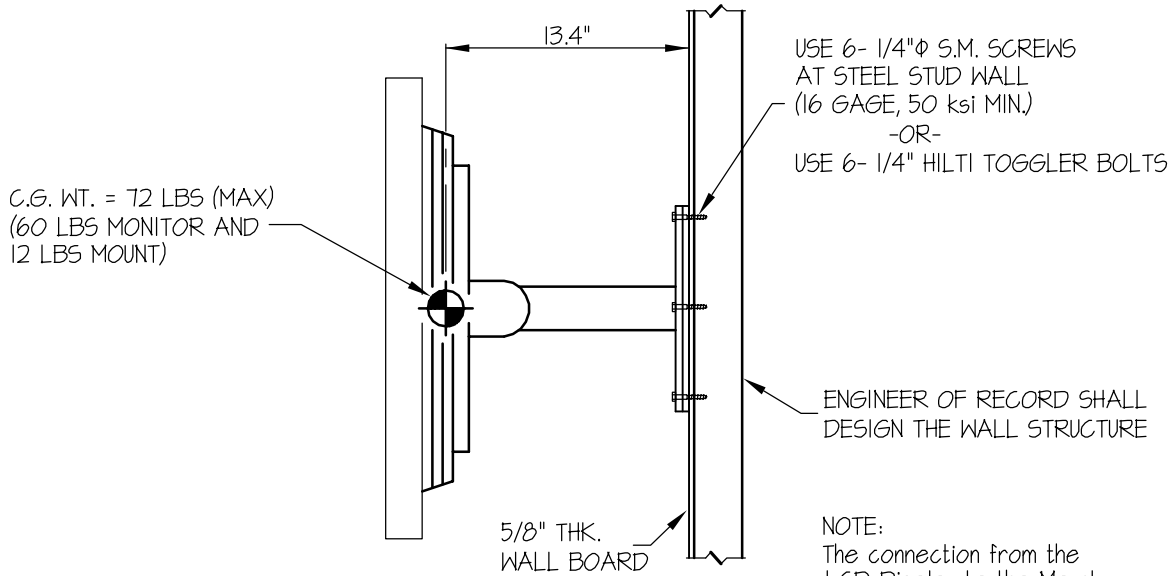
DATE **2/2/07**

SHEET

**2**

OF **3** SHEETS

SEISMIC ANCHORAGE

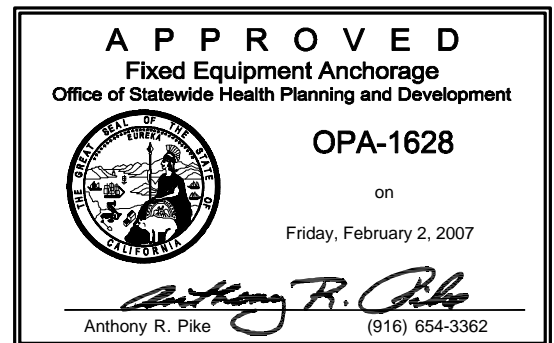


ELEVATION

$T_{MAX} = 141 \text{ LBS/BOLT}$   
 $V_{MAX} = 50 \text{ LBS/BOLT}$

NOTES:

- ANCHORAGE DESIGN PER 2001 CALIFORNIA BUILDING CODE - SECTION 1632A AND HAVE BEEN FACTORED TO REPRESENT WORKING DESIGN LOADS, NOT ULTIMATE.  
 HORIZONTAL FORCE ( $V_H$ ) =  $2.36W$  ( $C_a = .66, I_p = 1.5, a_p = 2.5, R_p = 3$ )  
 VERTICAL FORCE ( $V_V$ ) =  $0.33(V_H)$
- CENTER OF GRAVITY (C.G.) WEIGHT IS A MAXIMUM. THIS PRE-APPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
- ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN, IN ADDITION TO ALL OTHER LOADS.
- SEE GENERAL NOTES: SHEET 1



**LUCASEY MOUNTING SYSTEMS**

**LC200DS1 MONITOR MOUNT**

DES. **R. LA BRIE**

JOB NO. **11-0701**

DATE **2/2/07**

SHEET  
**3**

OF **3** SHEETS

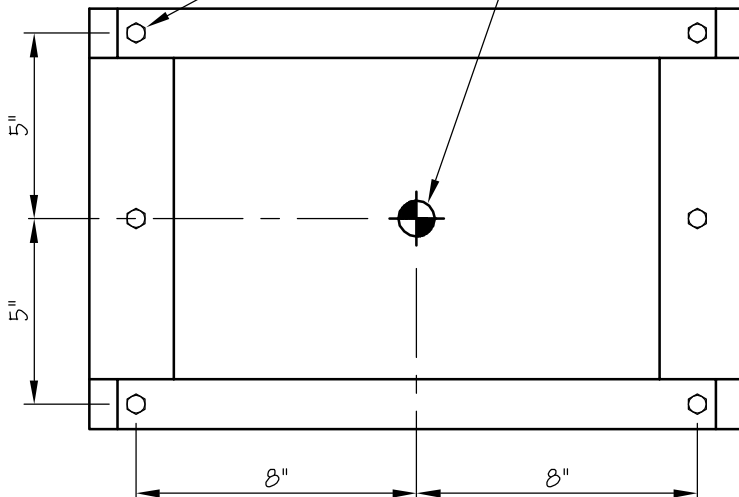
SEISMIC ANCHORAGE

USE 6- 1/4"φ S.M. SCREWS  
 AT STEEL STUD WALL  
 (16 GAGE, 50 ksi MIN.)

-OR-

USE 6- 1/4" HILTI TOGGLER  
 BOLTS

C.G. WT. = 72 LBS (MAX)  
 (60 LBS MONITOR AND  
 12 LBS MOUNT)

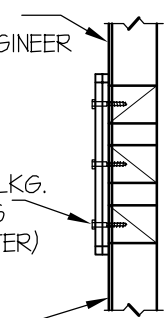


PLAN AT WALL PLATE

2 x STUDS OR 4 x BLKG  
 (DOUGLAS-FIR LARCH  
 NUMBER 2 MIN.)  
 (DESIGNED BY ENGINEER  
 OF RECORD)

USE 6- 1/4"φ X 4"  
 LAG BOLTS TO  
 WOOD STUD OR BLKG.  
 (PRE-DRILL HOLES  
 TO SHANK DIAMETER)

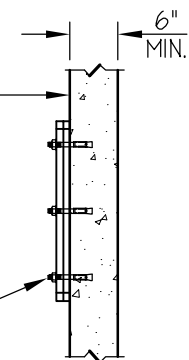
5/8" THK.  
 WALL BOARD



WOOD STUD WALL

CONCRETE WALL  
 (3000 PSI MIN)  
 BY ENGINEER OF  
 RECORD

USE 6- 1/4"φ  
 HILTI KB-III  
 EXPANSION  
 ANCHORS  
 (MIN. EMBED. = 2")



CONCRETE WALL

