

APPLICATION FOR OSHPD PREAPPROVAL

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT **FACILITIES DEVELOPMENT DIVISION**

OFFICE USE ONLY

OF MANUFACTURER'S CERTIFICATION (OPM) APPLICATION #: OPM-0372-13										
OSHPD Preapproval of Manufacturer's Certification (OPM)										
ype: New ☐ Renewal ☐ Update to Pre-CBC 2013 OPA Number:										
Manufacturer Information										
Manufacturer: Lucasey, Inc.										
Manufacturer's Technical Representative: _Ed O'Neill										
Mailing Address: 2744 East 11th Street, Oakland, CA. 94601										
Telephone: On File Email: On File										
Product Information OS DDd										
Product Name: LC200DS1 Monitor Mount										
Product Type: Cantilever OPM-0372-13										
Product Model Number: LC200DS1 BY: Jeffrey Enzler										
General Description: Wall Mount for Flat Panel Monitor										
DATE: 01/31/2017										
Applicant Information										
Applicant Company Name: EASE Co. BUILDING										
Contact Person: _Jonathan Roberson, S.E.										
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709										
Telephone: _(909) 606-7622										
I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.										
Signature of Applicant: Date: 8/3/16										
Title: Principal Engineer Company Name: EASE Co.										

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"







OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT **FACILITIES DEVELOPMENT DIVISION**

Registered Design Professional Preparing Engineering Recommendations									
Company Name: EASE Co.									
Name: Jonathan Roberson, S.E. California License Number: S4197									
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709									
Telephone: 909-606-7622 Email: <u>J.Roberson@EASECo.com</u>									
OSHPD Special Seismic Certification Preapproval (OSP)									
 □ Special Seismic Certification is preapproved under OSP-(Separate application for OSP is required) □ Special Seismic Certification is not preapproved 									
Certification Method(s)									
☐ Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950-16 ☐ Other* (Please Specify):									
*Use of criteria other than those adopted by the California Building Standards Code, 2016 (CBSC 2016) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2016 may be used when approved by OSHPD prior to testing.									
Analysis DATE: 01/31/2017									
Experience Data									
Combination of Testing, Analysis, and/or Experience Data (Please Specify):									
List of Attachments Supporting the Manufacturer's Certification									
 ☐ Test Report ☐ Other(s) (Please Specify): Calculations ☐ Manufacturer's Catalog 									
OFFICE HOLD AND A COURT APPROVAL MALID FOR ODG 2040 9 ALL DDF 2040 CODE DAGED DDG IFCTC									
OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2016 & ALL PRE-2016 CODE BASED PROJECTS Signature: Date: 01-31-2017									
Signature: Date: Date: D1-31-2017 Print Name: Jeffrey Enzler									
Title: DSE									
Condition of Approval (if applicable):									

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





Page 2 of 2



EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622

Office of Statewide Health Planning and Development

PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0372-13

THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE

MANUFACTURER: EQUIPMENT NAME:

LUCASEY MOUNTING SYSTEMS LC200DS1 MONITOR MOUNT

Sheet: <u>1 of 5</u> Date: 9/21/16

GENERAL NOTES

- 1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC
- 2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
- 3. THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN 2.20.
- 4. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE SDS = 2.20, $a_p = 2.5$, $I_p = 1.5$, $R_p = 2.5$, $I_p = 1.5$,
- 5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
- 6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
- 7. SHEET METAL SCREWS SHALL BE TEKS SCREWS BY ITW BUILDEX (ICC ESR-1976).
- 8. CONCRETE WALL DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION. (i.e. z/h < 1)

9. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING

- A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OTHER LOADS.
- B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PREAPPROVAL DOCUMENTS.
- C. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.
- D. VERIFY THAT THE CONCRETE WALL TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR.
- E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY CONCRETE WALL EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).
- F. VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE UNIT ATTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR 6hef FROM THIS UNIT'S ANCHORS.
- G. DESIGN BACKING BARS, STUDS, ETC. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS.



EASE

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

www.EquipmentAnchorage.com

LUCASEY MOUNTING SYSTEMS

LC200DS1 MONITOR MOUNT

DES. J. ROBERSON

JOB NO. 11-1625

DATE 9/21/16

SHEET 2

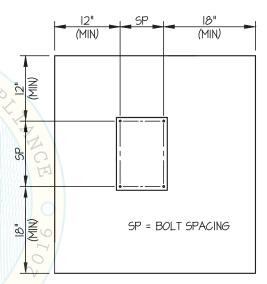
ғ 5 знеетз

9. EXPANSION ANCHORS:

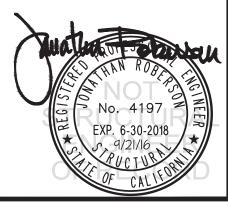
A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT.

Anchor Diameter	Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Eff. Embed.	Min. Spacing	Min. Edge Dist.	Min. Conc. Thickness	Torque Test	Direct Tension
1/4"	Normal Weight	3000	Hilti Kwik HUS	ESR-3027	1.92"	5"	12"	6"	N/A	779

- B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE WALL EDGES, 12" AWAY MINIMUM (i.e. CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.
- C. TESTING OF CONCRETE SCREW ANCHORS PER 2016 CBC, 1910A.5:
 TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL
 INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE
 SUBMITTED TO OSHPD
 - (i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST AT LEAST 50% OF THE ANCHORS.
 - (ii) ACCEPTANCE CRITERIA:
 - DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO
 OBSERVABLE MOVEMENT AT THE TEST LOAD, A PRACTICAL WAY
 TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER
 BECOMES LOOSE.
 - (iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.
- D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE SCREW ANCHORS
- E. PROVIDE FOR FULL THREAD ENGAGEMENT OF NUT & WASHER. IN G



TYPICAL CONCRETE EDGE DETAIL



EASE

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

www.EquipmentAnchorage.com

LUCASEY MOUNTING SYSTEMS

DES. J. ROBERSON

9/21/16

JOB NO. 11-1625

DATE

of 5 sheets

UNIT BACKING

(14 GA, A1008-12A, Fu = 28 ksi (MIN.))

WALL MOUNTED

SHEET

LC200DS1 MONITOR MOUNT

_Ø

SEISMIC SUPPORTS & ATTACHMENTS

USE 6- I/4" PTEK SCREWS
W/ STANDARD WASHER
AT STEEL STUD WALL
STRUCTURAL ENGINEER
OF RECORD SHALL DESIGN

THE WALL STRUCTURE (16 GA, 50 ksi (MIN.))

C.G. WT. = 70 LB (MAX) - (60 LB MONITOR AND IO LB MOUNT) NOTE: SCREWS SHALL BE
INSTALLED AT THE
OUTSIDE EDGE OF
THE SLOTS AS SHOWN

STEEL STUD AND WOOD STUD SECTIONS

Tu = 240 LB/SCREW (MAX) Vu = 98 LB/SCREW (MAX)

CONCRETE WALL SECTIONS
Tu = 383 LB/SCREW (MAX)

Vu = 233 LB/SCREW (MAX)

_

<u>_</u>

ELEVATION AT WALL PLATE

Jeffrey Enzler

PM-0372-13

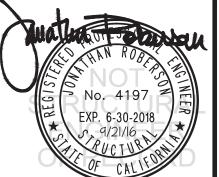
NOTES:

1. FORCES ARE DETERMINED PER 2016 CALIFORNIA BUILDING CODE AND ASCE 7-10.

STRENGTH DESIGN IS USED. (Sps = 2.20, a_p = 2.5, I_p = 1.5, R_p = 2.5, Ω_0 = 2.5, z/h < 1)

HORIZONTAL FORCE (En) = 3.96 Wp HORIZONTAL FORCE (Emh) = 9.90 Wp (FOR CONCRETE ANCHORAGE) VERTICAL FORCE (Ev) = 0.44 Wp

- 2. CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
- 3. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN, IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- 4. SEE GENERAL NOTES: SHEETS 1 & 2.



EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

www.EquipmentAnchorage.com

LUCASEY MOUNTING SYSTEMS

LC200DS1 MONITOR MOUNT

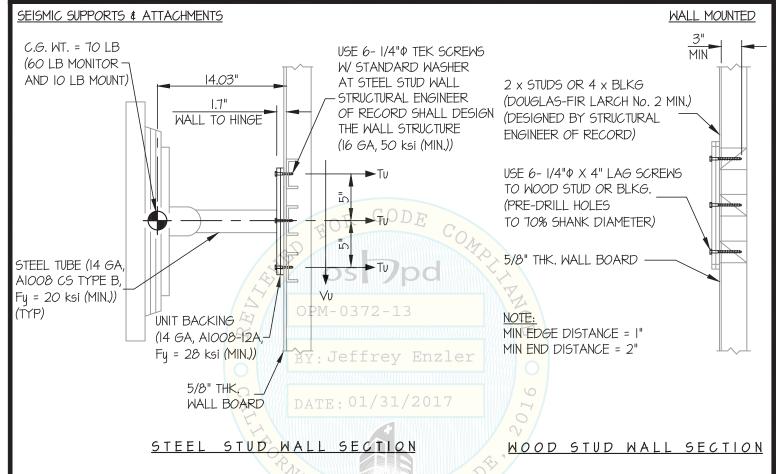
DES. J. ROBERSON

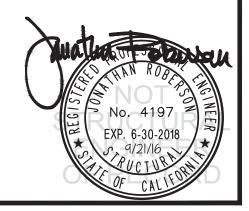
11-1625 JOB NO.

9/21/16 DATE

SHEET

SHEETS





EASE

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

www.EquipmentAnchorage.com

LUCASEY MOUNTING SYSTEMS

LC200DS1 MONITOR MOUNT

DES. J. ROBERSON

JOB NO. 11-1625

DATE 9/21/16

SHEET 5

5 знеетз

