



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL
OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY

APPLICATION #: OPM-0530-19

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal Update to Pre-CBC 2013 OPA Number: _____

Manufacturer Information

Manufacturer: Medical Design

Manufacturer's Technical Representative: Gilles Langevin

Mailing Address: 3985 rue Alfred-Laliberte, Boisbriand, Quebec, J7H 1P7 Canada

Telephone: On File

Email: On File

Product Information

Product Name: Prestige Series Horizontal Service Chase (Surface Mount)

Product Type: Other Electrical and Mechanical Components

Product Model Number: N/A

General Description: Wall Mounted Headwall Supplying Medical Utilities

Applicant Information

Applicant Company Name: EASE Co.

Contact Person: Mr., John Roberson

Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709

Telephone: (909) 606-7622

Email: J.Roberson@EASECo.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2019.

Signature of Applicant: _____

Date: 4/4/19

Title: Principal Engineer

Company Name: EASE Co.



**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: J.Roberson@EASECo.com

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, 2019 (CBSC 2019) 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 2019 may be used when approved by OSHPD prior to testing.

- Analysis
- Experience Data
- Combination of Testing, Analysis, and/or Experience Data (Please Specify): _____

List of Attachments Supporting the Manufacturer's Certification

- Test Report Drawings Calculations Manufacturer's Catalog
- Other(s) (Please Specify): _____

OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2019 & ALL PRE-2019 CODE BASED PROJECTS

Signature:  Date: 4/17/2020

Print Name: Jeffrey Kikumoto

Title: Senior Structural Engineer

Condition of Approval (if applicable): _____

**EASE****EQUIPMENT ANCHORAGE
& SEISMIC ENGINEERING**5877 Pine Ave, Ste. 210
Chino Hills, CA. 91709
Phn: (909) 606-7622Office of Statewide Health Planning and Development
PREAPPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0530-19**THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE**MANUFACTURER: **MEDICAL DESIGN**
EQUIPMENT NAME: **PRESTIGE SERIES HORIZONTAL CHASE**Sheet: 1 of 4
Date: 11/6/19GENERAL NOTES

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2019 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2019 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 2019 CALIFORNIA BUILDING CODE.
4. FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE $S_{Ds} \leq 2.20$, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \leq 1$.
5. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE S_{Ds} IS NOT GREATER THAN 2.20.
6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
7. SHEET METAL SCREWS SHALL BE TEK SCREWS (ICC ESR-1976). 7/2020
8. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
9. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING
 - A. PROVIDE SUPPORTING STRUCTURE REQUIRED TO SUPPORT WEIGHTS AND FORCES SHOWN, IN ADDITION TO ALL OTHER LOADS.
 - B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL. VERIFY THAT THE ACTUAL EQUIPMENT'S WEIGHT, CG LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS AND THE MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PREAPPROVAL DOCUMENTS.
 - C. VERIFY THAT THE COMBINATION OF S_{Ds} & z/h RESULT IN SEISMIC FORCES (E_h , E_v) THAT ARE NOT GREATER THAN THE VALUES ON THE DETAILS.
 - D. DESIGN BACKING BARS, STUDS, ETC. HILTI SELF-DRILING AND SELF-PIERCING SCREW WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS.

BY: Jeffrey Kikumoto



MEDICAL DESIGN

DES. **J. ROBERSON**

SHEET

2

JOB NO. **11-1827**

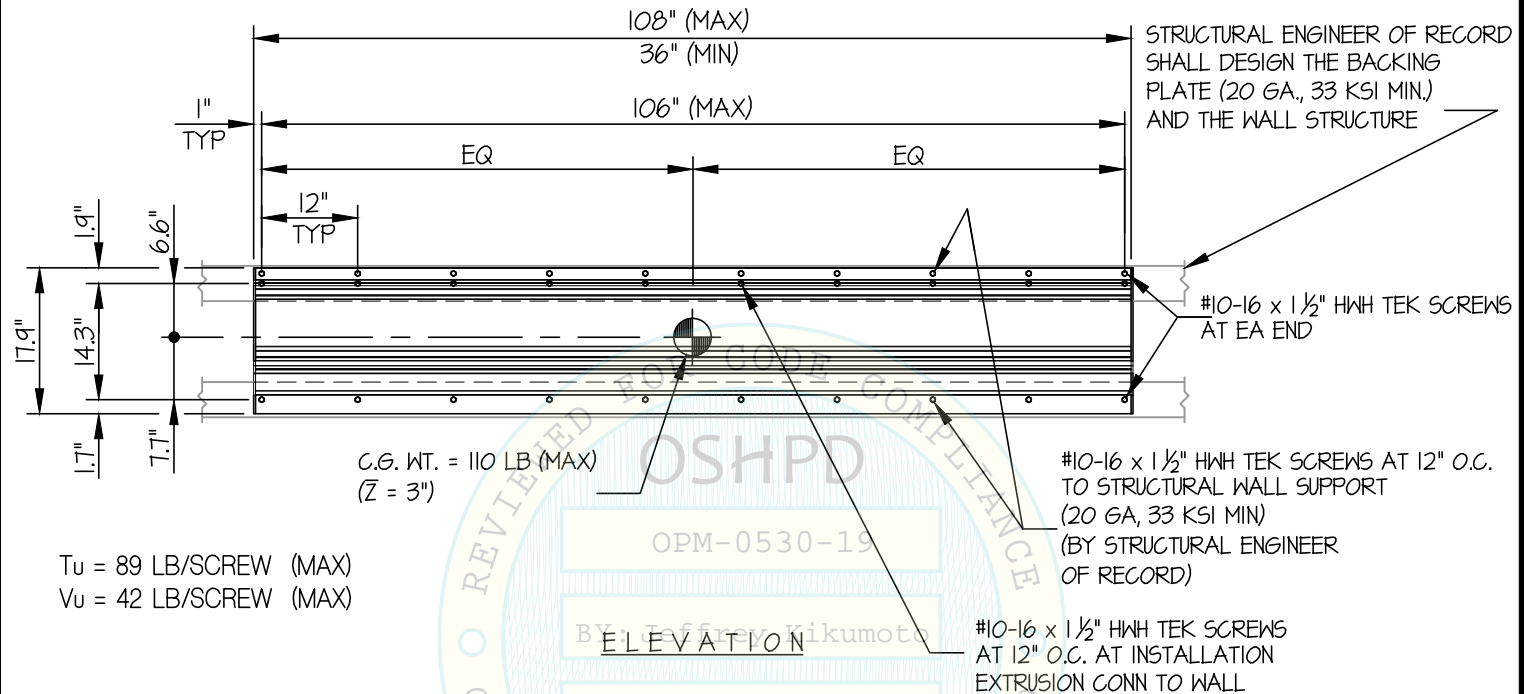
DATE **11/6/19**

OF **4** SHEETS

PRESTIGE SERIES HORIZONTAL CHASE

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



NOTES:

- FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16 STRENGTH DESIGN IS USED. ($S_{ds} = 2.20$, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \leq 1$)

HORIZONTAL FORCE (E_h) = $2.64 W_p$

VERTICAL FORCE (E_v) = $0.44 W_p$

- CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
- 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.
- SEE GENERAL NOTES: SHEETS 1



MEDICAL DESIGN

DES. **J. ROBERSON**

SHEET

3

JOB NO. **11-1827**

DATE **11/6/19**

OF **4** SHEETS

PRESTIGE SERIES HORIZONTAL CHASE

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

#10-16 x 1 1/2" HWH TEK SCREWS
AT 12" O.C. AT INSTALLATION
EXTRUSION CONN TO WALL

STRUCTURAL ENGINEER OF RECORD
SHALL DESIGN THE BACKING
PLATE (20 GA., 33 KSI MIN.)
AND THE WALL STRUCTURE

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

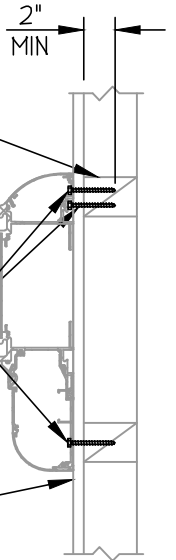
C.G. WT. =
110 LB (MAX)

#10-16 x 1 1/2" HWH TEK SCREWS
AT 12" O.C. TO STRUCTURAL
WALL SUPPORT (20 GA, 33 KSI MIN)
(BY STRUCTURAL ENGINEER
OF RECORD)

#10 x 3" PAN HEAD
WOOD SCREWS TO
WOOD STUD OR BLKG.
(PRE-DRILL PILOT HOLES)
(THE QUANTITY AND SPACING
OF WOOD SCREW SHALL BE
SAME AS METAL SCREW)

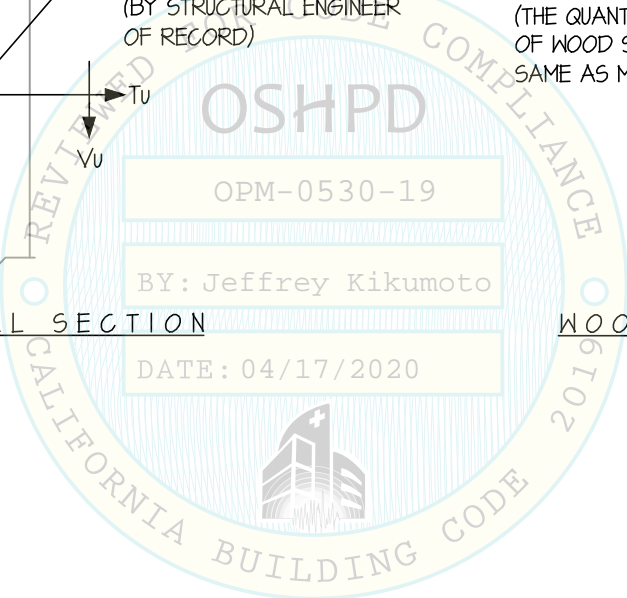
5/8" THK.
WALL BOARD

5/8" THK.
WALL BOARD



STEEL STUD WALL SECTION

WOOD STUD WALL SECTION



MEDICAL DESIGN

DES. J. ROBERSON

SHEET

4

JOB NO. 11-1827

DATE 11/6/19

OF 4 SHEETS

PRESTIGE SERIES HORIZONTAL CHASE

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

#10-16 x 1 1/2" HHW TEK SCREWS
AT 12" O.C. AND AT ENDS

HORIZONTAL CHASE
(1/8" THK MIN, ALUM 6063-T5,
F_y=16 KSI MIN)

STRUCTURAL ENGINEER OF RECORD
SHALL DESIGN THE BACKING
PLATE (20 GA., 33 KSI MIN.)
AND THE WALL STRUCTURE

#10-16 x 1 1/2" HHW TEK SCREWS
AT 12" O.C. AT INSTALLATION
EXTRUSION CONN TO WALL
(SEE SHEET 3 OF 4 FOR THE
ATTACHMENT TO WOOD STUD WALL)

INSTALLATION EXTRUSION
(3/16" THK MIN, ALUM 6063-T5,
F_y=16 KSI MIN)

BY: Jeffrey Kikumoto
5/8" THK.
WALL BOARD

DATE: 04/17/2020

DETAIL "A"

