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

OFFICE USE ONLY

**APPLICATION #: OPM-0579**

## OSHPD Preapproval of Manufacturer's Certification (OPM)

**Type:** [X] New [ ] Renewal/Update

## Manufacturer Information

Manufacturer: Enovate

Manufacturer's Technical Representative: Steven Godbey

Mailing Address: 1152 Park Ave., Murfreesboro, TN 37129

Telephone: (615) 896-1652 Email: steve.godbey@enovatemedical.com

## Product Information

Product Name: e997 Work Stations

Product Type: Cantilever

Product Model Number: e997

General Description: Wall Mounted Computer Station



## Applicant Information

Applicant Company Name: EASE LLC.

Contact Person: Tiffany Tonn

Mailing Address: 1515 FAIRVIEW AVE, STE 205, MISSOULA, MT 59801

Telephone: (406) 541-3273 Email: tiffany@easeco.com

Title:

## Registered Design Professonal Preparing Engineering Recommendations

Company Name: EASE LLC

Name: Jonathan Roberson California License Number: S4197

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

Telephone: (909) 606-7622 Email: jon@easeco.com

## OSHPD Special Seismic Certification Preapproval (OSP)

☐ Special Seismic Certification is preapproved under OSP OSP Number:

## Certification Method

Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950-16

☐ Other(s) (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):



## OSHPD Approval

Date: 12/3/2020

Name: Keh-Shin Chi 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) 606-7622

Office of Statewide Health Planning and Development

# PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

# OPM-0579

**THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE**

MANUFACTURER: **Enovate**

EQUIPMENT NAME: **e997 WORK STATION**



Date: 11/25/20

## GENERAL 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 $S_{DS}$ = 2.30, $a_p$ = 2.5, $I_p$ = 1.5, $R_p$ = 2.5, $z/h \leq 1$.
5. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE SDS IS NOT GREATER THAN 2.30.
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. WOOD SCREWS SHALL CONFROM TO ANSI/ASME B18.6.1 & NDS.
9. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
10. 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. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS.

REGISTERED PROFESSIONAL ENGINEER
JONATHAN ROBERSON
No. 4197
EXP. 6-30-2022
STRUCTURAL
STATE OF CALIFORNIA
11/25/20

# Enovate

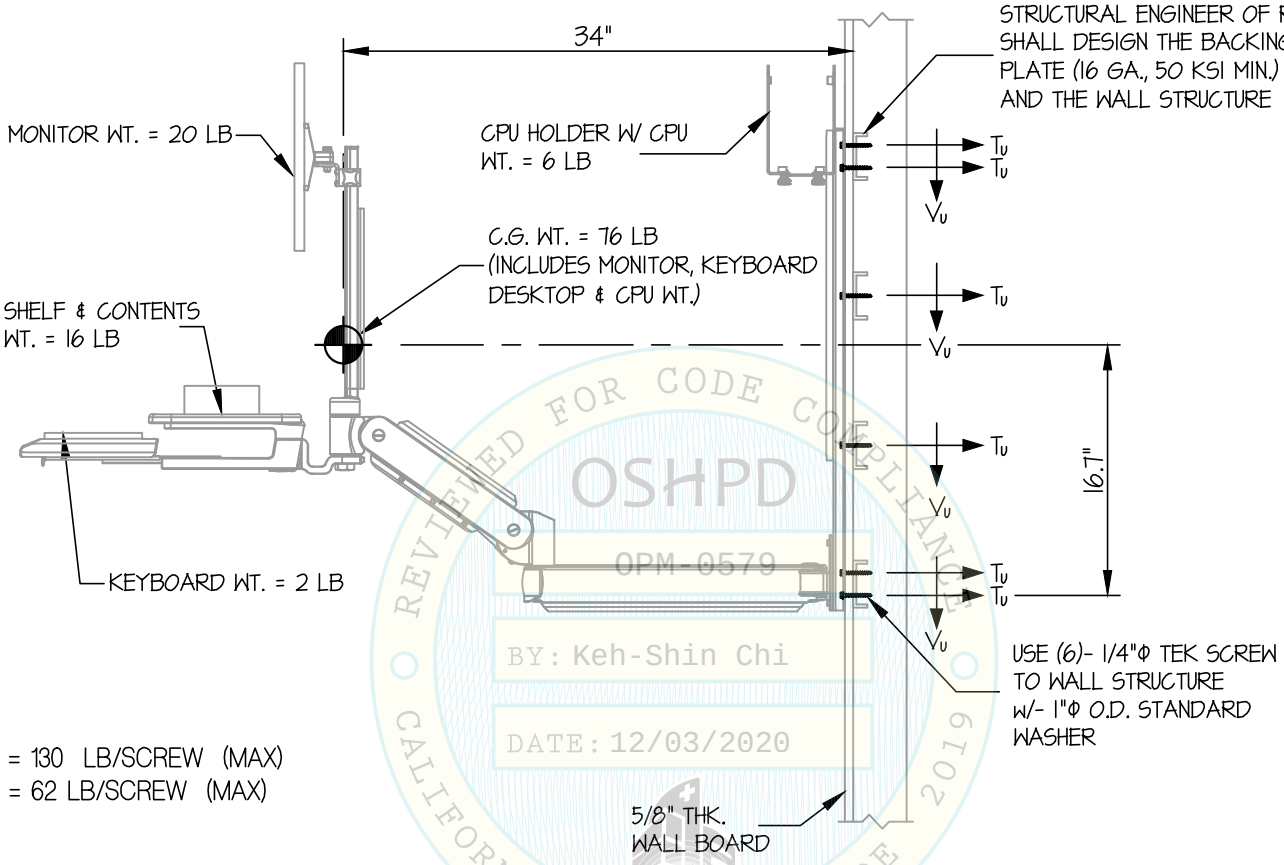
## e997 WORK STATION

DES. J. ROBERSON
JOB NO. 11-2001
DATE 11/25/20

SHEET 2 OF 5 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED




Tu = 130 LB/SCREW (MAX)
Vu = 62 LB/SCREW (MAX)

STEEL STUD WALL SECTION



NOTES:

1. **FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16.**
   STRENGTH DESIGN IS USED. ($S_{DS}$ = 2.30, $a_p$ = 2.5, $I_p$ = 1.5, $R_p$ = 2.5, $z/h \leq 1$)

   HORIZONTAL FORCE ($E_h$) = 4.14 $W_p$
   VERTICAL FORCE ($E_v$) = 0.46 $W_p$

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

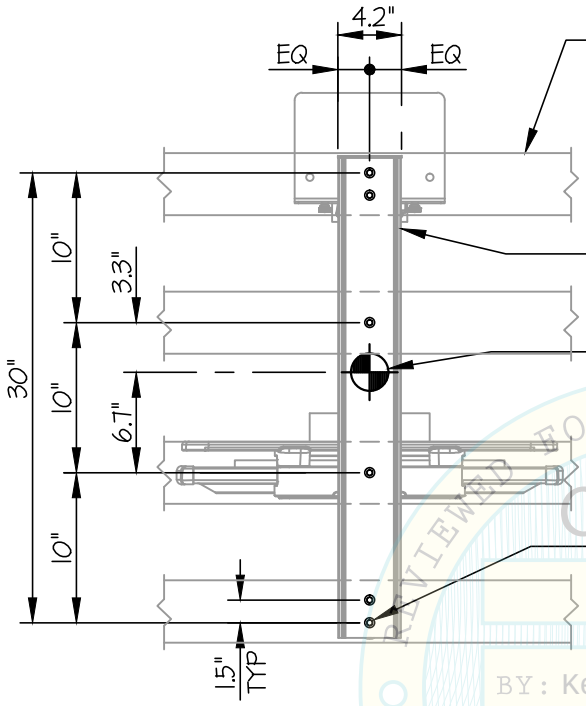
# Enovate

## e997 WORK STATION

DES. J. ROBERSON
JOB NO. 11-2001
DATE 11/25/20

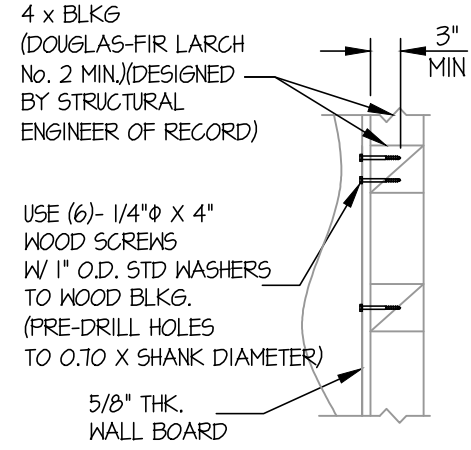
SHEET 3 OF 5 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS




ELEVATION AT WALL PLATE

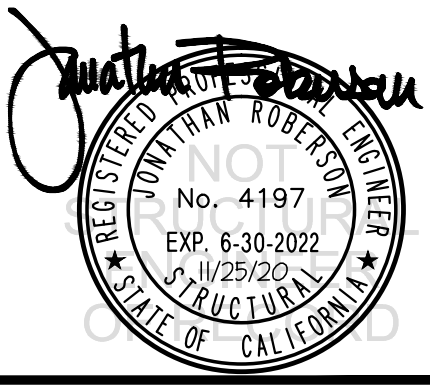
WALL MOUNTED




NOTE:
MIN EDGE DISTANCE = 1"
MIN END DISTANCE = 2"

WOOD STUD WALL SECTION



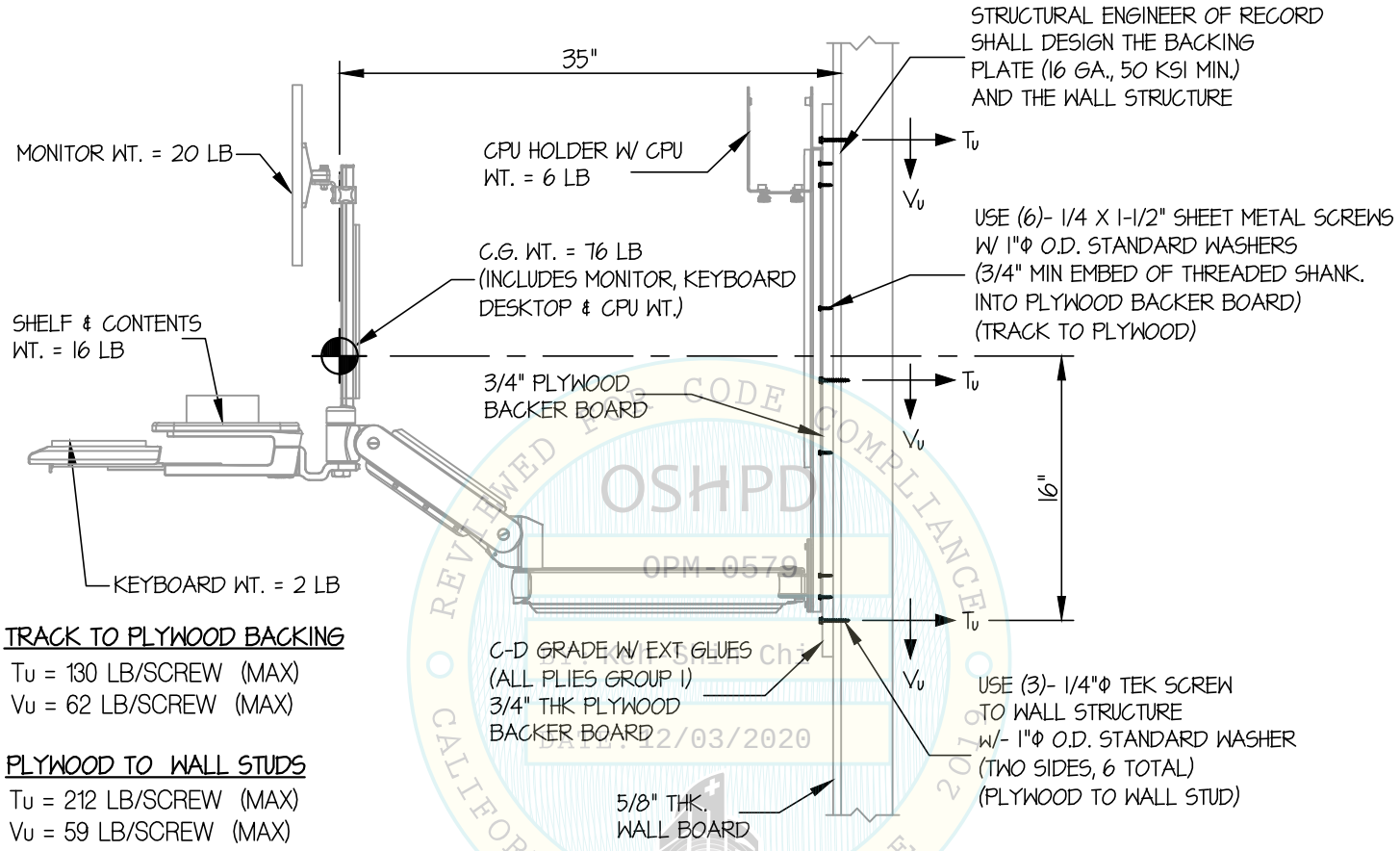


# Enovate

# e997 WORK STATION

DES. J. ROBERSON
JOB NO. 11-2001
DATE 11/25/20
SHEET 4 OF 5 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — WITH BACKER BOARD OPTION — WALL MOUNTED




STEEL STUD WALL SECTION

**TRACK TO PLYWOOD BACKING**
Tu = 130 LB/SCREW (MAX)
Vu = 62 LB/SCREW (MAX)

**PLYWOOD TO WALL STUDS**
Tu = 212 LB/SCREW (MAX)
Vu = 59 LB/SCREW (MAX)

NOTES:

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4. SEE GENERAL NOTES: SHEETS 1

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

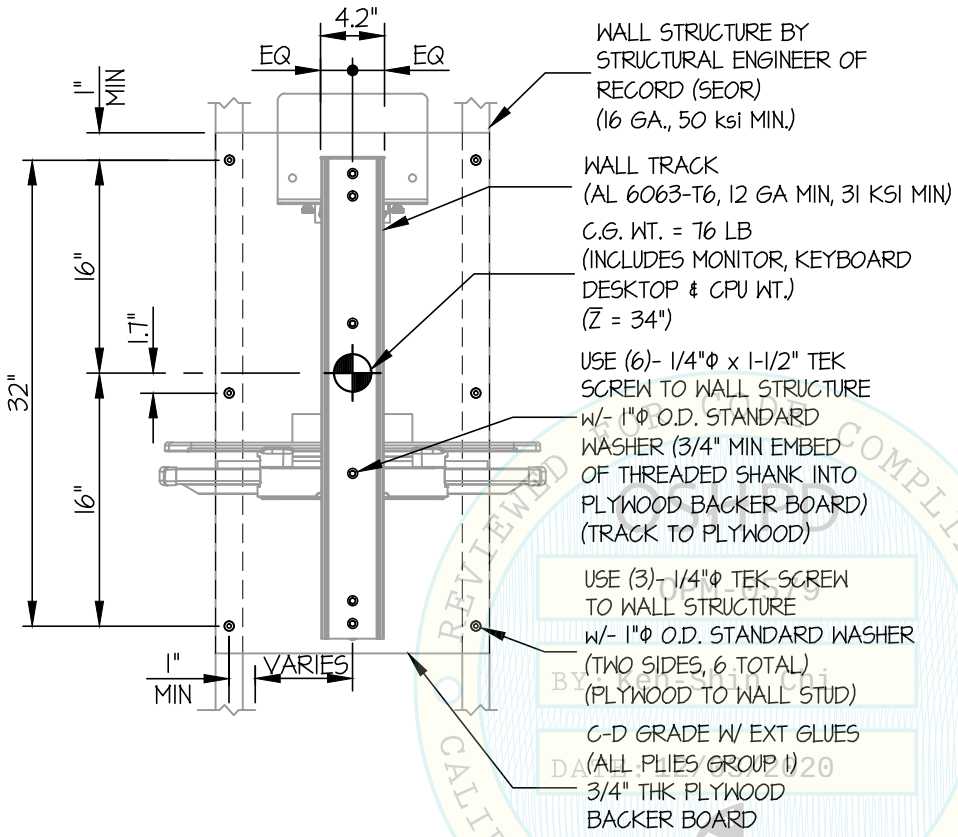
# Enovate

# e997 WORK STATION

DES. J. ROBERSON
JOB NO. 11-2001
DATE 11/25/20
SHEET 5 OF 5 SHEETS

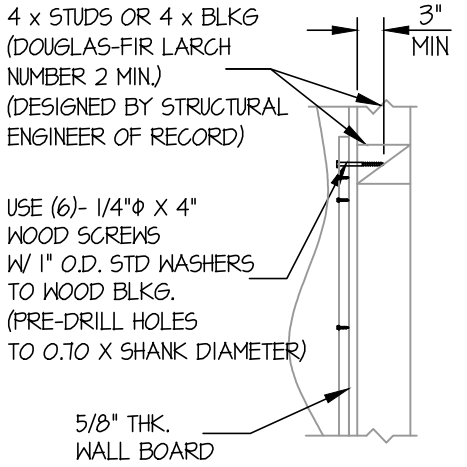
SEISMIC SUPPORTS & ATTACHMENTS

WITH BACKER BOARD OPTION




ELEVATION AT WALL PLATE

WALL MOUNTED




NOTE:
MIN EDGE DISTANCE = 1"
MIN END DISTANCE = 2"

WOOD STUD WALL SECTION