



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

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

OFFICE USE ONLY

**APPLICATION #: OPM-0578**

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

Type:  New  Renewal/Update

**Manufacturer Information**

Manufacturer: Enovate

Manufacturer's Technical Representative: Steve Godbey

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

Telephone: (615) 896-1652

Email: steve.godbey@enovatemedical.com

**Product Information**

Product Name: e550, e750, e850 Work Stations

Product Type: Other Electrical & Mechanical Components, Cantilever

Product Model Number: e550, e750, e850

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: \_\_\_\_\_

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





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

**Registered Design Professional Preparing Engineering Recommendations**

Company Name: EASE LLC

Name: Kevin Paul Burke

California License Number: CE57152

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

Telephone: (909) 606-7622

Email: kevin@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: 11/14/2021

Name: William Staehlin

Title: Senior Structural Engineer

Condition of Approval (if applicable): \_\_\_\_\_





**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-0578**

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

MANUFACTURER: **Enovate**  
EQUIPMENT NAME: **e550, e750 & e130 WORK STATIONS**

Sheet: 1 of 5  
Date: 11/12/21

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  $S_{Ds} \leq 2.30$ ,  $a_p = 1.0$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ ,  $z/h \leq 1$ .
5. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE  $S_{Ds}$  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. 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. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS.

BY: William Staehlin



**Enovate**

DES. **J. ROBERSON**

SHEET

**2**

JOB NO. **11-2001**

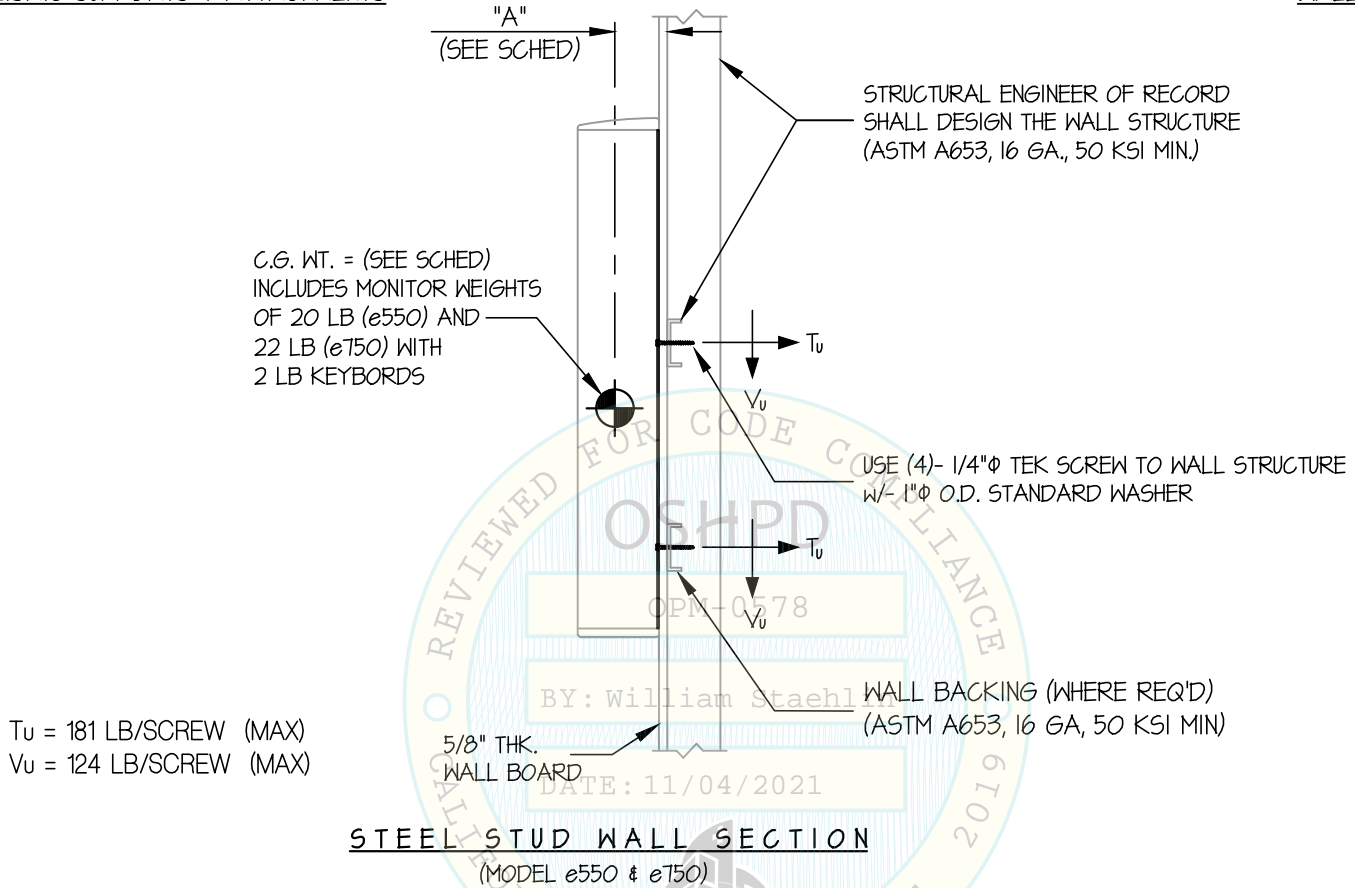
**e550, e750 & e130 WORK STATIONS**

DATE **11/12/21**

OF **5** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



$T_u = 181$  LB/SCREW (MAX)  
 $V_u = 124$  LB/SCREW (MAX)

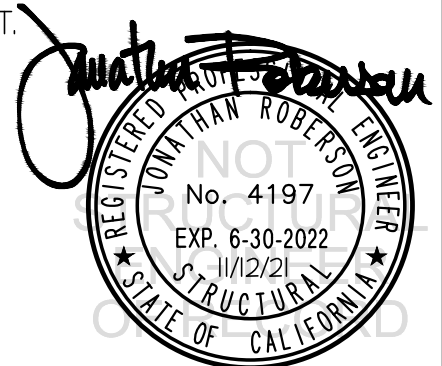
NOTES:

- FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16.** STRENGTH DESIGN IS USED. ( $S_{ds} = 2.30$ ,  $a_p = 1.0$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ ,  $z/h \leq 1$ )

HORIZONTAL FORCE ( $E_h$ ) =  $1.66 W_p$

VERTICAL FORCE ( $E_v$ ) =  $0.46 W_p$

- 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



### Enovate

### e550, e750 & e130 WORK STATIONS

DES. **J. ROBERSON**

JOB NO. **11-2001**

DATE **11/12/21**

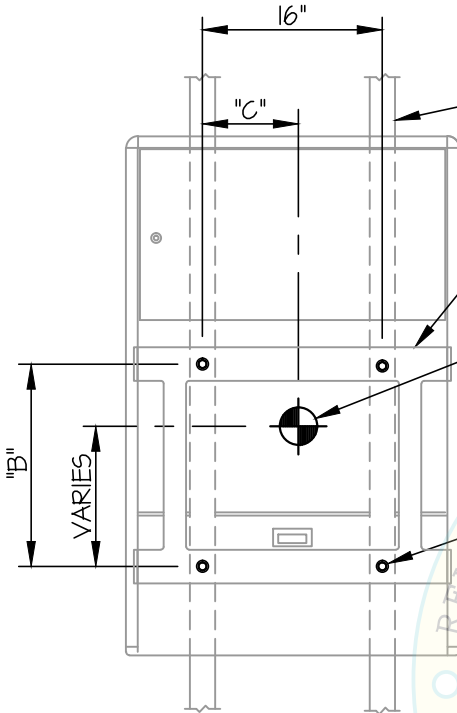
SHEET

# 3

OF **5** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



STRUCTURAL ENGINEER OF RECORD SHALL DESIGN THE WALL STRUCTURE (ASTM A653, 16 GA., 50 KSI MIN.)

UNIT BACKING IS (10 GA, A569, Fy= 38 KSI MN)

C.G. WT. = (SEE SCHED)  
INCLUDES MONITOR WEIGHTS OF 20 LB (e550) AND 22 LB (e750) WITH 2 LB KEYBOARDS

USE (4)- 1/4"Φ TEK SCREW TO WALL STRUCTURE w/- 1"Φ O.D. STANDARD WASHER

2 x STUDS OR 4 x BLKG (DOUGLAS-FIR LARCH No. 2 MIN.)(DESIGNED BY STRUCTURAL ENGINEER OF RECORD)

USE 4- 1/4"Φ X 4" WOOD SCREWS TO WOOD STUD OR BLKG. (PRE-DRILL HOLES TO 70% SHANK DIAMETER)

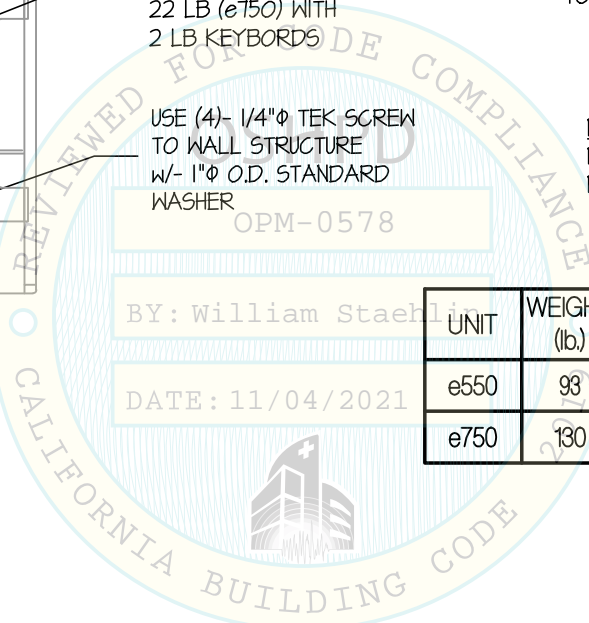
5/8" THK. WALL BOARD

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

#### WOOD STUD WALL SECTION

BY: William Staehlin  
DATE: 11/04/2021

UNIT	WEIGHT (lb.)	"A" (in.)	"B" (in.)	"C" (in.)	Tu (lb.)	Vu (lb.)
e550	93	3.93	15	8.5	117	88
e750	130	5.78	18	7.2	181	124



## Enovate

### e550, e750 & e130 WORK STATIONS

DES. **J. ROBERSON**

JOB NO. **11-2001**

DATE **11/12/21**

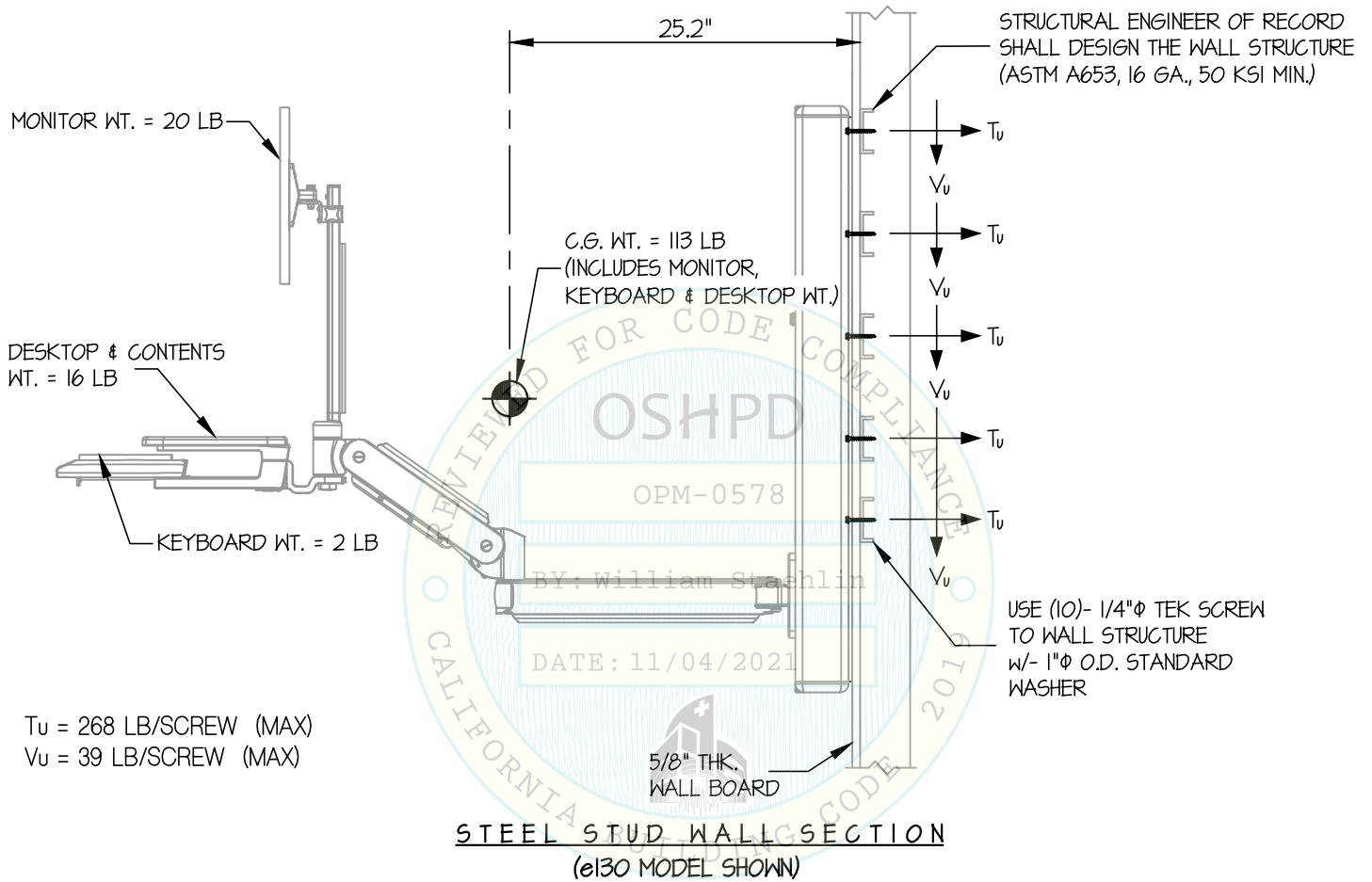
SHEET

**4**

OF **5** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



$T_u$  = 268 LB/SCREW (MAX)  
 $V_u$  = 39 LB/SCREW (MAX)

*Jonathan Roberson*

REGISTERED PROFESSIONAL ENGINEER  
JONATHAN ROBERSON  
No. 4197  
EXP. 6-30-2022  
11/12/21  
STRUCTURAL  
STATE OF CALIFORNIA



### Enovate

DES. **J. ROBERSON**

SHEET

# 5

JOB NO. **11-2001**

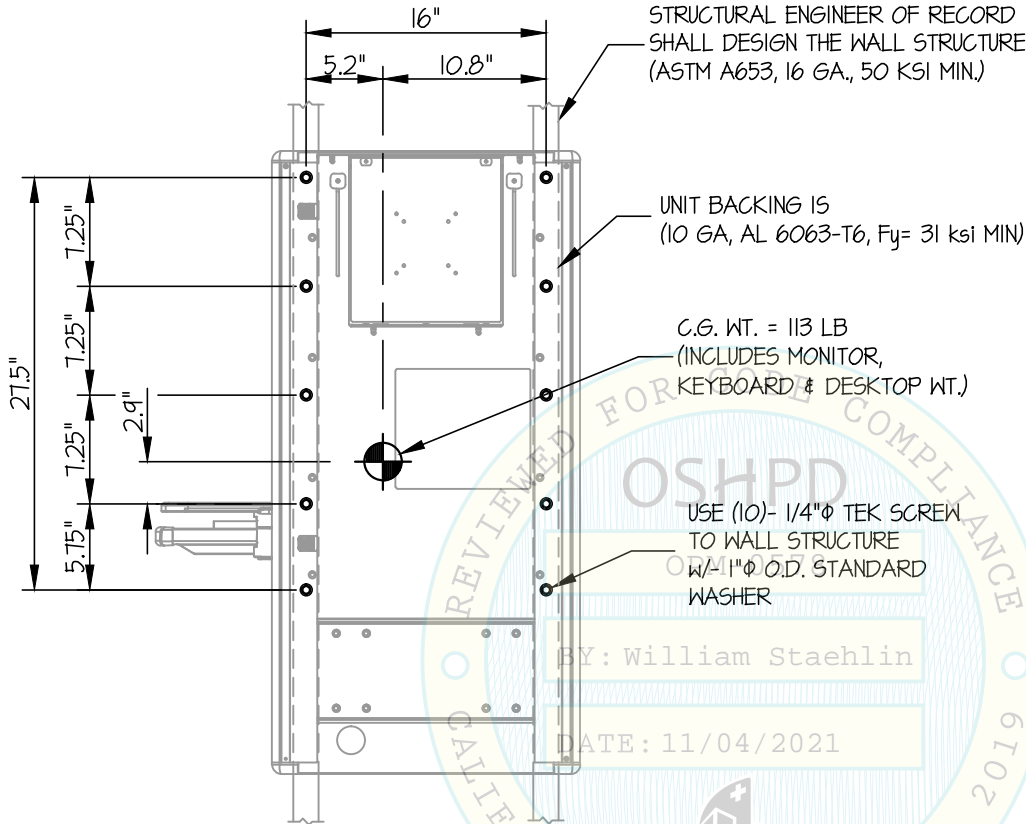
## e550, e750 & e130 WORK STATIONS

DATE **11/12/21**

OF **5** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

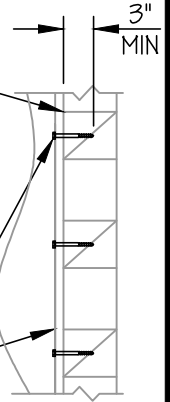
WALL MOUNTED



2 x STUDS OR 4 x BLKG (DOUGLAS-FIR LARCH No. 2 MIN.)(DESIGNED BY STRUCTURAL ENGINEER OF RECORD)

USE (10)- 1/4"φ X 4" WOOD SCREWS TO WOOD STUD OR BLKG. (PRE-DRILL HOLES TO 70% SHANK DIAMETER)

5/8" THK. WALL BOARD



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

WOOD STUD WALL SECTION

ELEVATION AT WALL PLATE  
(e130 MODEL SHOWN)

BY: William Staehlin  
DATE: 11/04/2021

*Jonathan Roberson*

REGISTERED PROFESSIONAL ENGINEER  
JONATHAN ROBERSON  
No. 4197  
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11/12/21  
STRUCTURAL  
STATE OF CALIFORNIA