



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0541-19

OSHPD Preapproval of Manufacturer's Certification (OPM)

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

Manufacturer Information

Manufacturer: Humanscale

Manufacturer's Technical Representative: Aaron Klein

Mailing Address: 1114 Avenue of the Americas, 15<sup>th</sup> Floor, New York, NY. 10036

Telephone: On File

Email: On File

Product Information

Product Name: VFlex and V6 Work Stations w/47" Wall Track and Horizontal Support Rails

Product Type: Computer

Product Model Number: Vflex, V6

General Description: Wall Mounted Computer Work Stations

Applicant Information

Applicant Company Name: EASE Co.

Contact Person: Jonathan Roberson, S.E.

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: 6/28/19

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, 2017 (CBSC 2017) 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 2017 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 2017 & ALL PRE-2017 CODE BASED PROJECTS**

Signature:  Date: 4/21/2020

Print Name: Jeffrey Kikumoto

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-0541-19**

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

MANUFACTURER: **HUMANSCALE HEALTHCARE**  
EQUIPMENT NAME: **VFLEX AND V6 WORK STATIONS W/ 47" WALL TRACK AND HORIZ SUPPORT RAILS**

Sheet: 1 of 6  
Date: 4/17/20

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  $S_{ds} = 1.70$  &  $2.00$ ,  $a_p = 2.5$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ ,  $z/h \leq 1$
5. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE  $S_{ds}$  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 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.



### HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

2

JOB NO. 11-1904

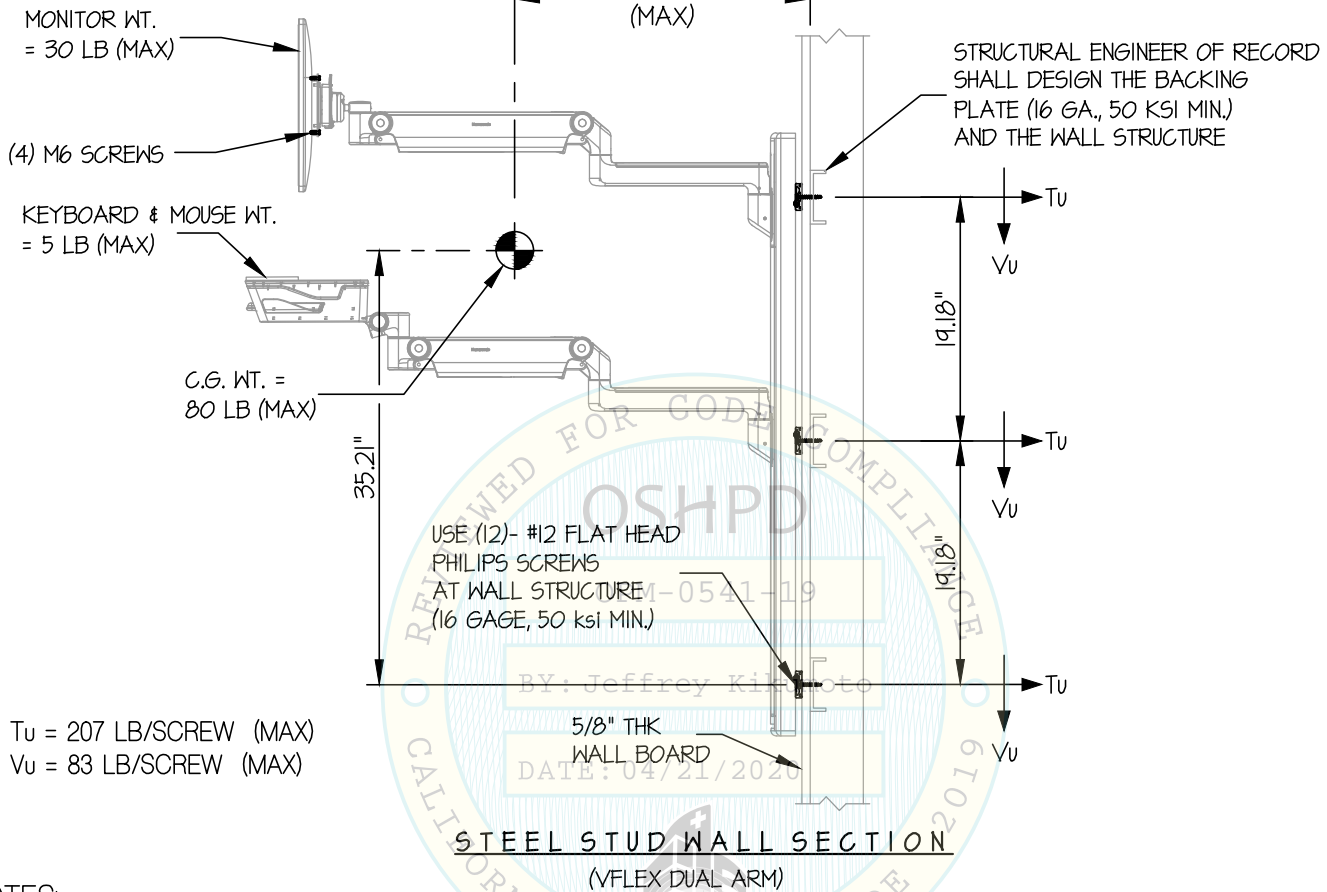
### VFLEX AND V6 WORK STATIONS W/ 47" WALL TRACK AND HORIZ SUPPORT RAILS

DATE 4/17/20

OF 6 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



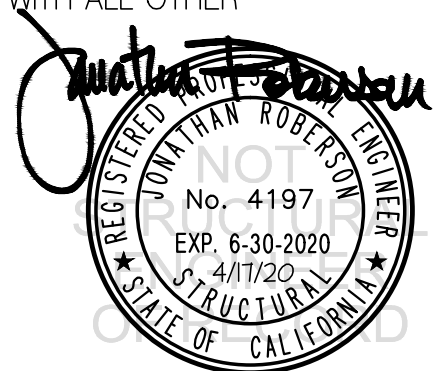
NOTES:

- FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16. STRENGTH DESIGN IS USED. ( $S_{ds} = 2.00$ ,  $a_p = 2.5$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ ,  $z/h \leq 1$ )

HORIZONTAL FORCE ( $E_h$ ) =  $3.60 W_p$

VERTICAL FORCE ( $E_v$ ) =  $0.40 W_p$

- 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



### HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

**3**

JOB NO. **11-1904**

### VFLEX AND V6 WORK STATIONS W/ 47" WALL TRACK AND HORIZ SUPPORT RAILS

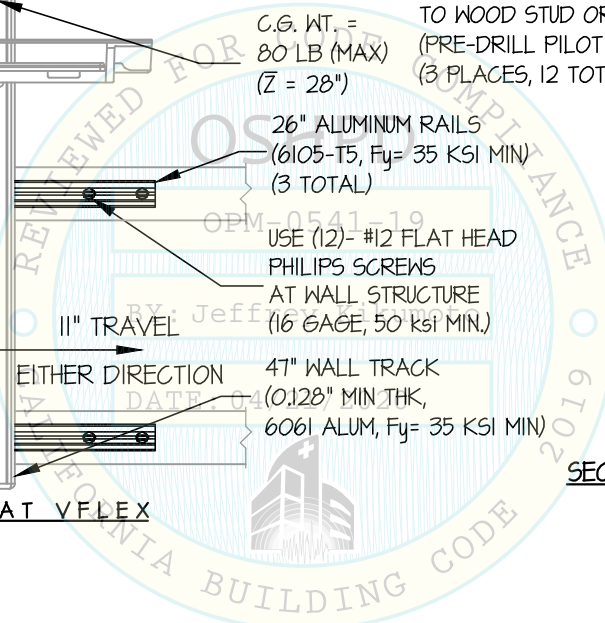
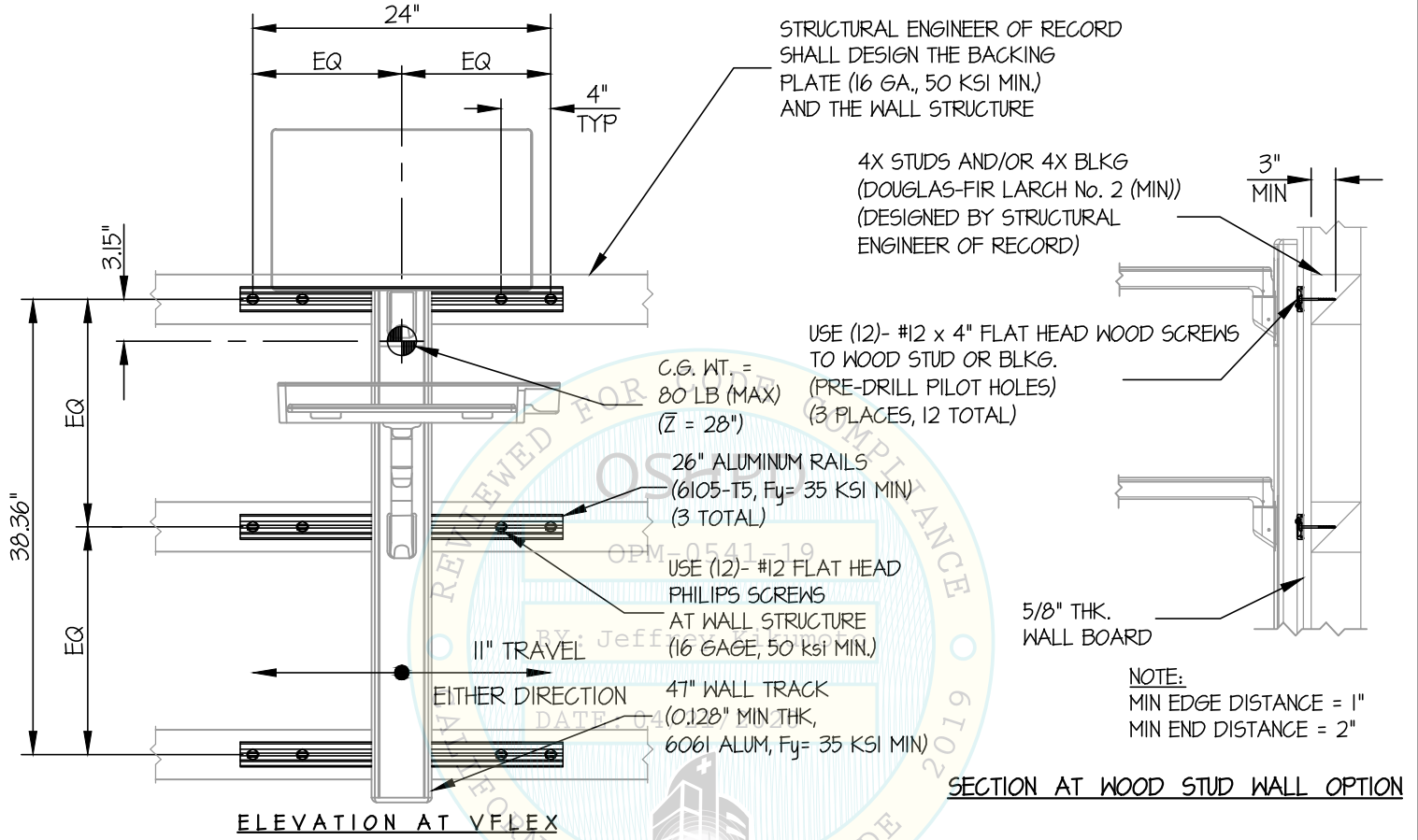
DATE **4/17/20**

OF **6** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

MAX Sps ≤ 2.00

WALL MOUNTED



*Jonathan Roberson*

REGISTERED PROFESSIONAL ENGINEER  
 JONATHAN ROBERSON  
 No. 4197  
 EXP. 6-30-2020  
 4/17/20  
 STRUCTURAL  
 STATE OF CALIFORNIA

### HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

4

JOB NO. 11-1904

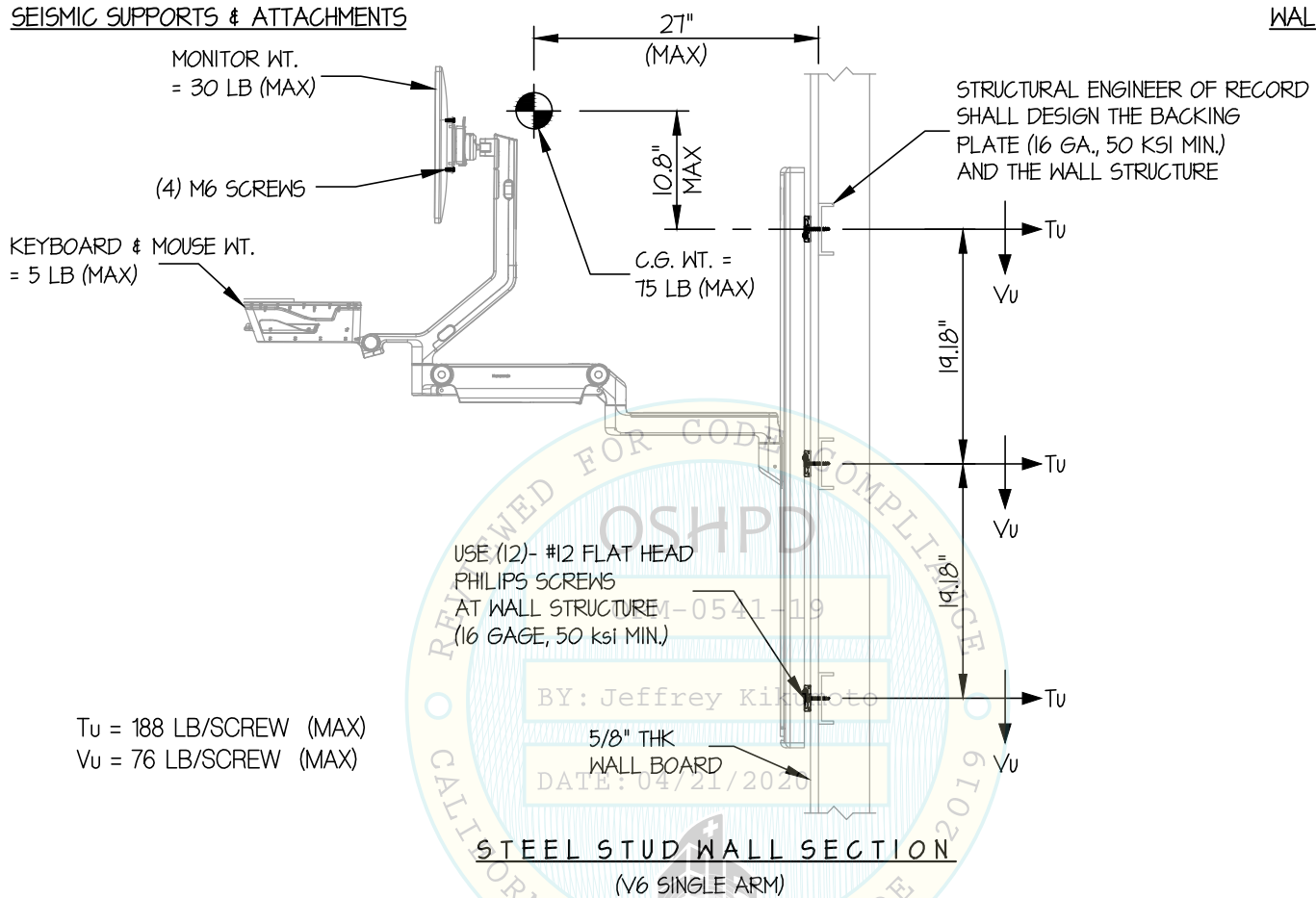
### VFLEX AND V6 WORK STATIONS W/ 47" WALL TRACK AND HORIZ SUPPORT RAILS

DATE 4/17/20

OF 6 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



Tu = 188 LB/SCREW (MAX)  
Vu = 76 LB/SCREW (MAX)

NOTES:

- FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16. STRENGTH DESIGN IS USED. ( $S_{ds} = 1.70$ ,  $a_p = 2.5$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ ,  $z/h \leq 1$ )

HORIZONTAL FORCE ( $E_h$ ) =  $3.06 W_p$

VERTICAL FORCE ( $E_v$ ) =  $0.34 W_p$

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

### HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

5

JOB NO. 11-1904

### VFLEX AND V6 WORK STATIONS W/ 47" WALL TRACK AND HORIZ SUPPORT RAILS

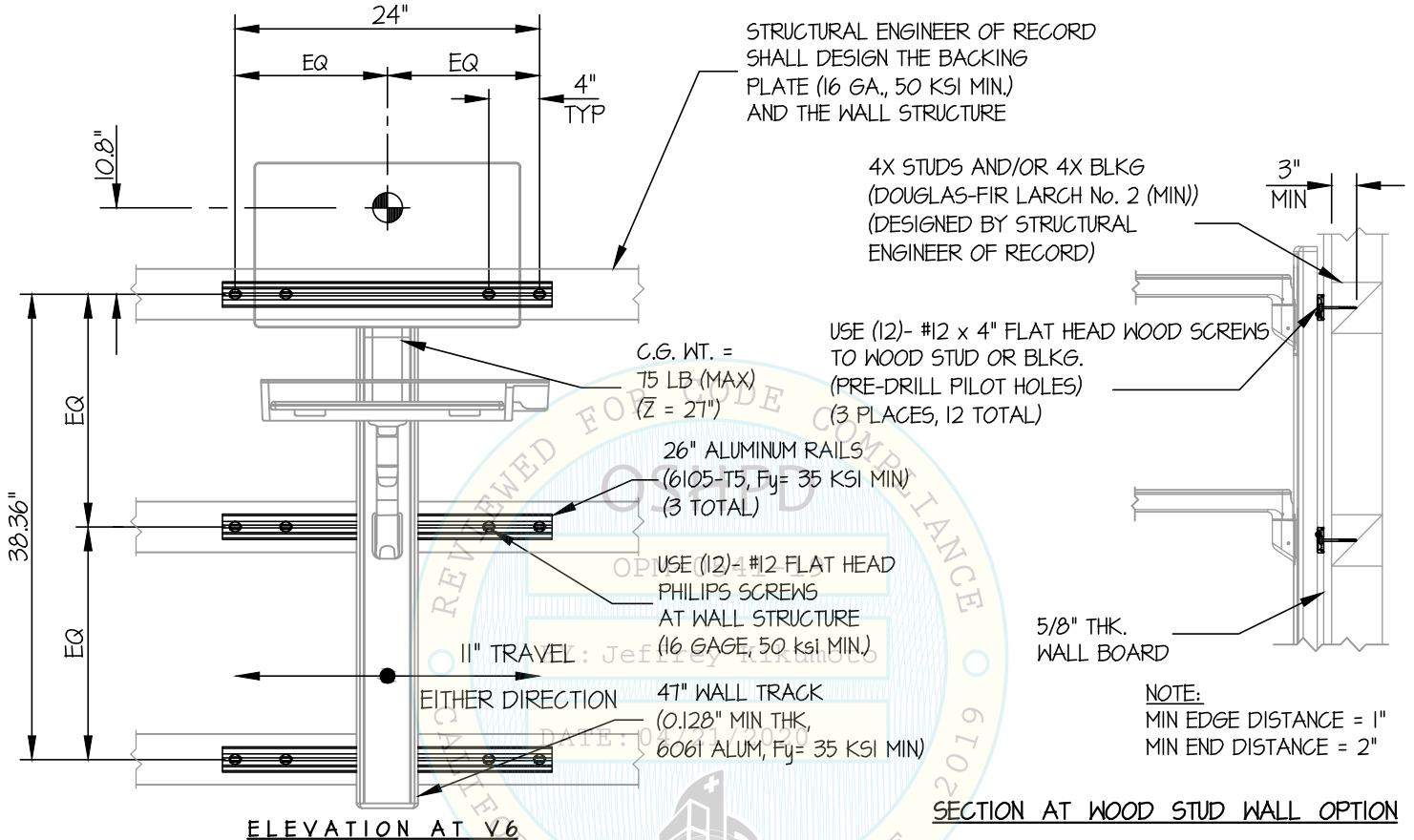
DATE 4/17/20

OF 6 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

MAX Sps ≤ 1.10

WALL MOUNTED



*Jonathan Roberson*

REGISTERED PROFESSIONAL ENGINEER  
 JONATHAN ROBERSON  
 No. 4197  
 EXP. 6-30-2020  
 4/17/20  
 STRUCTURAL  
 STATE OF CALIFORNIA

## HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

**6**

## VFLEX AND V6 WORK STATIONS W/ 47" WALL TRACK AND HORIZ SUPPORT RAILS

JOB NO. **11-1904**

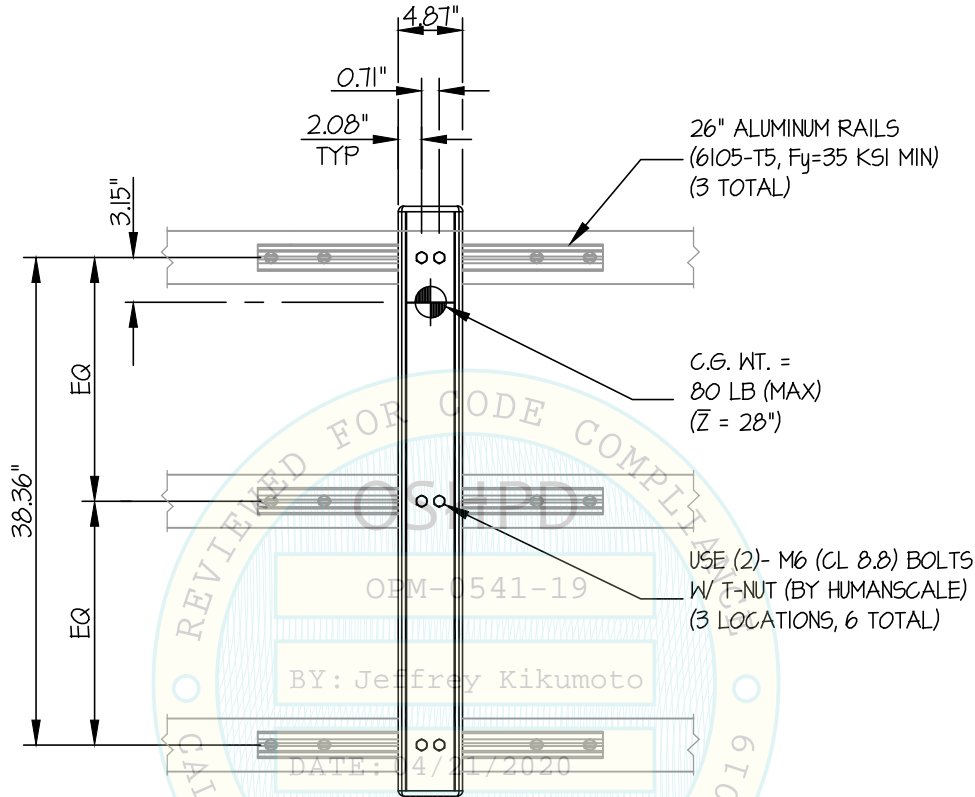
DATE **4/17/20**

OF **6** SHEETS

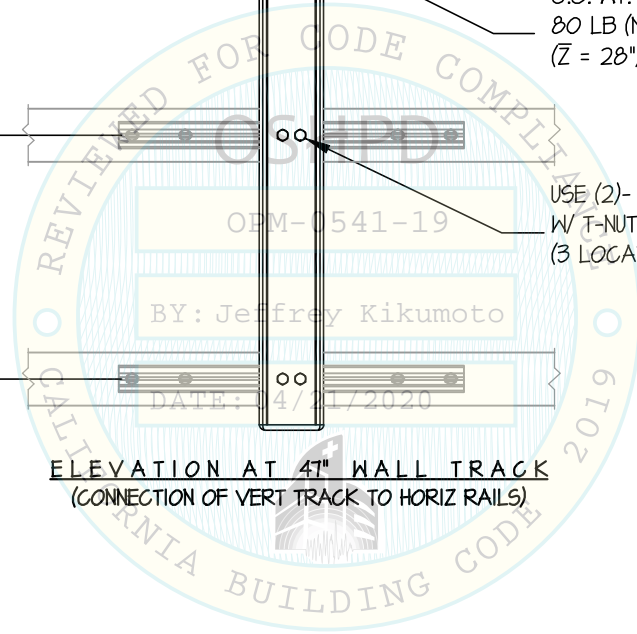
SEISMIC SUPPORTS & ATTACHMENTS

MAX Sps ≤ 2.00

WALL MOUNTED



**ELEVATION AT 47" WALL TRACK**  
(CONNECTION OF VERT TRACK TO HORIZ RAILS)



*Jonathan Roberson*