



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

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

OFFICE USE ONLY

APPLICATION #: OPM-0147

OSHPD Preapproval of Manufacturer's Certification OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: Humanscale Healthcare

Manufacturer's Technical Representative: Aaron Klein

Mailing Address: 1114 6th Ave, 15th Floor, New York, NY 10036

Telephone: (631) 518-0105

Email: aklein@humanscale.com

Product Information

Product Name: V6 WALL STATIONS

Product Type: Cantilevered Support

Product Model Number: V6 with 67", 57", 47" 37", 27" & 13" Wall Trakcs

General Description: Wall Mounted Computer Station

Applicant Information

Applicant Company Name: EASE LLC.

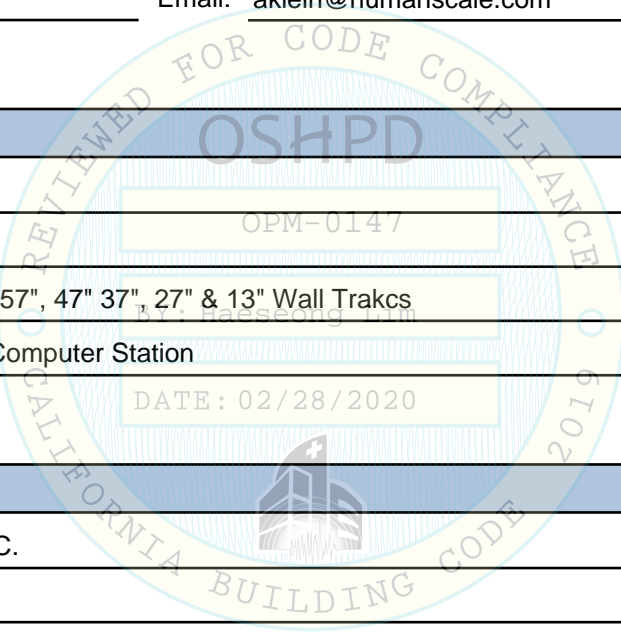
Contact Person: Tiffany Tonn

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

Telephone: (406) 541-3273

Email: tiffany@easeco.com

Title: _____





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

Registered Design Professional Preparing Engineering Recommendations

Company Name: EASE

Name: Jonathan Roberson

California License

S4197

Mailing Address: 5877 Pine Ave., 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: 2/28/2020

Name: Haeseong Lim

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-0147-19

THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE

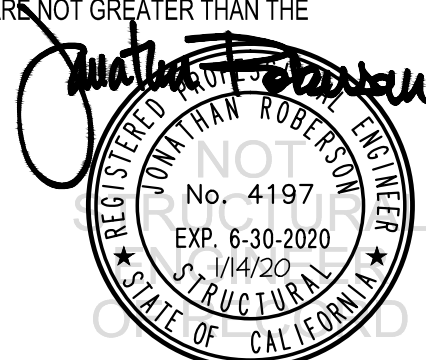
MANUFACTURER: **HUMANSIZE HEALTHCARE**
EQUIPMENT NAME: **V6 WALL STATION**

Sheet: 1 of 9
Date: 1/14/20

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 $S_{ds} = 1.90$, $a_p = 2.5$, $I_p = 1.5$, $R_p = 2.5$, $z/h \leq 1$.
WHERE $S_{ds} = 2.00$, $a_p = 2.5$, $I_p = 1.5$, $R_p = 2.5$, $z/h < 1$: Haeseong Lim
5. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE S_{ds} IS NOT GREATER THAN 1.90 & 2.00.
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.

DATE: 02/28/2020



HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

2

V6 WALL STATION

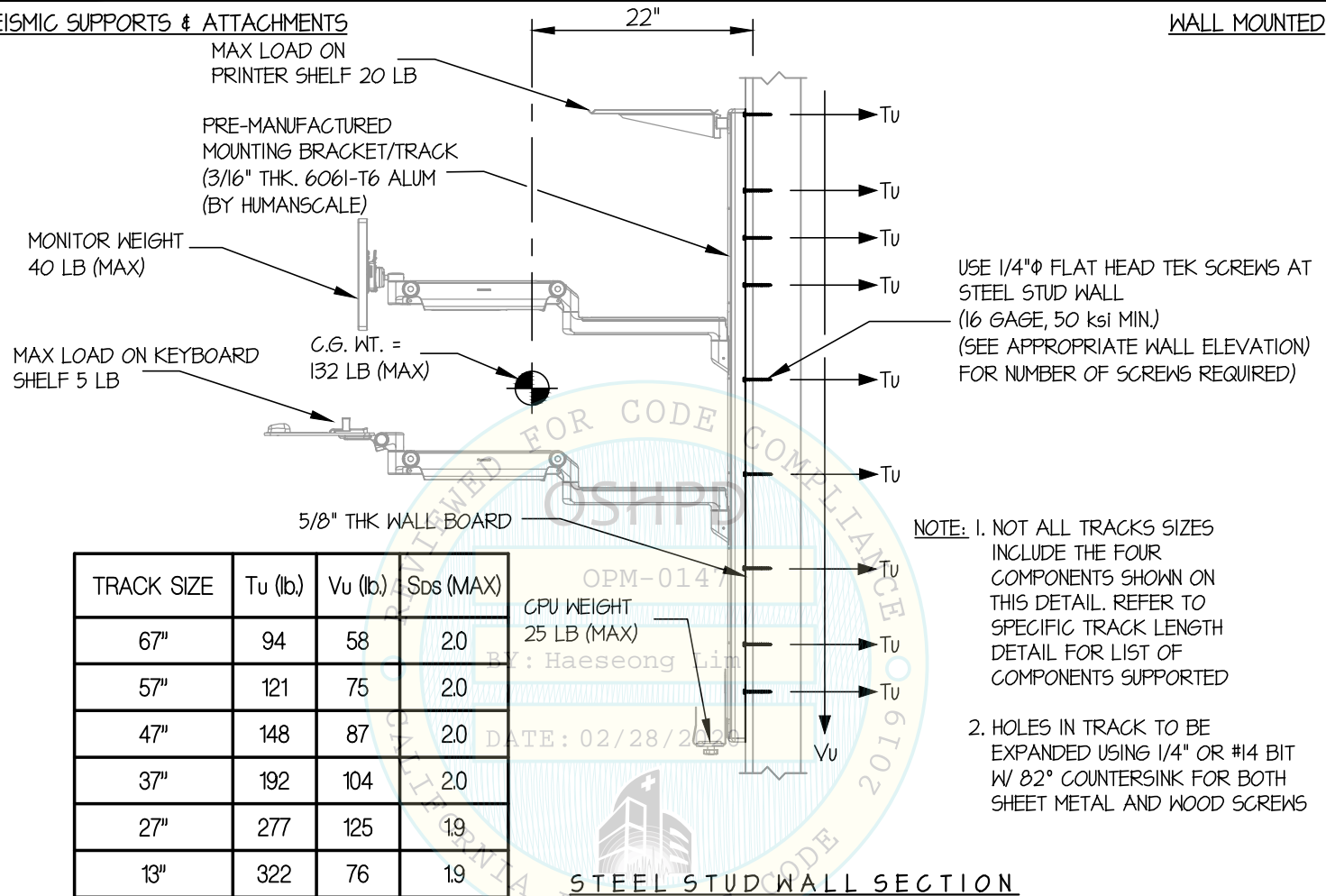
JOB NO. 11-1933

DATE 1/14/20

OF 9 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



| TRACK SIZE | Tu (lb) | Vu (lb) | Sds (MAX) |
|------------|---------|---------|-----------|
| 67" | 94 | 58 | 2.0 |
| 57" | 121 | 75 | 2.0 |
| 47" | 148 | 87 | 2.0 |
| 37" | 192 | 104 | 2.0 |
| 27" | 277 | 125 | 1.9 |
| 13" | 322 | 76 | 1.9 |

NOTES:

1. FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16 STRENGTH DESIGN IS USED. ($\alpha_p = 2.5, I_p = 15, R_p = 2.5, z/h \leq 1$)

(Sds = 2.00: AT 67", 57", 47" & 37" ARMS)

HORIZONTAL FORCE (E_h) = 3.60 W_p

VERTICAL FORCE (E_v) = 0.40 W_p

(Sds = 1.90: AT 27" & 13" ARMS)

HORIZONTAL FORCE (E_h) = 3.42 W_p

VERTICAL FORCE (E_v) = 0.38 W_p

2. CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PREAPPROVALS 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.



HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

3

JOB NO. 11-1933

V6 WALL STATION

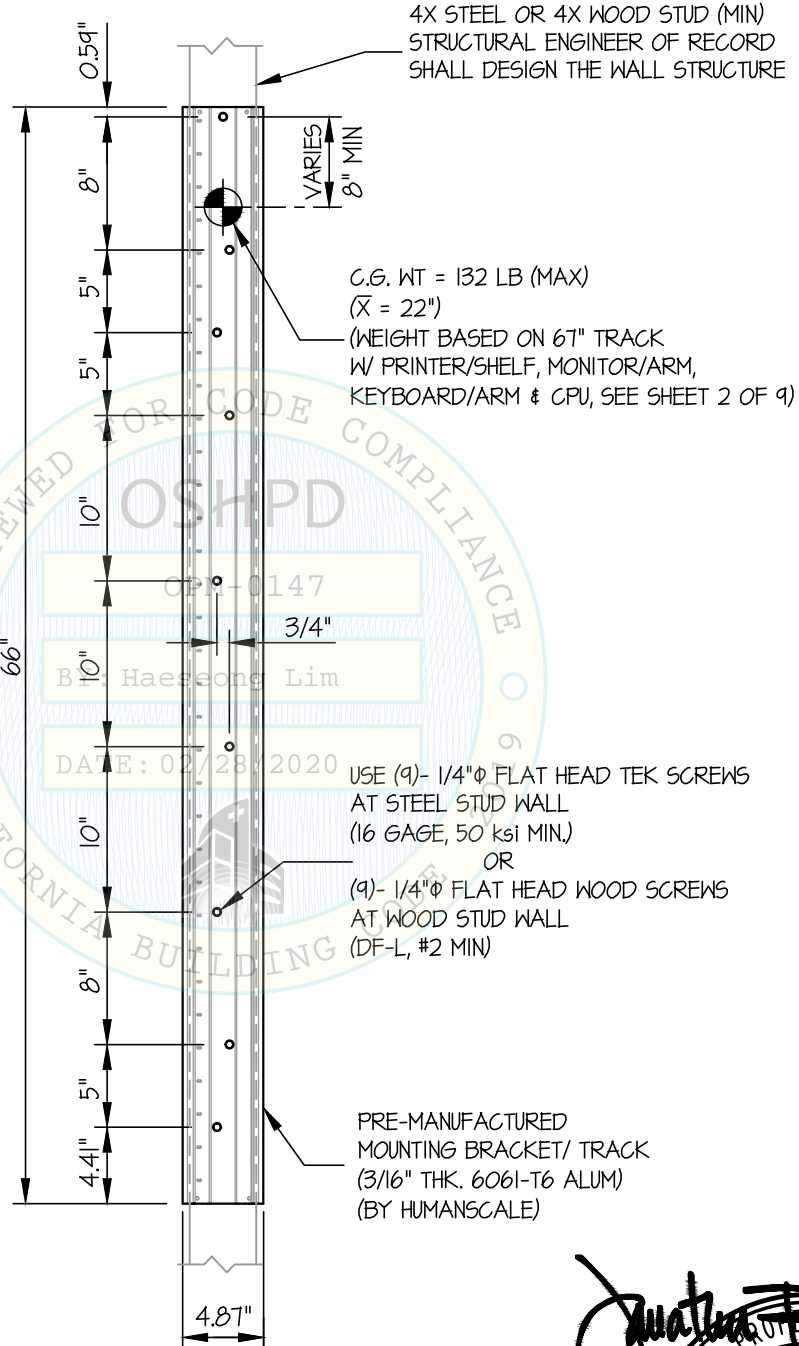
DATE 1/14/20

OF 9 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

NOTE:
SEE SHEET 9 OF 9 FOR
ADDITIONAL WALL MOUNTING OPTIONS
W/ STEEL OR WOOD BLKG.



ELEVATION AT 67" TRACK



HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

4

JOB NO. 11-1933

V6 WALL STATION

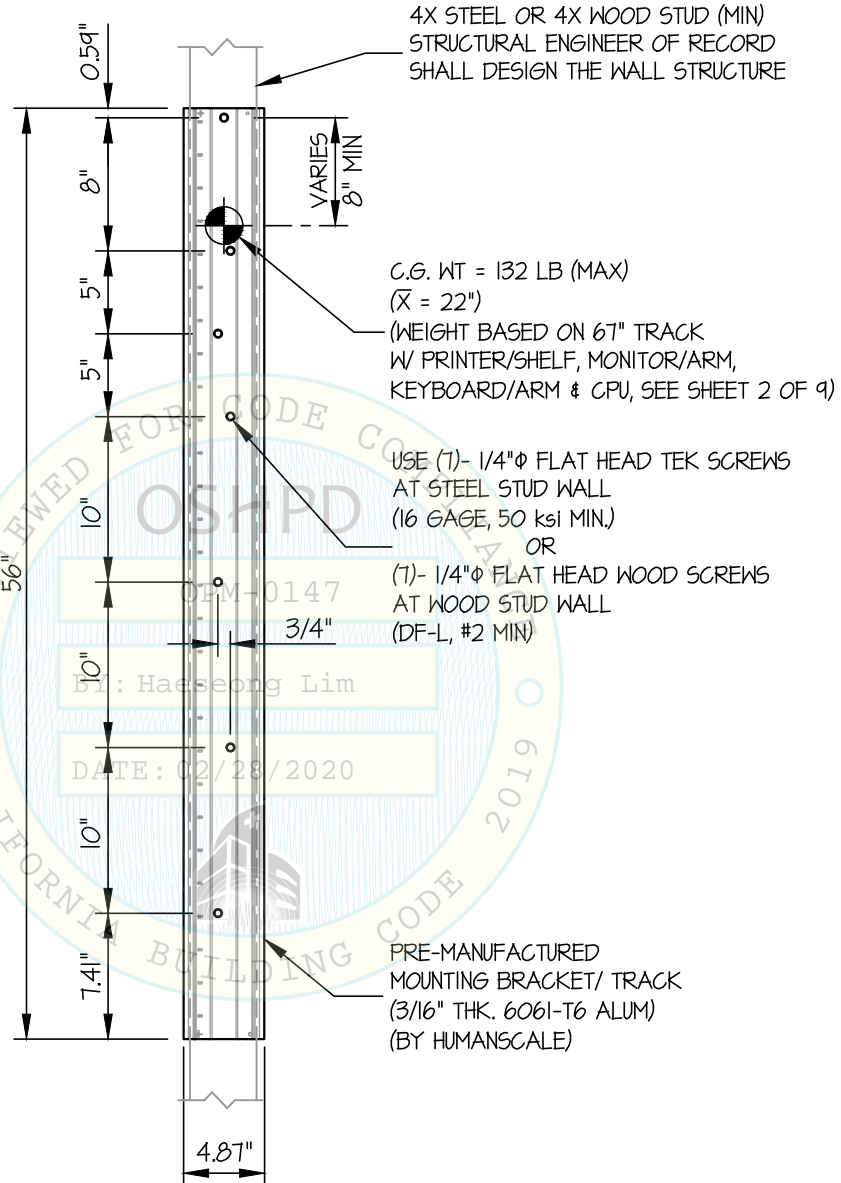
DATE 1/14/20

OF 9 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

NOTE:
SEE SHEET 9 OF 9 FOR
ADDITIONAL WALL MOUNTING OPTIONS
W/ STEEL OR WOOD BLKG.



ELEVATION AT 57" TRACK



HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

5

JOB NO. **11-1933**

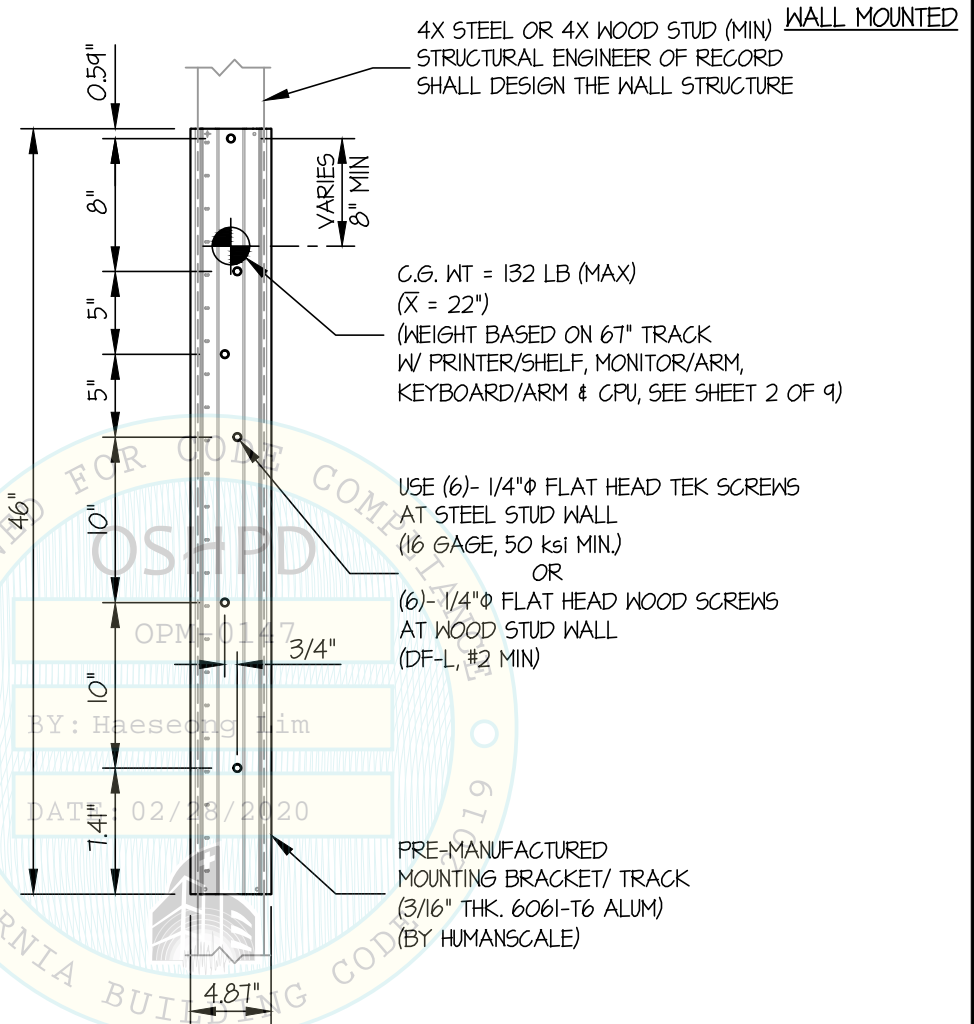
V6 WALL STATION

DATE **1/14/20**

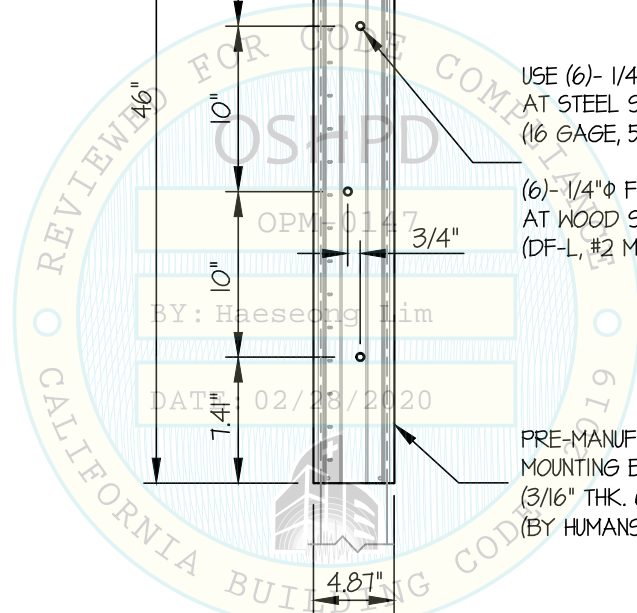
OF **9** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

NOTE:
SEE SHEET 9 OF 9 FOR
ADDITIONAL WALL MOUNTING OPTIONS
W/ STEEL OR WOOD BLKG.



ELEVATION AT 47" TRACK



Jonathan Roberson
REGISTERED PROFESSIONAL ENGINEER
No. 4197
EXP. 6-30-2020
1/14/20
STRUCTURAL
STATE OF CALIFORNIA

HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

6

V6 WALL STATION

JOB NO. **11-1933**

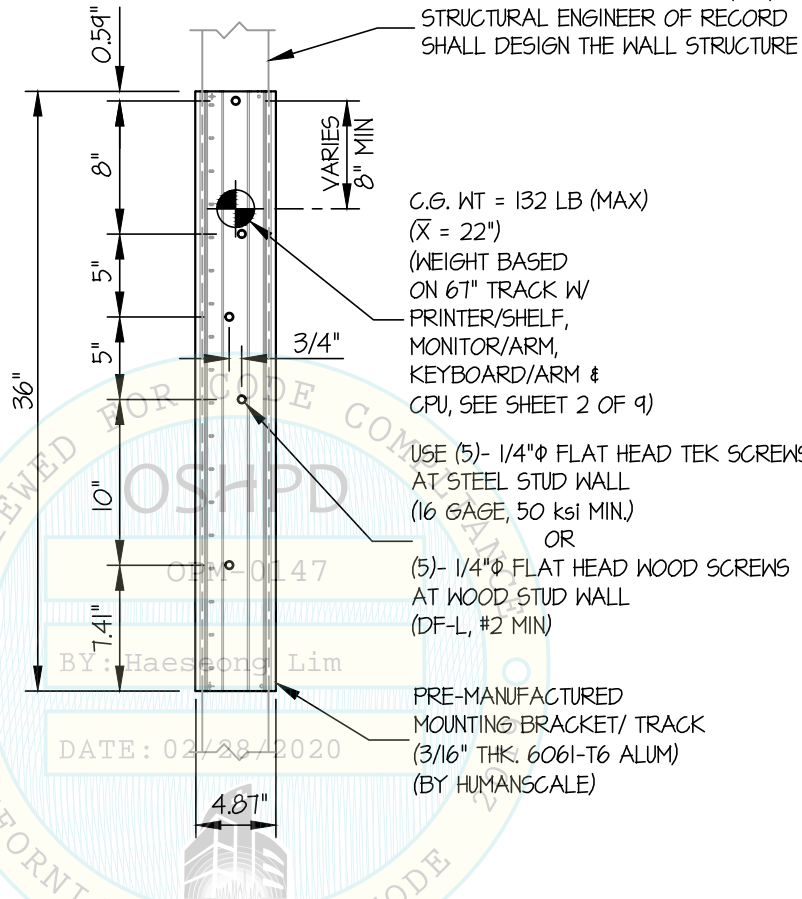
DATE **1/14/20**

OF **9** SHEETS

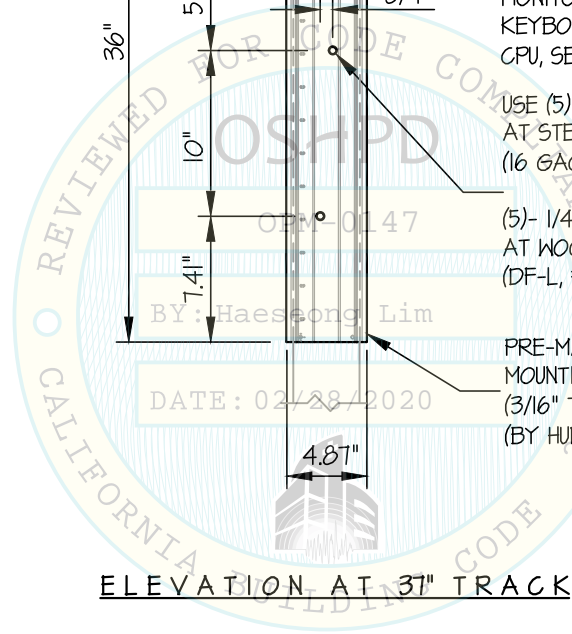
SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

NOTE:
SEE SHEET 9 OF 9 FOR
ADDITIONAL WALL MOUNTING OPTIONS
W/ STEEL OR WOOD BLKG.



ELEVATION AT 37" TRACK



HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

7

JOB NO. **11-1933**

V6 WALL STATION

DATE **1/14/20**

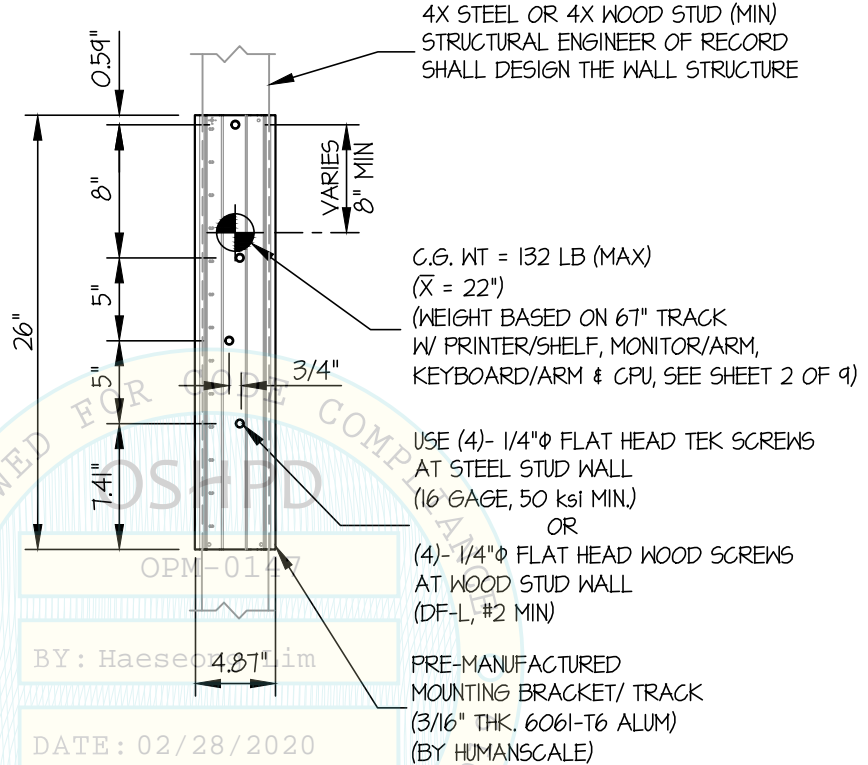
OF **9** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

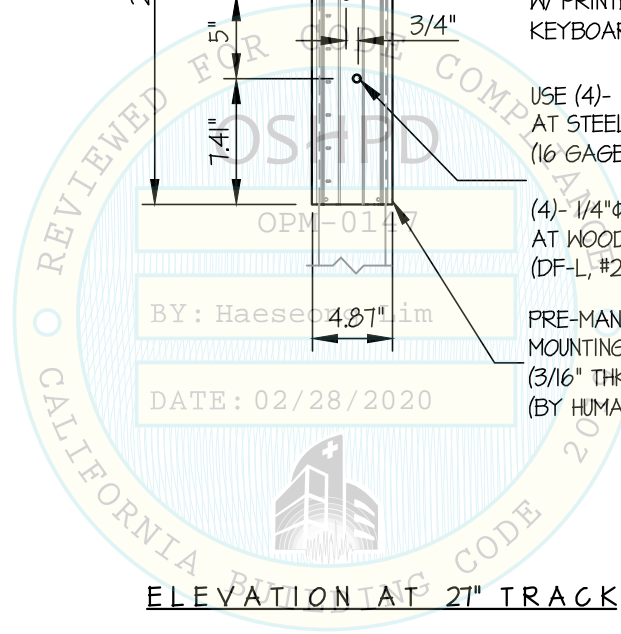
MAX $S_{Ds} \leq 1.90$

WALL MOUNTED

NOTE:
SEE SHEET 9 OF 9 FOR
ADDITIONAL WALL MOUNTING OPTIONS
W/ STEEL OR WOOD BLKG.



ELEVATION AT 27" TRACK



HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

8

JOB NO. 11-1933

V6 WALL STATION

DATE 1/14/20

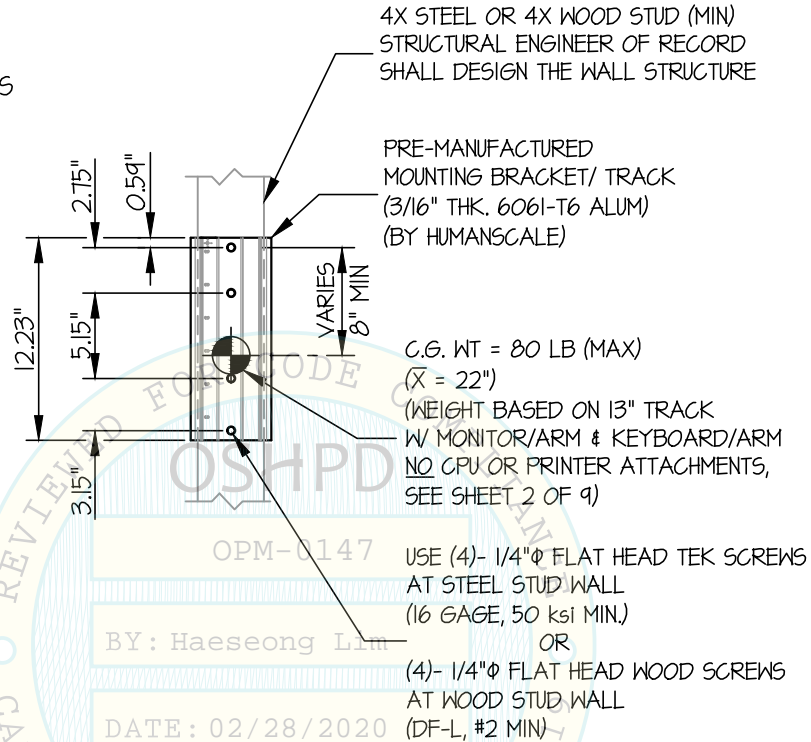
OF 9 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

MAX $S_{Ds} \leq 1.90$

WALL MOUNTED

NOTE:
SEE SHEET 9 OF 9 FOR
ADDITIONAL WALL MOUNTING OPTIONS
W/ STEEL OR WOOD BLKG.



ELEVATION AT 13" TRACK

Jonathan Roberson
 REGISTERED PROFESSIONAL ENGINEER
 JONATHAN ROBERSON
 No. 4197
 EXP. 6-30-2020
 1/14/20
 STRUCTURAL
 STATE OF CALIFORNIA

HUMANSCALE HEALTHCARE

DES. J. ROBERSON

SHEET

9

JOB NO. 11-1933

DATE 1/14/20

OF 9 SHEETS

V6 WALL STATION

SEISMIC SUPPORTS & ATTACHMENTS

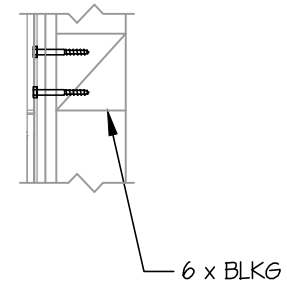
WALL MOUNTED

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

3"
MIN

USE 1/4"φ X 4" FLAT HEAD WOOD SCREWS
(SEE SHEET 3-8 OF 9 FOR NUMBER OF SCREWS)
HOLES IN TRACK TO BE EXPANDED USING
1/4" OR #14 BIT W/ 82° COUNTERSINK
(PRE-DRILL HOLES TO 70% SHANK DIAMETER)

5/8" THK.
WALL BOARD



AT 13" TRACK ONLY

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

BY: Haeseong Lim
WOOD STUD WALL BLOCKING OPTION - SECTION

DATE: 02/28/2020

5/8" THK.
WALL BOARD

USE 1/4"φ X 4" FLAT HEAD TEK SCREWS
(SEE SHEET 3-8 OF 9 FOR NUMBER OF SCREWS)
HOLES IN TRACK TO BE EXPANDED USING
1/4" OR #14 BIT W/ 82° COUNTERSINK

STRUCTURAL ENGINEER OF RECORD
SHALL DESIGN THE BACKING
PLATE (16 GA., 50 KSI MIN.)
AND THE WALL STRUCTURE

STEEL STUD WALL BLOCKING OPTION - SECTION

