



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

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

OFFICE USE ONLY	
APPLICATION #:	OPM-0147-13

OSHPD Preapproval of Manufacturer's Certification (OPM)

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

Manufacturer Information

Manufacturer: Humanscale Healthcare

Manufacturer's Technical Representative: Joe Peters

Mailing Address: 11 East 26th Street, New York, NY. 10010

Telephone: (215) 679-6150 Email: jpeters@shealatone.com

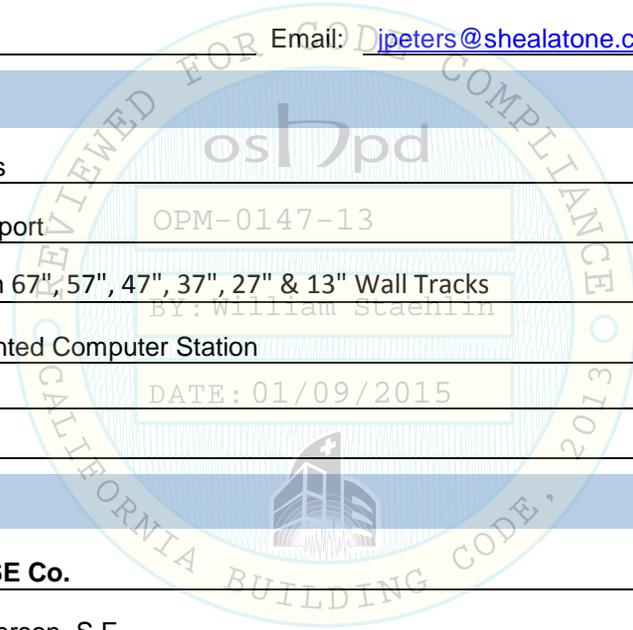
Product Information

Product Name: V6 Wall Stations

Product Type: Cantilevered Support

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

General Description: Wall Mounted Computer Station



Applicant Information

Applicant Company Name: EASE Co.

Contact Person: Jonathan Roberson, S.E.

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

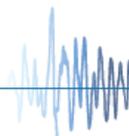
Telephone: (909) 606-7622 Email: J.Roberson@EASECo.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.

Signature of Applicant: _____ Date: 10/22/14

Title: Principal Engineer Company Name: EASE Co.

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





**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: 909-606-7667 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 1950-10
- Other* (Please Specify): _____

*Use of test criteria other than those adopted by the California Building Standards Code, 2013 (CBSC 2013) 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 2013 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 2013 ONLY

Signature: *William Staehlin* Date: 01/09/2015

Print Name: William Staehlin

Title: SSE

Condition of Approval (if applicable): _____

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





**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-0147-13

THIS PREAPPROVAL CONFORMS TO THE 2013 CALIFORNIA BUILDING CODE

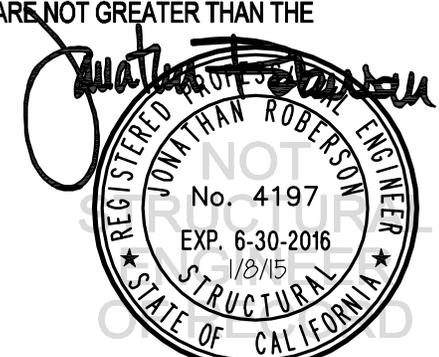
MANUFACTURER: **HUMANSIZE HEALTHCARE**
EQUIPMENT NAME: **V6 WALL STATION**

Sheet: 1 of 9
Date: 1/8/15

GENERAL NOTES

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2013 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2013 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 2013 CALIFORNIA BUILDING CODE.
4. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,
WHERE $S_{ds} = 1.9$, $a_p = 2.5$, $I_p = 1.5$, $R_p = 2.5$, $z/h \leq 1$.
WHERE $S_{ds} = 2.0$, $a_p = 2.5$, $I_p = 1.5$, $R_p = 2.5$, $z/h \leq 1$.
5. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE SDS IS NOT GREATER THAN 1.9 & 2.0.
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 2013 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
DATE: 01/09/2015



HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

2

JOB NO. **11-1442**

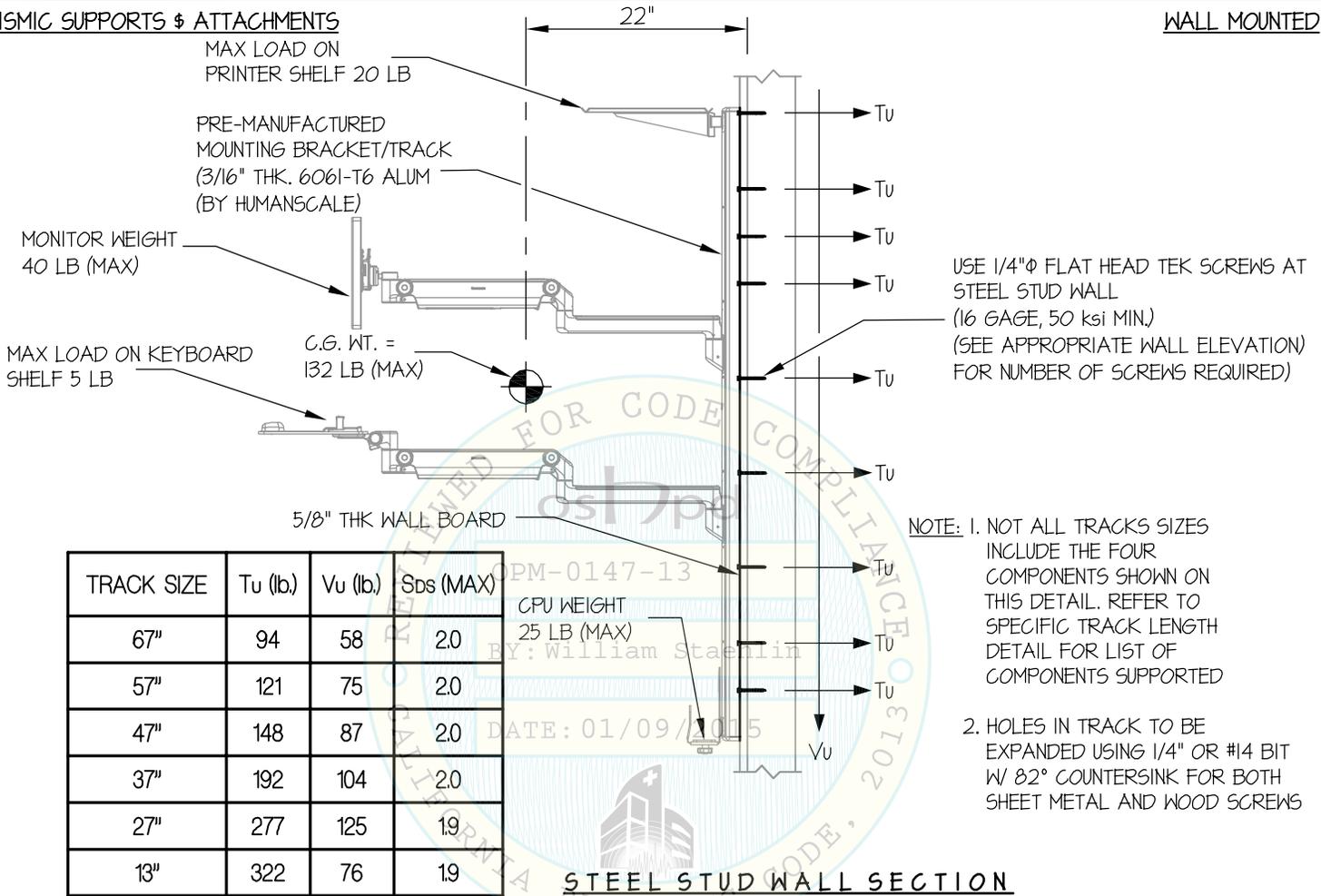
V6 WALL STATION

DATE **1/8/15**

OF **9** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



NOTES:

1. FORCES ARE DETERMINED PER 2013 CALIFORNIA BUILDING CODE AND ASCE 7-10 STRENGTH DESIGN IS USED. ($a_p = 2.5$, $l_p = 1.5$, $R_p = 2.5$, $z/h \leq 1$)

(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

V6 WALL STATION

JOB NO. **11-1442**

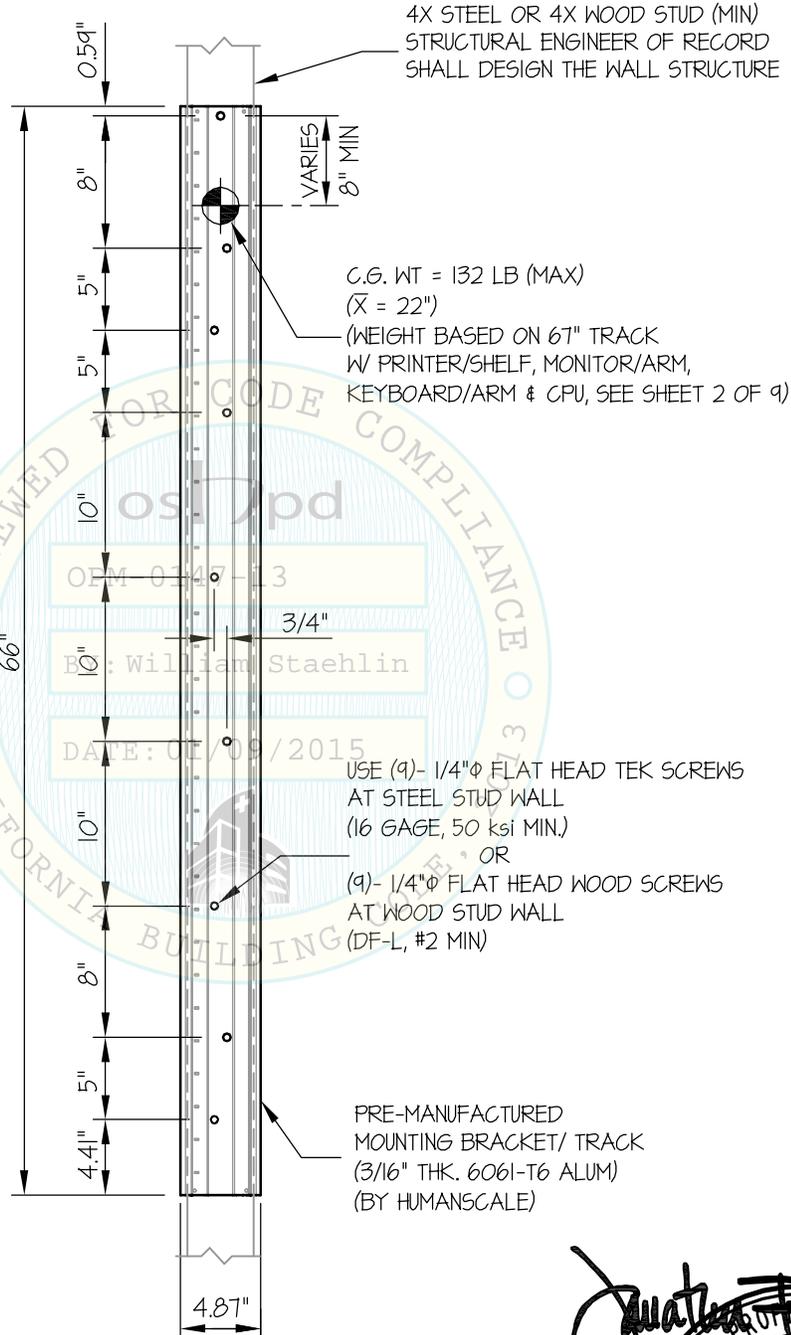
DATE **1/8/15**

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

Jonathan Roberson
REGISTERED PROFESSIONAL ENGINEER
No. 4197
EXP. 6-30-2016
1/8/15
STRUCTURAL
STATE OF CALIFORNIA

HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

4

V6 WALL STATION

JOB NO. **11-1442**

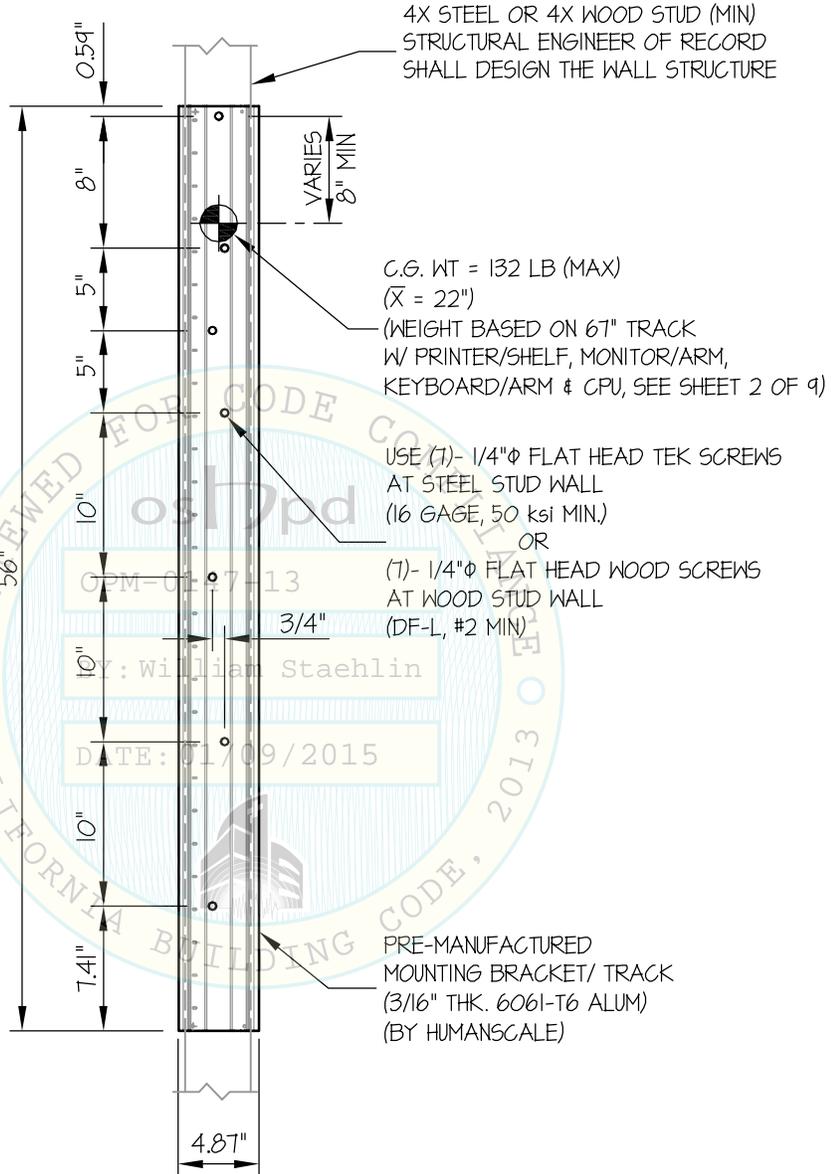
DATE **1/8/15**

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. **11-1442**

V6 WALL STATION

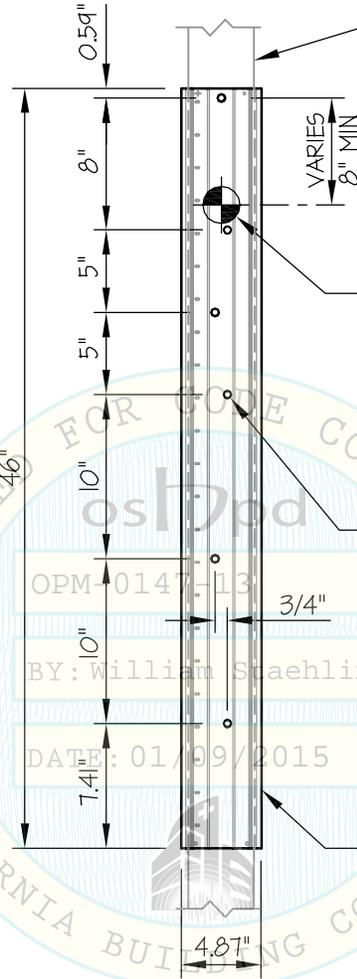
DATE **1/8/15**

OF **9** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

4X STEEL OR 4X WOOD STUD (MIN) WALL MOUNTED
STRUCTURAL ENGINEER OF RECORD
SHALL DESIGN THE WALL STRUCTURE

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



C.G. WT = 132 LB (MAX)
(\bar{X} = 22")
(WEIGHT BASED ON 67" TRACK
W/ PRINTER/SHELF, MONITOR/ARM,
KEYBOARD/ARM & CPU, SEE SHEET 2 OF 9)

USE (6)- 1/4"φ FLAT HEAD TEK SCREWS
AT STEEL STUD WALL
(16 GAGE, 50 ksi MIN.)
OR
(6)- 1/4"φ FLAT HEAD WOOD SCREWS
AT WOOD STUD WALL
(DF-L, #2 MIN)

PRE-MANUFACTURED
MOUNTING BRACKET/ TRACK
(3/16" THK. 6061-T6 ALUM)
(BY HUMANSCALE)

ELEVATION AT 47" TRACK

Jonathan Roberson
REGISTERED PROFESSIONAL ENGINEER
No. 4197
EXP. 6-30-2016
1/8/15
STRUCTURAL
STATE OF CALIFORNIA

HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

6

V6 WALL STATION

JOB NO. **11-1442**

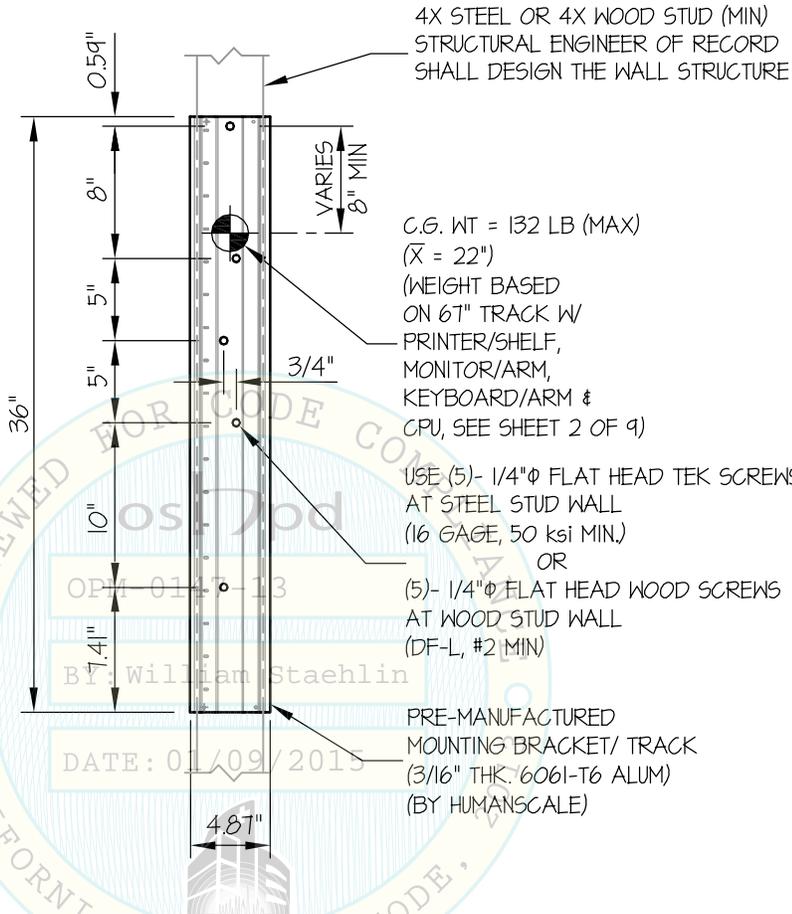
DATE **1/8/15**

OF **9** SHEETS

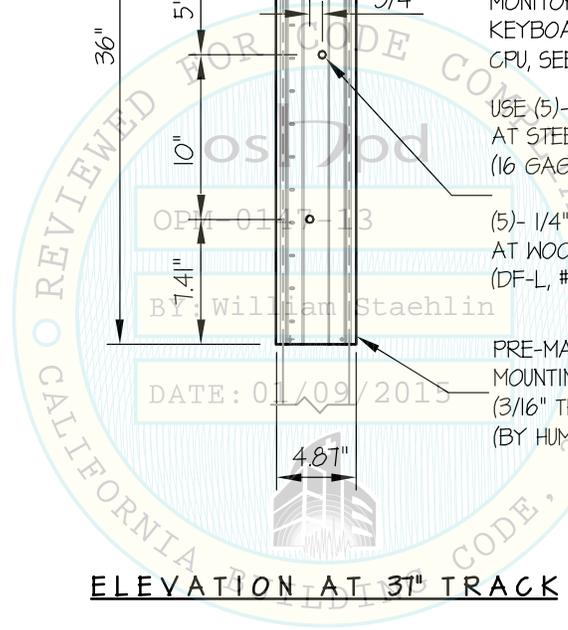
SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

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



ELEVATION AT 37" TRACK



Jonathan Roberson
REGISTERED PROFESSIONAL ENGINEER
No. 4197
EXP. 6-30-2016
1/8/15
STRUCTURAL
STATE OF CALIFORNIA

HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

7

V6 WALL STATION

JOB NO. **11-1442**

DATE **1/8/15**

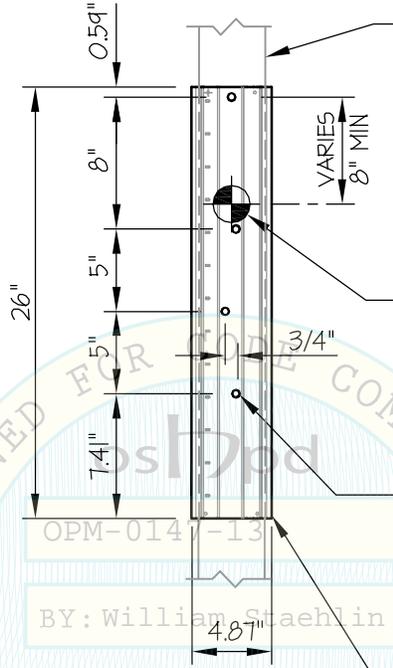
OF **9** SHEETS

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.

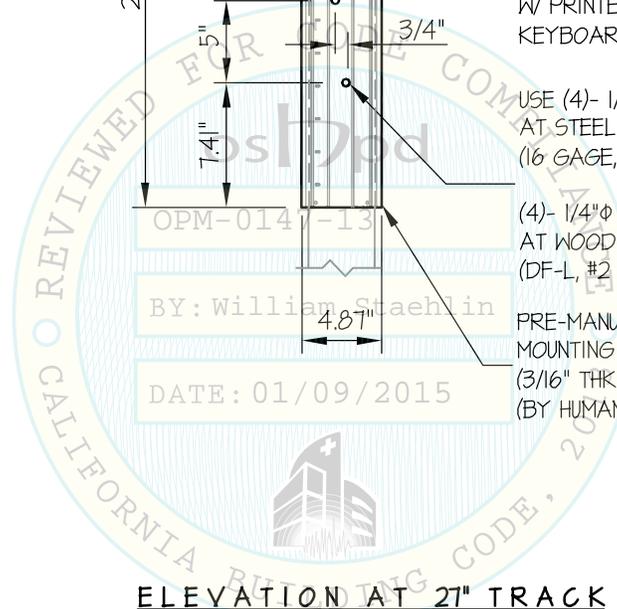


4X STEEL OR 4X WOOD STUD (MIN)
STRUCTURAL ENGINEER OF RECORD
SHALL DESIGN THE WALL STRUCTURE

C.G. WT = 132 LB (MAX)
($\bar{X} = 22"$)
(WEIGHT BASED ON 67" TRACK
W/ PRINTER/SHELF, MONITOR/ARM,
KEYBOARD/ARM & CPU, SEE SHEET 2 OF 9)

USE (4)- 1/4" ϕ FLAT HEAD TEK SCREWS
AT STEEL STUD WALL
(16 GAGE, 50 ksi MIN.)
OR
(4)- 1/4" ϕ FLAT HEAD WOOD SCREWS
AT WOOD STUD WALL
(DF-L, #2 MIN)

PRE-MANUFACTURED
MOUNTING BRACKET/ TRACK
(3/16" THK. 6061-T6 ALUM)
(BY HUMANSCALE)



ELEVATION AT 27" TRACK

Jonathan Roberson
REGISTERED PROFESSIONAL ENGINEER
No. 4197
EXP. 6-30-2016
1/8/15
STRUCTURAL
STATE OF CALIFORNIA

HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

8

V6 WALL STATION

JOB NO. **11-1442**

DATE **1/8/15**

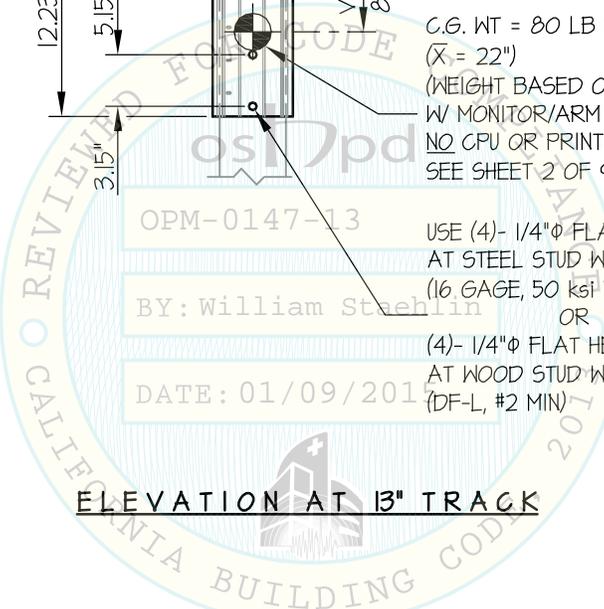
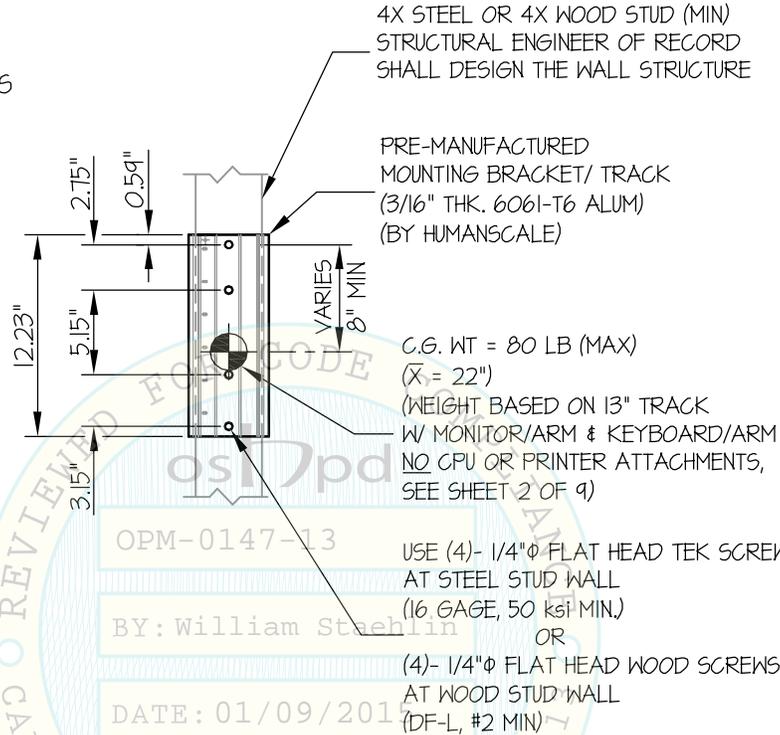
OF **9** SHEETS

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
No. 4197
EXP. 6-30-2016
1/8/15
STRUCTURAL
STATE OF CALIFORNIA

HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

9

V6 WALL STATION

JOB NO. **11-1442**

DATE **1/8/15**

OF **9** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

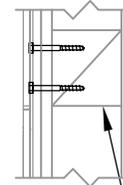
WALL MOUNTED

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



6 x BLKG

AT 13" TRACK ONLY

NOTE:

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

OPM-0147-13

BY: William Staehlin

WOOD STUD WALL BLOCKING OPTION - SECTION

DATE: 01/09/2015

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

