



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

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

OFFICE USE ONLY	
APPLICATION #:	OPM-0148-13

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@shealitone.com

Product Information

Product Name: V7 Wall Stations

Product Type: Cantilevered Support OPM-0148-13

Product Model Number: V7 with 54", 48" & 36" Wall Tracks

General Description: Wall Mounted Monitor and Keyboard 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

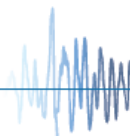
Telephone: (909) 606-7622 Email: J.Roberson@EASECo.com

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

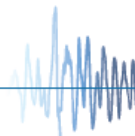
Signature: *William Staehlin* Date: 01/09/2015

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-0148-13

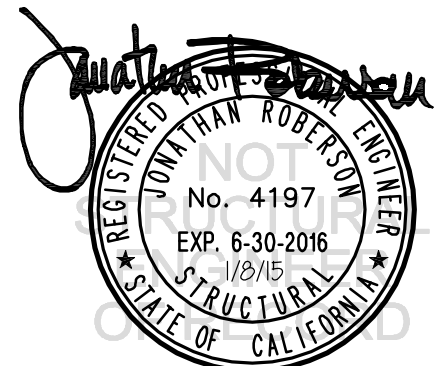
THIS PREAPPROVAL CONFORMS TO THE 2013 CALIFORNIA BUILDING CODE

MANUFACTURER: **HUMANSIZE HEALTHCARE**
EQUIPMENT NAME: **V7 WALL STATION**

Sheet: 1 of 6
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 $S_{ds} = 2.00$, $a_p = 2.5$, $I_p = 1.5$, $R_p = 2.5$, $z/h \leq 1$.
5. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE S_{ds} IS NOT GREATER THAN 2.00.
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 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.



HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

2

JOB NO. **11-1442**

V7 WALL STATION

DATE **1/8/15**

OF **6** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

STRUCTURAL ENGINEER OF RECORD SHALL DESIGN THE WALL STRUCTURE

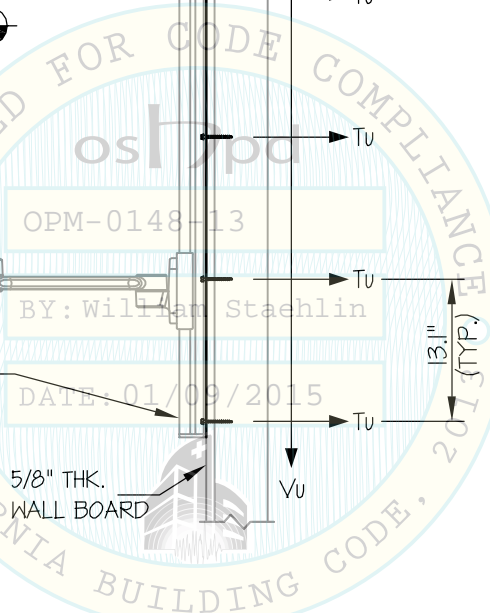
USE 1/4"φ FLAT HEAD TEK SCREWS AT STEEL STUD WALL (16 GAGE, 50 ksi MIN.) (SEE APPROPRIATE WALL ELEVATION) FOR NUMBER OF SCREWS REQUIRED)

MONITOR WEIGHT 40 LB (MAX)

MAX LOAD ON KEYBOARD SHELF 5 LB

C.G. WT. = 87 LB (MAX)

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



NOTE: HOLES IN TRACK TO BE EXPANDED USING 1/4" OR #14 BIT W/ 82° COUNTERSINK FOR BOTH SHEET METAL AND WOOD SCREWS

54" BRACKET

Tu = 131 LB/SCREW (MAX)
Vu = 69 LB/SCREW (MAX)

48" BRACKET

Tu = 163 LB/SCREW (MAX)
Vu = 85 LB/SCREW (MAX)

36" BRACKET

Tu = 241 LB/SCREW (MAX)
Vu = 114 LB/SCREW (MAX)

ELEVATION

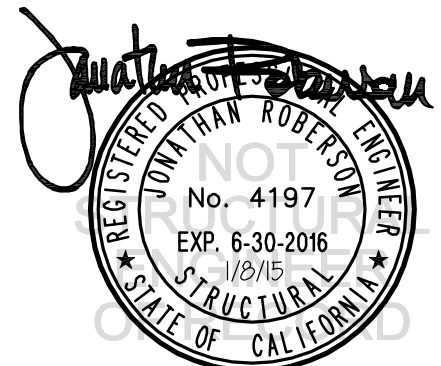
NOTES:

- FORCES ARE DETERMINED PER 2013 CALIFORNIA BUILDING CODE AND ASCE 7-10 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.



HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

3

JOB NO. **11-1442**

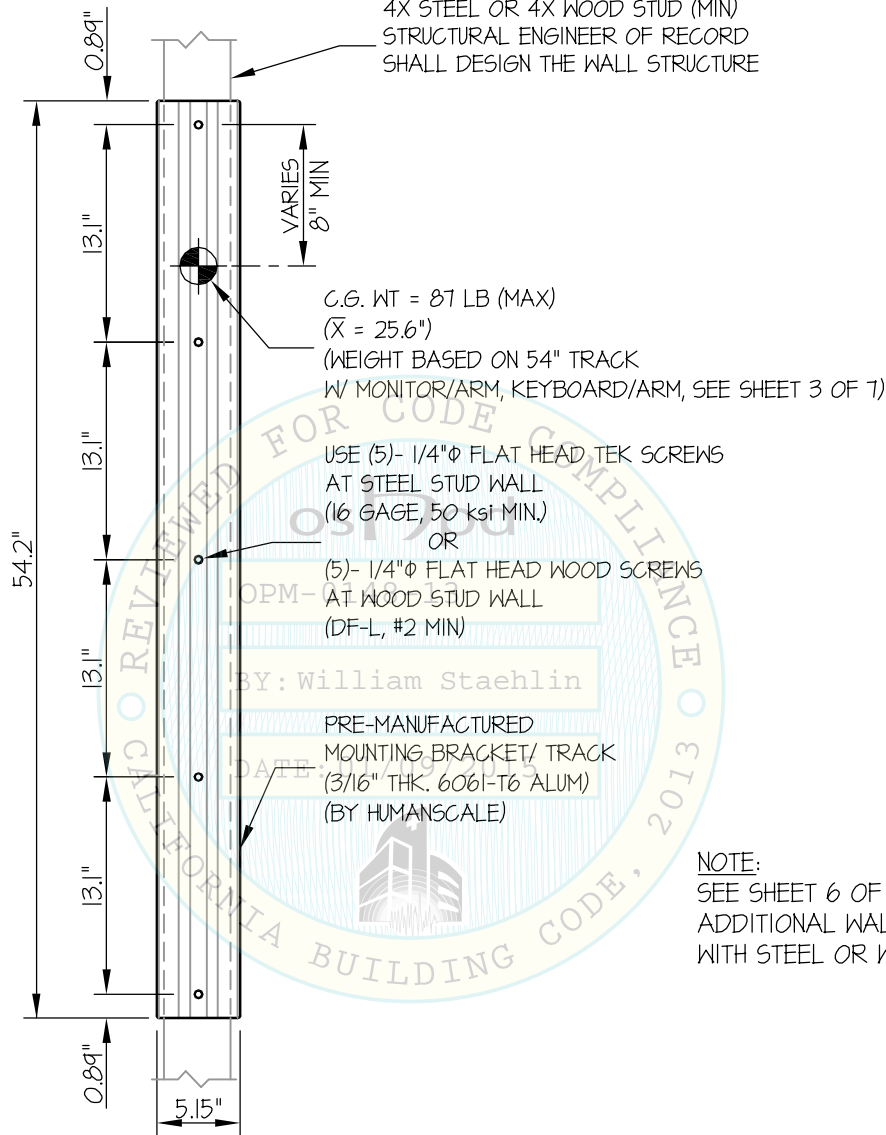
V7 WALL STATION

DATE **1/8/15**

OF **6** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



ELEVATION AT 54" TRACK

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

HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

4

V7 WALL STATION

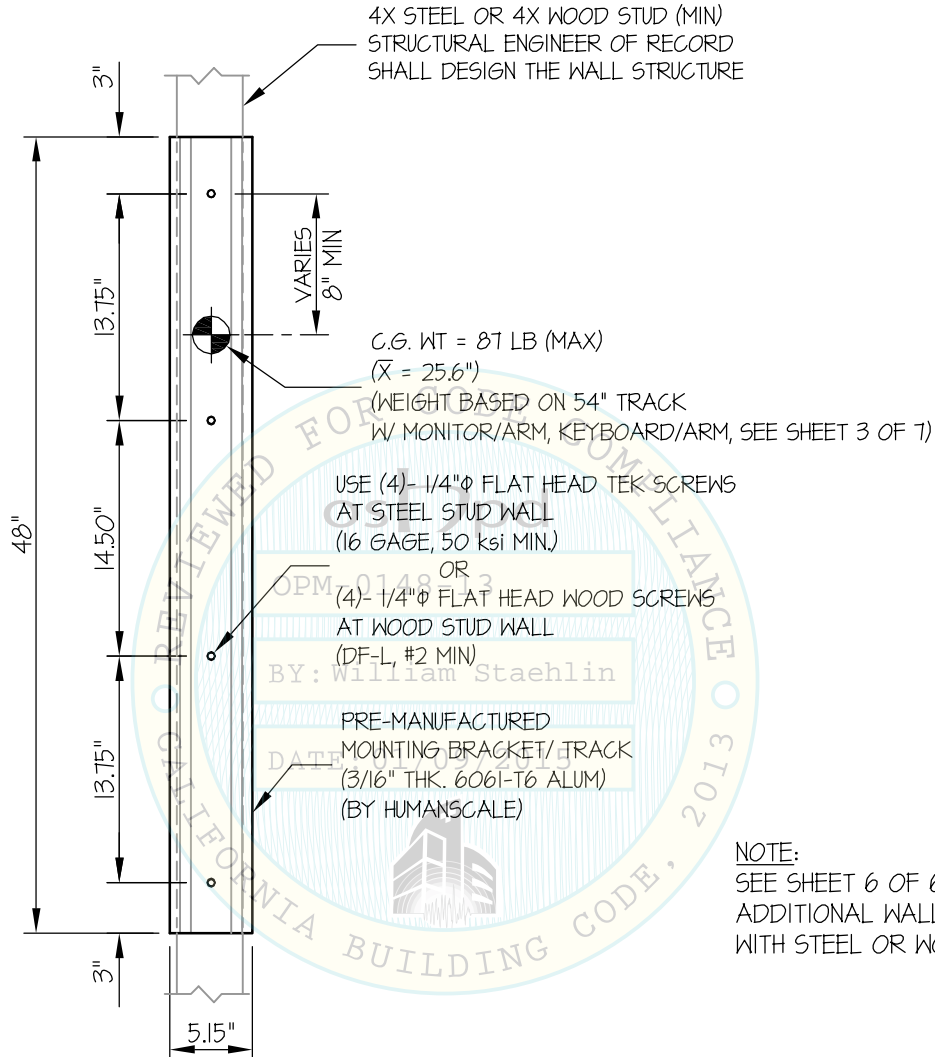
JOB NO. **11-1442**

DATE **1/8/15**

OF **6** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



NOTE:
SEE SHEET 6 OF 6 FOR
ADDITIONAL WALL MOUNTING OPTIONS
WITH STEEL OR WOOD BLKG.

ELEVATION AT 48" TRACK



HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

5

V7 WALL STATION

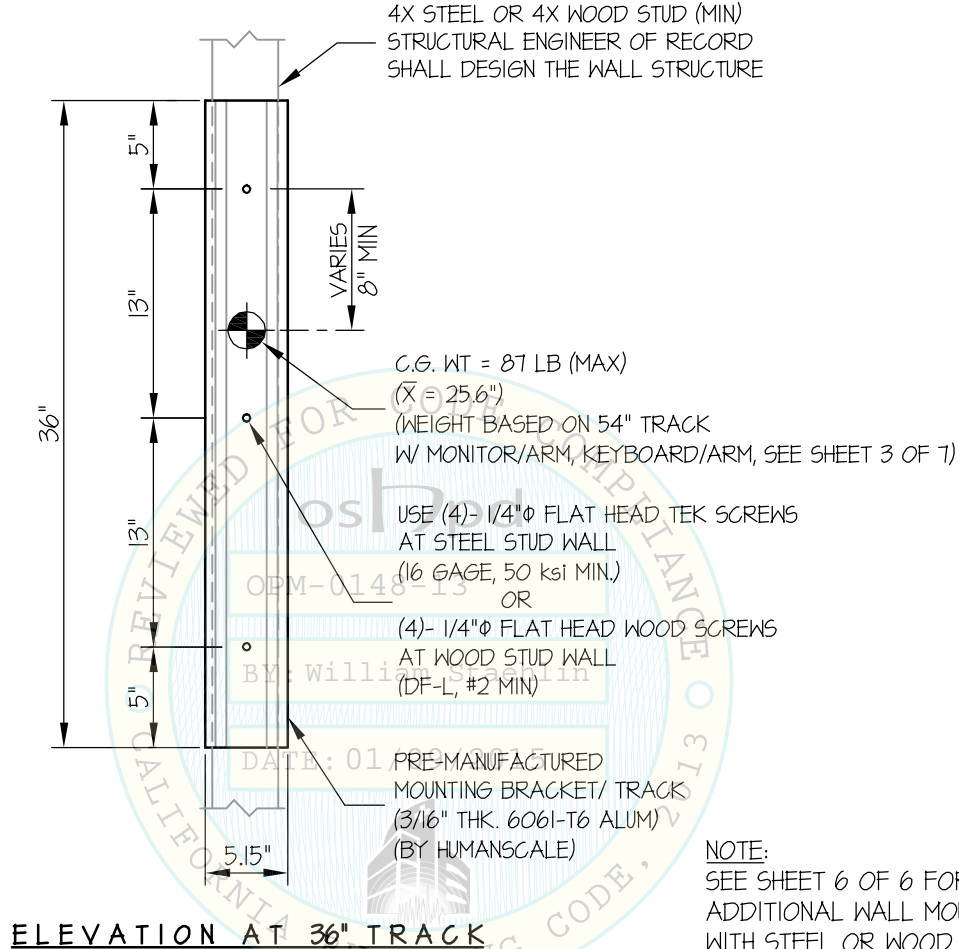
JOB NO. **11-1442**

DATE **1/8/15**

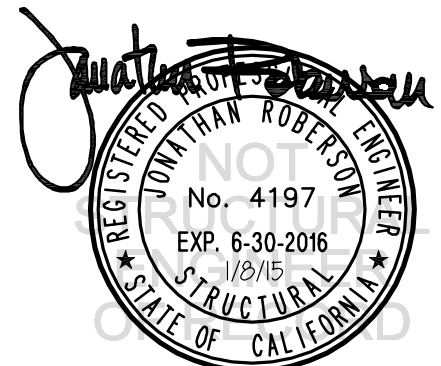
OF **6** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



NOTE:
SEE SHEET 6 OF 6 FOR
ADDITIONAL WALL MOUNTING OPTIONS
WITH STEEL OR WOOD BLKG.



HUMANSCALE HEALTHCARE

DES. **J. ROBERSON**

SHEET

6

V7 WALL STATION

JOB NO. **11-1442**

DATE **1/8/15**

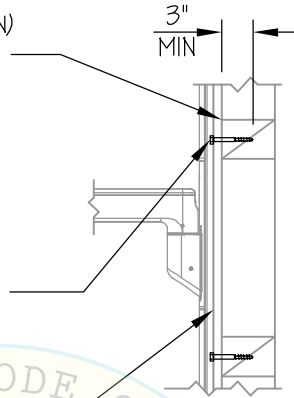
OF **6** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED

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

USE 1/4"φ X 4" FLAT HEAD WOOD SCREWS
(SEE SHEET 3-5 OF 6 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

OPM-0148-13

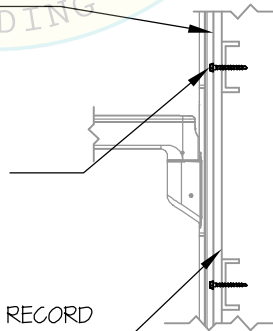
NOTE:

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

WOOD STUD WALL BLOCKING OPTION - SECTION

5/8" THK.
WALL BOARD

USE 1/4"φ X 4" FLAT HEAD TEK SCREWS
(SEE SHEET 3-5 OF 6 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

