



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY
APPLICATION #: OPM-0414-13

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: [X] New [] Renewal [] Update to Pre-CBC 2013 OPA Number:

Manufacturer Information

Manufacturer: AMICO CORPORATION

Manufacturer's Technical Representative: Paul Tilcox

Mailing Address: 85 Fulton Way, Richmond Hill, ONT, L4B 2N4 Canada

Telephone: On File Email: On File

Product Information

Product Name: Serenity Series Recessed Panel Wall

Product Type: Other mechanical and electrical components

Product Model Number: 4 panel system; widths from 12"-60" per panel; height at 114" max

General Description: Headwall system providing lighting, electrical and med gas services

Applicant Information

Applicant Company Name: EASE Co.

Contact Person: Jonathan Roberson, S.E.

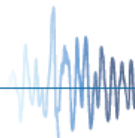
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709

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, 2016.

Signature of Applicant: [Signature] Date: 4/5/17

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, 2016 (CBSC 2016) 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 2016 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 2016 & ALL PRE-2016 CODE BASED PROJECTS

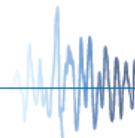
Signature:  Date: 4/11/2019

Print Name: Jeffrey Kikumoto

Title: SE

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-0414-13

THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE

MANUFACTURER: **AMICO CORPORATION** Sheet: 1 of 7
EQUIPMENT NAME: **SERENITY SERIES RECESSED PANEL WALL (SINGLE AND DOUBLE SIDED)** Date: 3/12/19

GENERAL NOTES

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 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 2016 CALIFORNIA BUILDING CODE.
4. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE $S_{Ds} \leq 2.20$, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \leq 1$.
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 2016 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: Jeffrey Kikumoto



AMICO CORPORATION

DES. **J. ROBERSON**

SHEET

2

SERENITY SERIES RECESSED PANEL WALL (SINGLE AND DOUBLE SIDED)

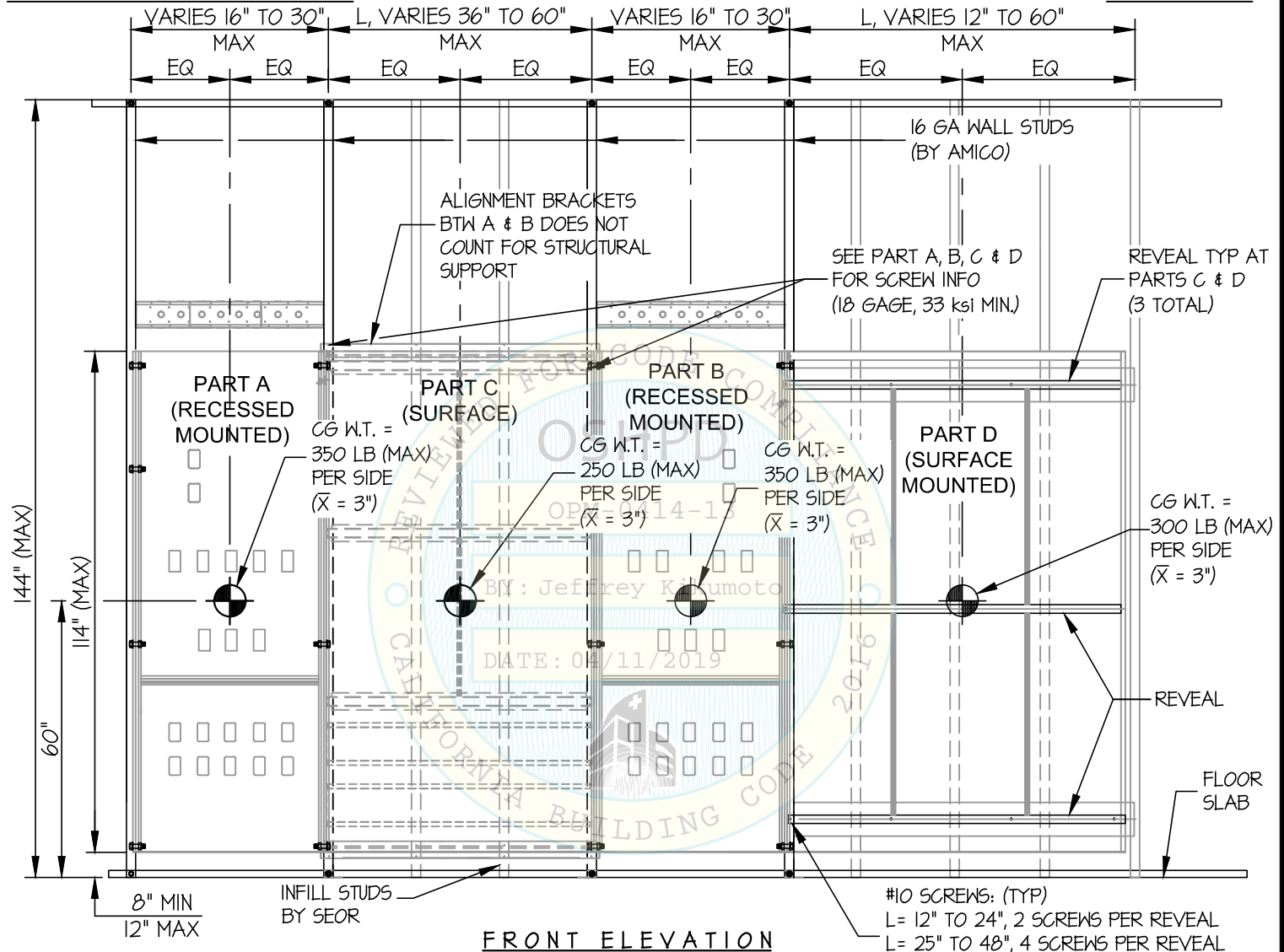
JOB NO. **11-1704**

DATE **3/12/19**

OF **7** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

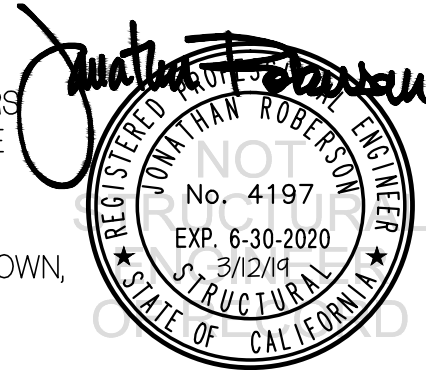
WALL MOUNTED



NOTES:

- FORCES ARE DETERMINED PER 2016 CALIFORNIA BUILDING CODE AND ASCE 7-10.**
STRENGTH DESIGN IS USED. ($S_{bs} = 2.20$, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \leq 1$)

HORIZONTAL FORCE (E_h) = $2.64 W_p$
VERTICAL FORCE (E_v) = $0.44 W_p$
- 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



AMICO CORPORATION

DES. J. ROBERSON

SHEET

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SERENITY SERIES RECESSED PANEL WALL (SINGLE SIDED)

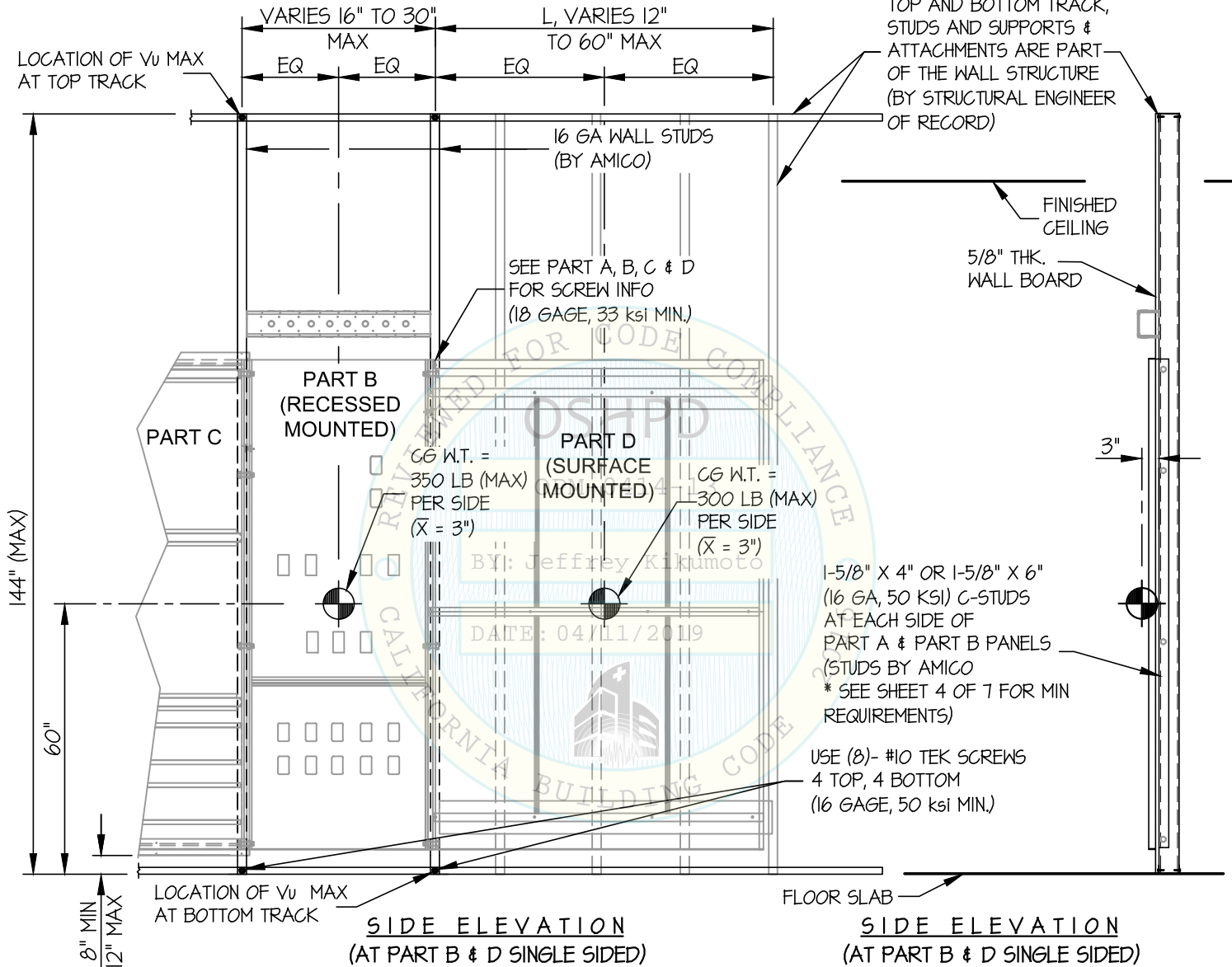
JOB NO. 11-1704

DATE 3/12/19

OF 7 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

WALL MOUNTED



PANEL TO WALL STUD

T_u = 31 LB/BOLT (MAX)
 V_u = 171 LB/BOLT (MAX)

WALL STUD TO TRACK

T_u = 128 LB/SCREW (MAX)
 V_u = 125 LB/SCREW (MAX)

ATTACHMENT CRITERIA:

MIN EDGE DISTANCE = 0.29"
 MIN END DISTANCE = 0.29"
 MIN SPACING = 0.57"



AMICO CORPORATION

DES. **J. ROBERSON**

SHEET

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SERENITY SERIES RECESSED PANEL WALL (SINGLE SIDED)

JOB NO. **11-1704**

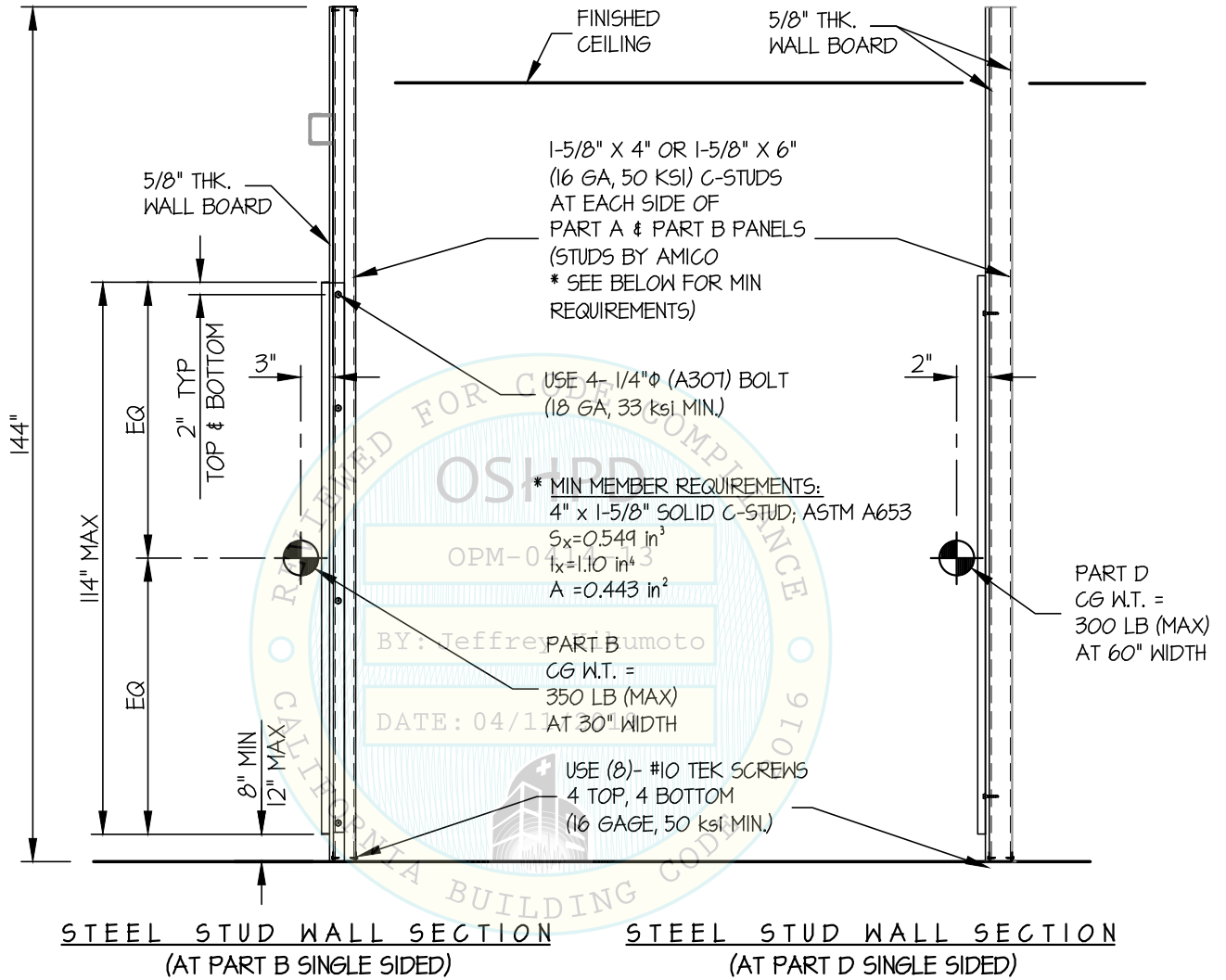
DATE **3/12/19**

OF **7** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

AMICO STUD & TRACK CONNECTION (WORST CASE)

WALL MOUNTED



PANEL TO WALL STUD

$T_u = 31 \text{ LB/BOLT (MAX)}$
 $V_u = 171 \text{ LB/BOLT (MAX)}$

WALL STUD TO TRACK

$T_u = 128 \text{ LB/SCREW (MAX)}$
 $V_u = 125 \text{ LB/SCREW (MAX)}$



AMICO CORPORATION

DES. **J. ROBERSON**

SHEET

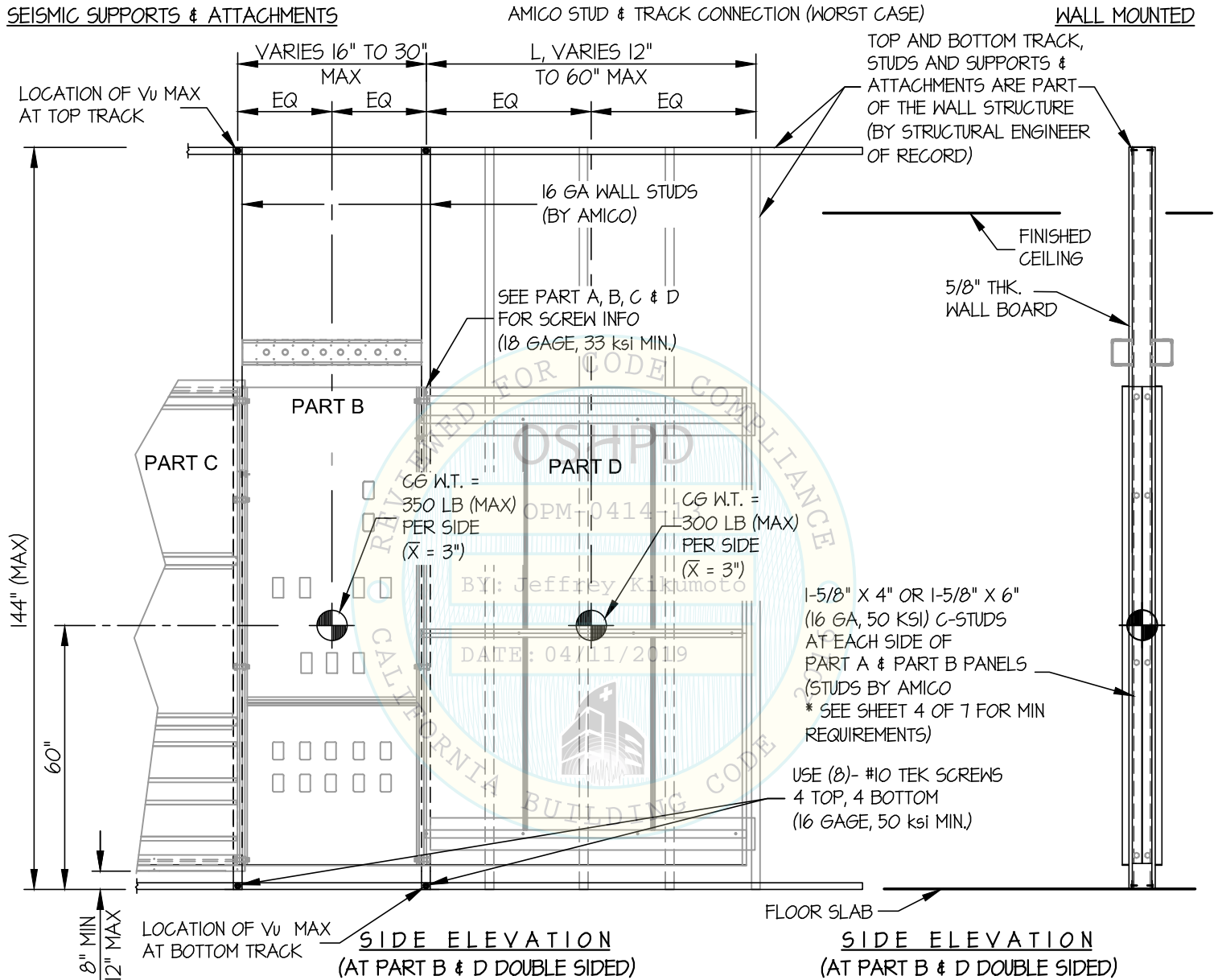
5

SERENITY SERIES RECESSED PANEL WALL (DOUBLE SIDED)

JOB NO. **11-1704**

DATE **3/12/19**

OF **7** SHEETS



WALL STUD TO TRACK
 $T_u = 193$ LB/SCREW (MAX)
 $V_u = 96$ LB/SCREW (MAX)

ATTACHMENT CRITERIA:
 MIN EDGE DISTANCE = 0.29"
 MIN END DISTANCE = 0.29"
 MIN SPACING = 0.57"



AMICO CORPORATION

DES. **J. ROBERSON**

SHEET

6

SERENITY SERIES RECESSED PANEL WALL (DOUBLE SIDED)

JOB NO. **11-1704**

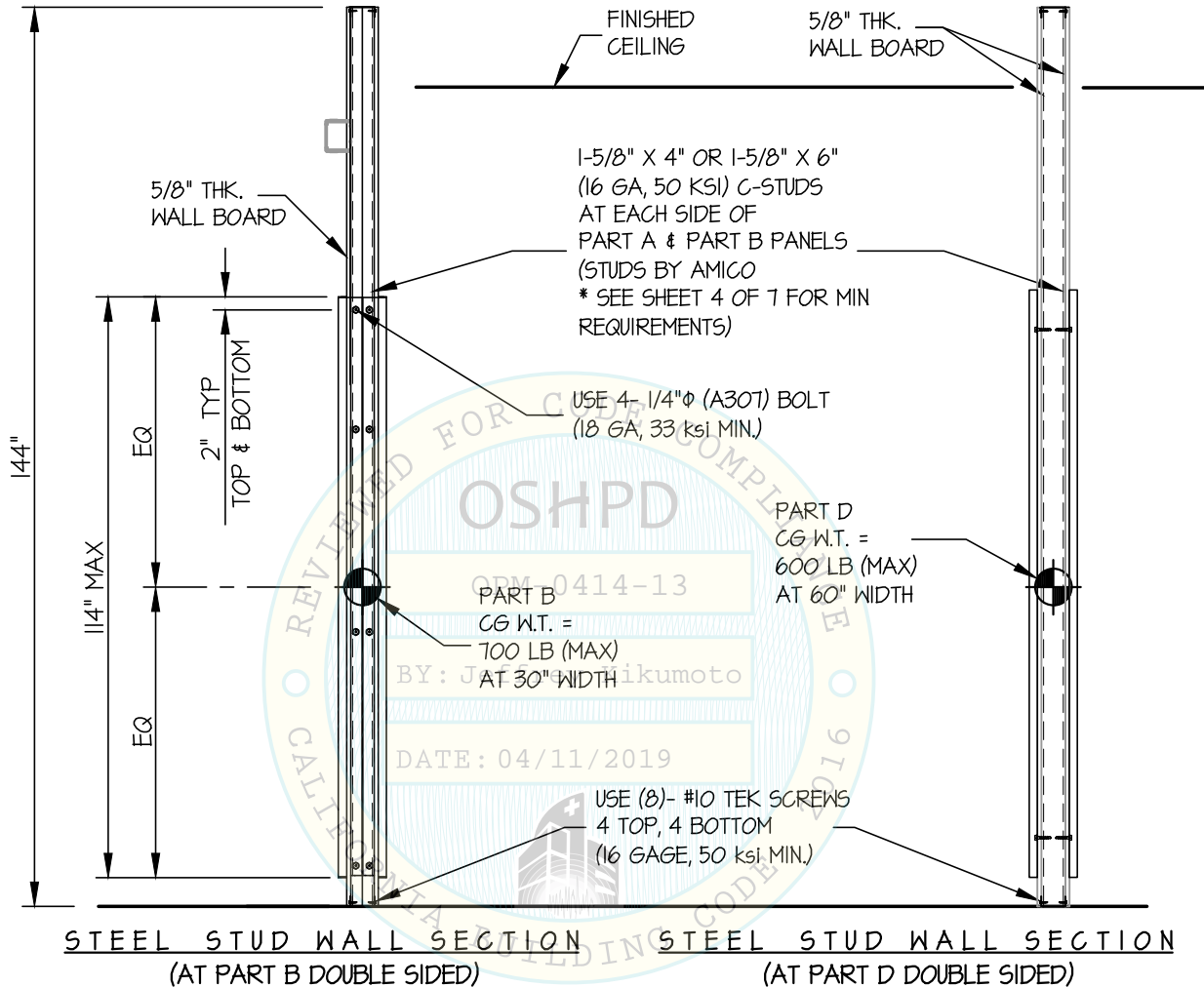
DATE **3/12/19**

OF **7** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

AMICO STUD & TRACK CONNECTION (WORST CASE)

WALL MOUNTED



WALL STUD TO TRACK

$T_u = 193$ LB/SCREW (MAX)

$V_u = 96$ LB/SCREW (MAX)



AMICO CORPORATION

DES. **J. ROBERSON**

SHEET

7

SERENITY SERIES RECESSED PANEL WALL (SINGLE SIDED)

JOB NO. **11-1704**

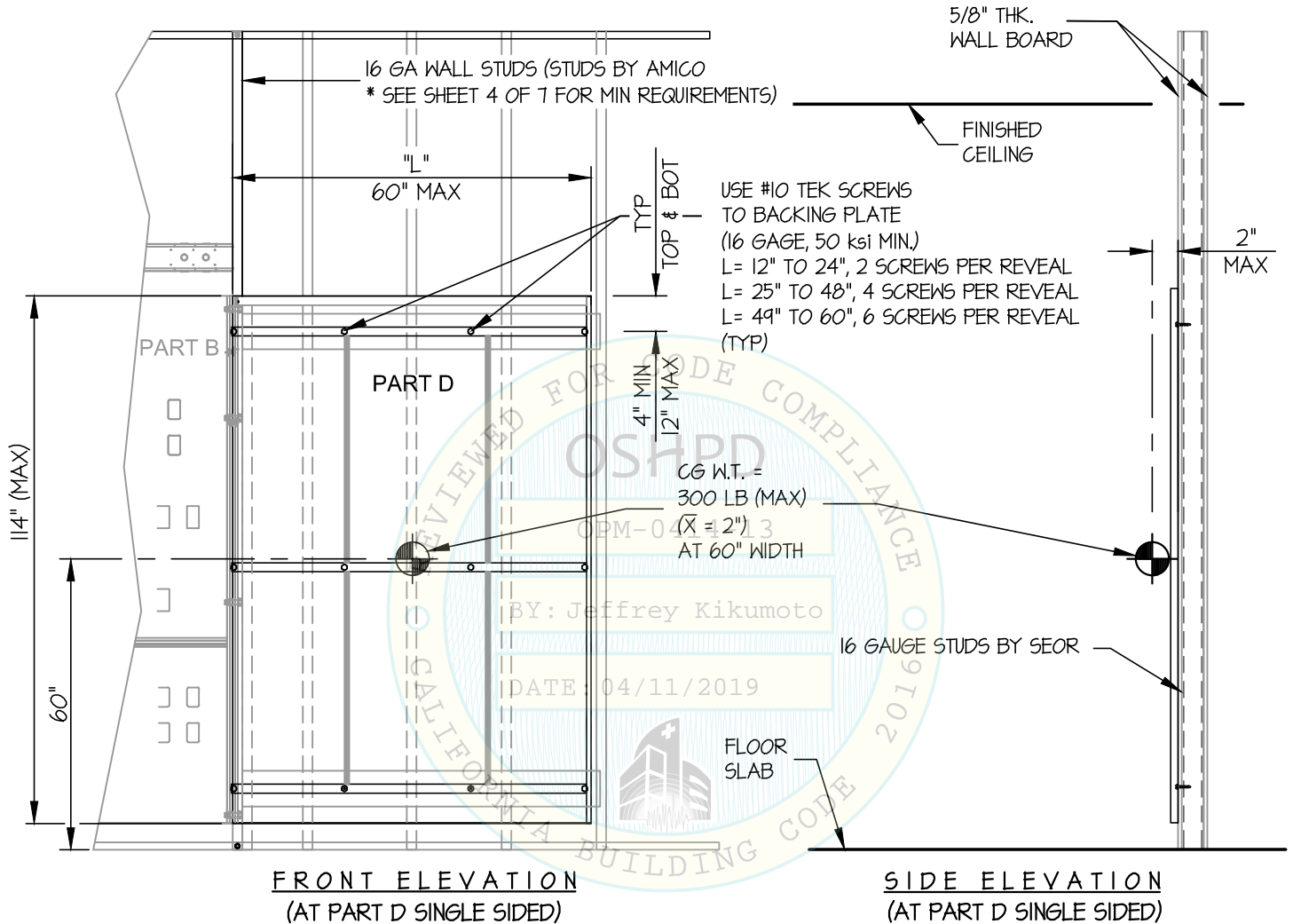
DATE **3/12/19**

OF **7** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

PANEL CONNECTION (WORST CASE)

WALL MOUNTED



UNIT TO WALL SUPPORT

$T_u = 49$ LB/SCREW (MAX)

$V_u = 52$ LB/SCREW (MAX)

