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

OFFICE USE ONLY
APPLICATION #: OPM-0420-13

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: ☒ 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: **Regal Series Recessed Flatwall**

Product Type: Other mechanical and electrical components

Product Model Number: Single vertical panel system; widths from 16"-30"; height from 36"-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: _____ 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: 11/26/2019

Print Name: Jeffrey Kikumoto

Title: Structural Engineer

Condition of Approval (if applicable):

EASE
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-0420-19

THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE

MANUFACTURER: **AMICO CORPORATION**

EQUIPMENT NAME: **REGAL SERIES RECESSED FLATWALL WITH STUDS SINGLE SIDED/DOUBLE SIDED**

Date: 8/30/19

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} = 2.20, a_p = 1.0, 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.

REGISTERED PROFESSIONAL ENGINEER
JONATHAN ROBERSON
No. 4197
EXP. 6-30-2020
8/30/19
STRUCTURAL
STATE OF CALIFORNIA

AMICO CORPORATION

REGAL SERIES RECESSED FLATWALL WITH STUDS SINGLE SIDED/DOUBLE SIDED

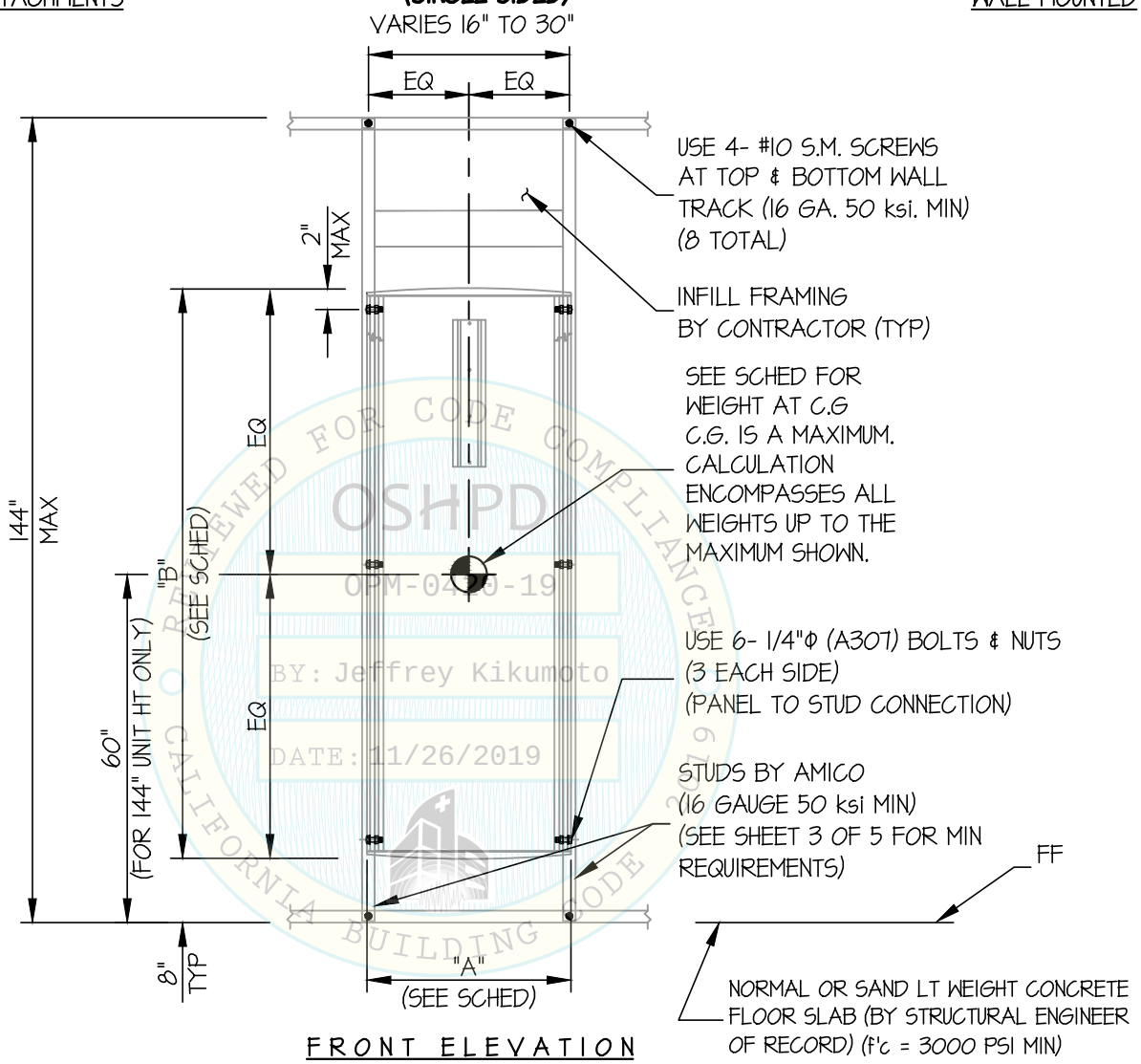
DES.	J. ROBERSON
JOB NO.	11-1704
DATE	8/30/19

SHEET 2 OF 5 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

(SINGLE SIDED)

WALL MOUNTED



FRONT ELEVATION

NOTES:

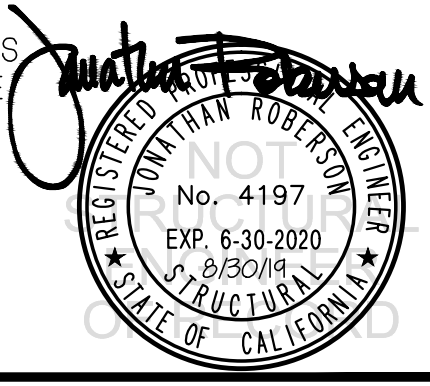
1. **FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16.**
   STRENGTH DESIGN IS USED. (S_{DS} = 2.20, a_p = 1.0, I_p = 1.5, R_p = 2.5, z/h ≤ 1)

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

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

4. SEE GENERAL NOTES: SHEET 1

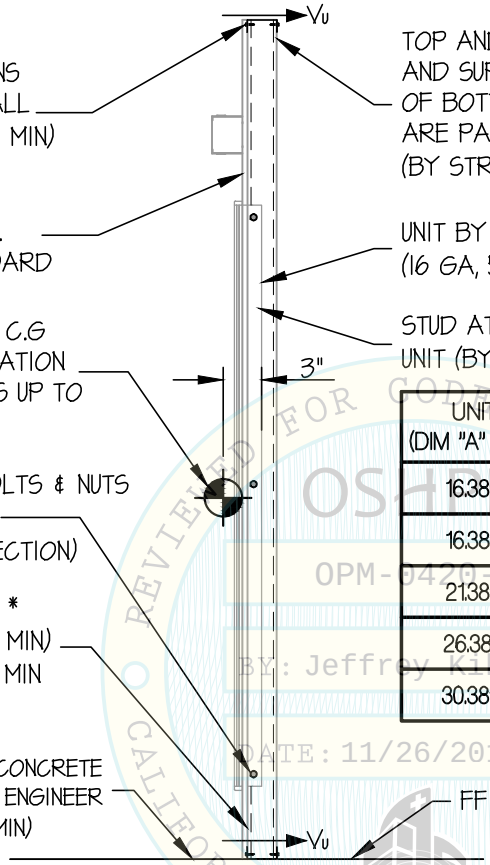


AMICO CORPORATION

REGAL SERIES RECESSED FLATWALL WITH STUDS SINGLE SIDED/DOUBLE SIDED

DES. J. ROBERSON
JOB NO. 11-1704
DATE 8/30/19
SHEET 3 OF 5 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS (SINGLE SIDED) WALL MOUNTED



SIDE ELEVATION

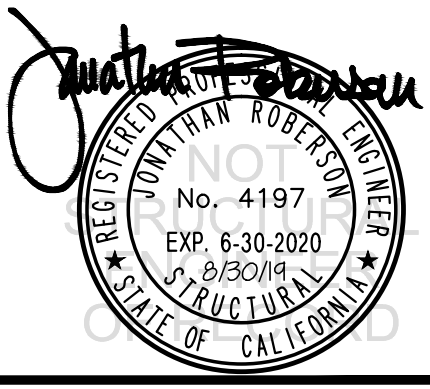
UNIT SIZE (DIM "A" X DIM "B")	MAX WT (lb.) /PER SIDE	TOTAL WT (lb.)	PANEL Vu (lb.)	STUD Vu (lb.)	STUD Tu (lb.)
16.38" X 36"	75	75	42	41	46
16.38" X 74"	125	125	65	58	66
21.38" X 74"	200	200	102	94	103
26.38" X 74"	300	300	152	140	152
30.38" X 114"	350	350	171	135	146

* MIN MEMBER REQUIREMENTS:
4" x 1-5/8" SOLID C-STUD; ASTM A653
S_x=0.549 in^3
I_x=1.10 in^4
A =0.443 in^2

BOLT SPEC: 1/4"ø (A307) BOLTS
ϕT= 1491 LBS/SCREW
ϕV= 766 LBS/SCREW

NOTE: STRENGTH OF BOLT W/ NO CONSIDERATION OF THE CONNECTED MEMBERS

#10 TEK SCREWS 16 GAGE, 50 KSI
ϕT= 254 LBS/SCREW
ϕV= 648 LBS/SCREW



AMICO CORPORATION

REGAL SERIES RECESSED FLATWALL WITH STUDS SINGLE SIDED/DOUBLE SIDED

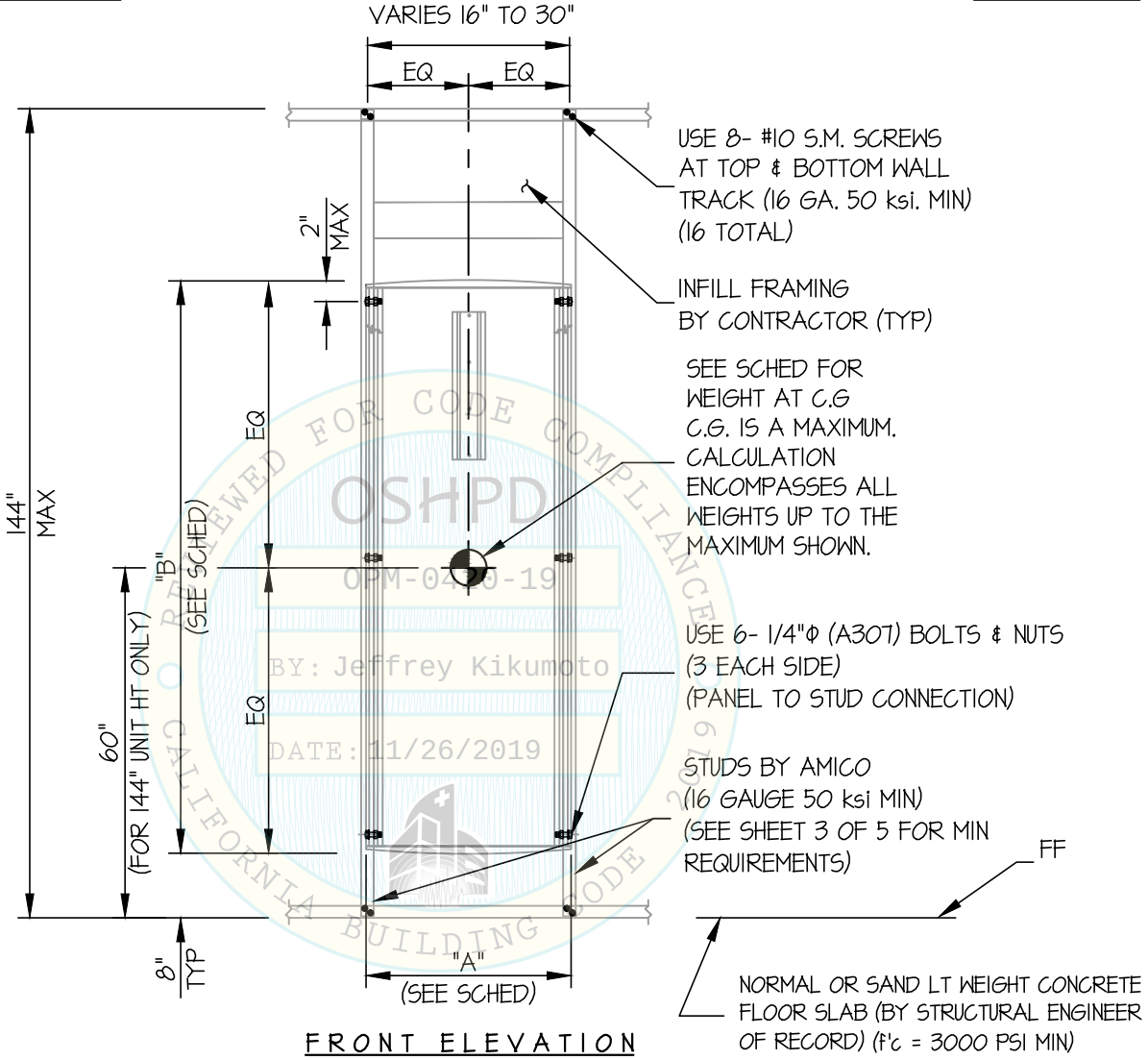
DES. J. ROBERSON
JOB NO. 11-1704
DATE 8/30/19

SHEET 4 OF 5 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

(DOUBLE SIDED)

WALL MOUNTED



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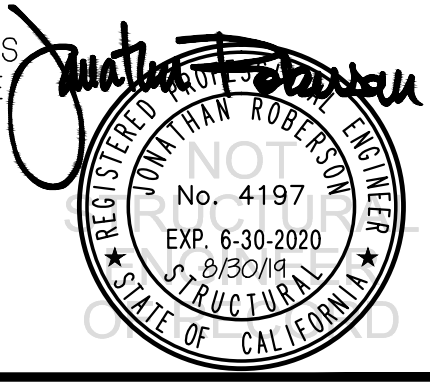
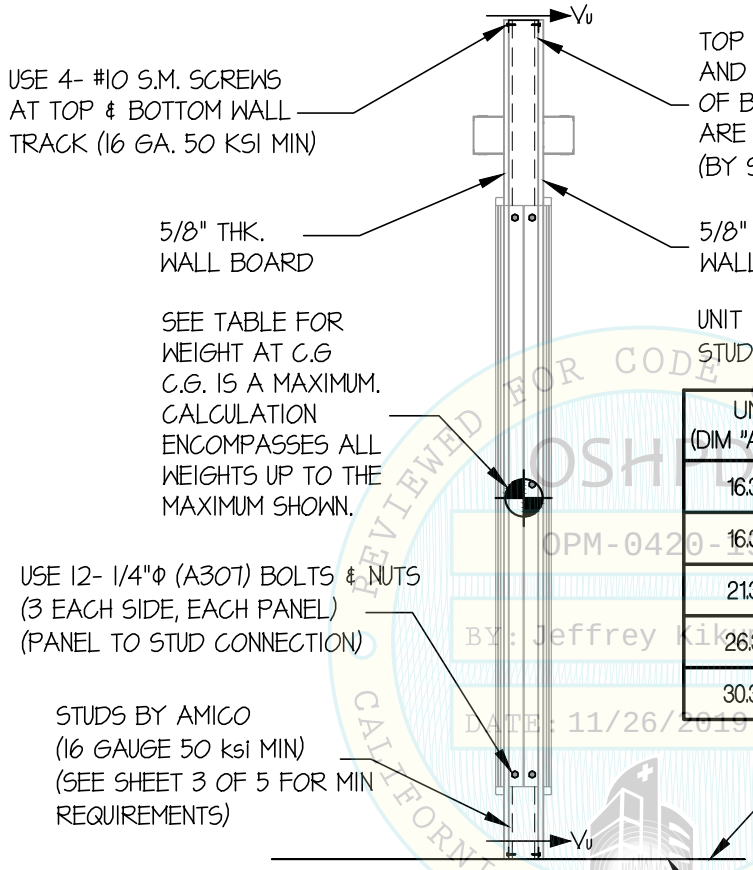


AMICO CORPORATION

REGAL SERIES RECESSED FLATWALL WITH STUDS SINGLE SIDED/DOUBLE SIDED

DES. J. ROBERSON
JOB NO. 11-1704
DATE 8/30/19
SHEET 5 OF 5 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS (DOUBLE SIDED) WALL MOUNTED



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21.38" X 74"	200	400	94	94
26.38" X 74"	300	600	141	141
30.38" X 114"	350	700	135	135

NOTE: REFER TO SHEET 3 OF 5 FOR SCREW AND BOLT CAPACITIES