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

OFFICE USE ONLY

APPLICATION #: OPM-0360

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: ☐ New ☒ Renewal/Update

Manufacturer Information

Manufacturer: TouchPoint Medical

Manufacturer's Technical Representative: Cris Daugbjerg

Mailing Address: 2200 TouchPoint Drive, Odessa, FL 33556

Telephone: (707) 217-0906 Email: cdaugbjerg@touchpointmed.com

Product Information

Product Name: TITAN AND ELITE WALL MOUNTS

Product Type: Other electrical and mechanical components

Product Model Number: UL182EV7-W3-KUS-MD26, ELP5220-WT-KUS-MD26, UL550-W3-KUB-A2

General Description: wall mounted computer workstation

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 Assistant

Registered Design Professonal Preparing Engineering Recommendations

Company Name: EASE LLC

Name: Jonathan Roberson California License Number: S4197

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

Telephone: (951) 295-1892 Email: jon@EASECo.com

HCAI 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, 2022 (CBSC 2022) 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 2022 may be used when approved by HCAI prior to testing.

☒ Analysis

☐ Experience Data

☐ Combination of Testing, Analysis, and/or Experience Data (Please Specify):

HCAI Approval

Date: 4/28/2024

Name: William Staehlin Title: Senior 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

The Department of Health Care Access and Information

PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0360

THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE

MANUFACTURER: **ICW USA INC.**

EQUIPMENT NAME: **ULTRA AND ELITE WALL MOUNTS**

Date: 4/23/24

GENERAL NOTES

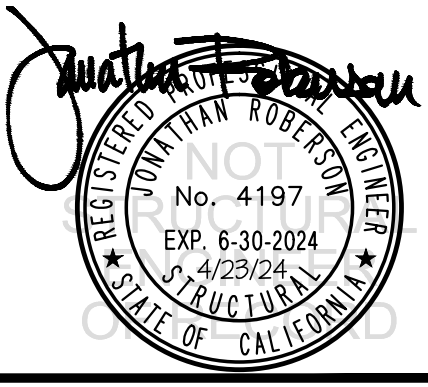
1. THIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC
2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
3. THIS PREAPPROVAL CONFORMS TO THE 2022 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} = 1.70, 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 1.70.
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 2022 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.

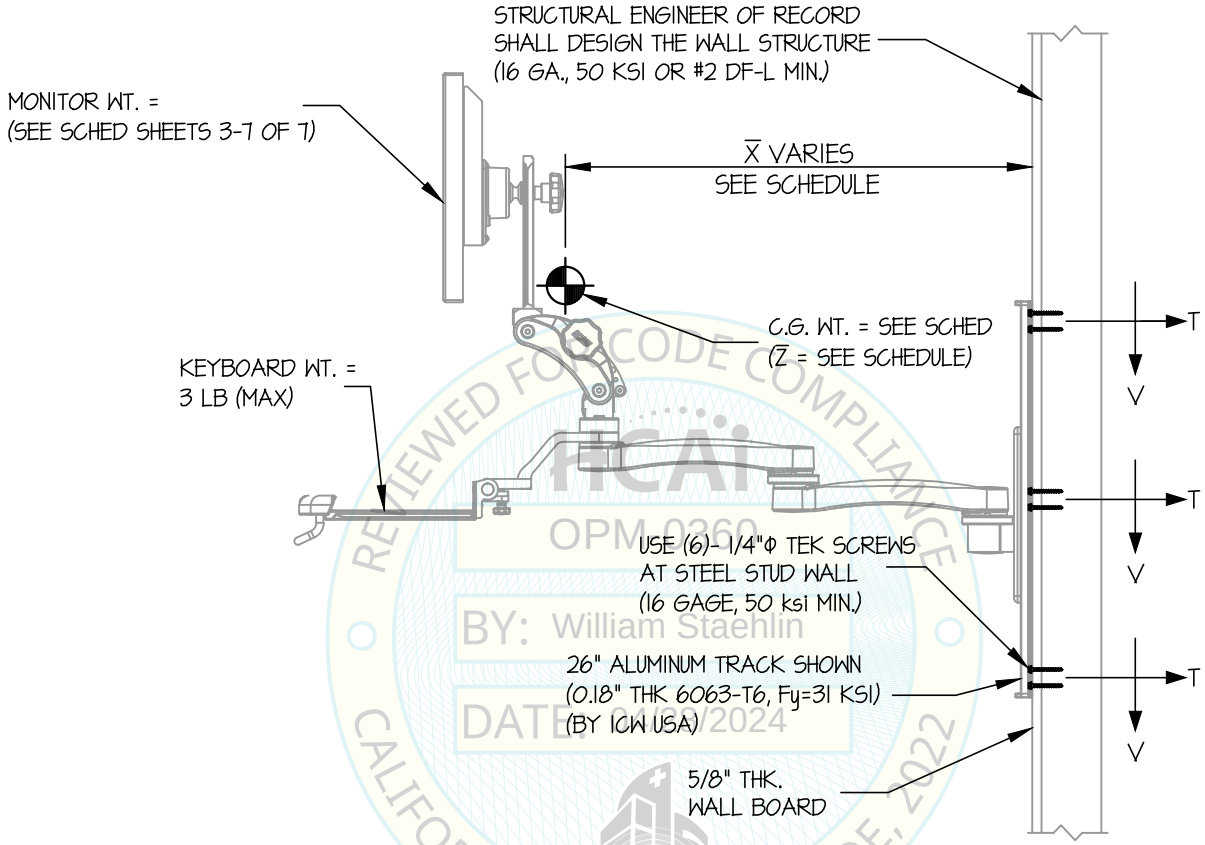


ICW USA INC.

ULTRA AND ELITE WALL MOUNTS

J. ROBERSON
JOB NO. 11-2329
DATE 4/23/24
SHEET 2 OF 7 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — WALL MOUNTED



STEEL STUD WALL SECTION
(ULTRA 550 MODEL SHOWN)

NOTES:

1. FORCES ARE DETERMINED PER 2022 CALIFORNIA BUILDING CODE AND ASCE 7-16. STRENGTH DESIGN IS USED. (EXAMPLE: S_{DS} = 1.70, a_p = 2.5, I_p = 1.5, R_p = 2.5, $z/h \leq 1$)

   HORIZONTAL FORCE (E_h) = 3.06 W_p
   VERTICAL FORCE (E_v) = 0.44 W_p

2. THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL CG POSITIONS UP TO THE VALUES SHOWN.
3. THIS PREAPPROVAL WAS PREPARED WITHOUT KNOWLEDGE OF ANY SITE CONDITION. COMPATIBILITY FOR USE WITH A SITE SHALL BE EVALUATED BY THE STRUCTURAL ENGINEER OF RECORD OF THE INSTALLATION (SEOR). USE REQUIRES APPROVAL BY THE SEOR.
4. STRUCTURAL ENGINEER OF RECORD FOR THE INSTALLATION SHALL VERIFY ALL CONDITIONS, EVALUATE INTERACTION WITH ADJACENT EQUIPMENT AND ANCHORS, AND PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
5. SEE GENERAL NOTES: SHEETS 1

REGISTERED PROFESSIONAL ENGINEER
JONATHAN ROBERSON
No. 4197
EXP. 6-30-2024
4/23/24
STRUCTURAL
STATE OF CALIFORNIA

ICW USA INC.

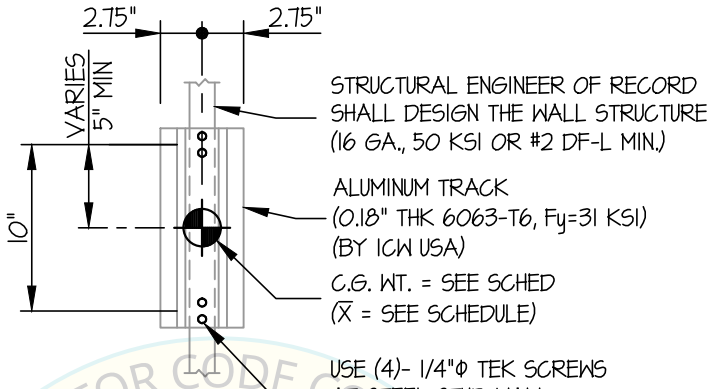
ULTRA AND ELITE WALL MOUNTS

DES. J. ROBERSON
JOB NO. 11-2329
DATE 4/23/24
SHEET 3 OF 7 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

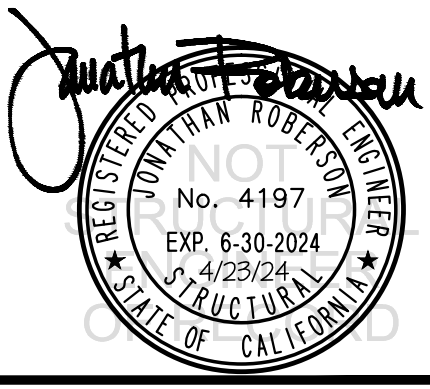
12" TRACK

WALL MOUNTED



ELEVATION AT WALL PLATE
(STEEL STUD WALL SHOWN)

MODEL	MONITOR WEIGHT (LB)	TOTAL LOAD (LB.)	$\bar{X}$ (in.)	(AFW) Tu (lb.)	(AFW) Vu (lb.)	(AW) Tu (lb.)	(AW) Vu (lb.)
UL182EV7-W3-KUS-A1	32	61	31.6	195	52	87	197
ELP5220-WT-KUS	28	62	48.0	277	53	88	277
UL550-W3-KUB-A2	32	50	25.8	138	43	71	138



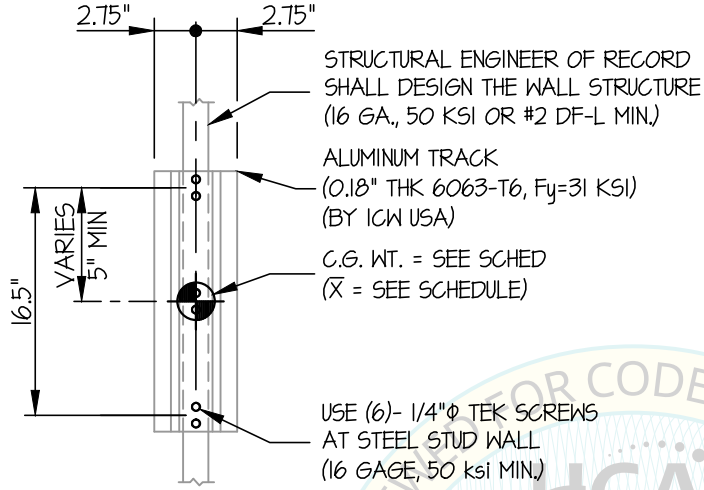
ICW USA INC.

ULTRA AND ELITE WALL MOUNTS

DES. J. ROBERSON
JOB NO. 11-2329
DATE 4/23/24
SHEET 4 OF 7 SHEETS

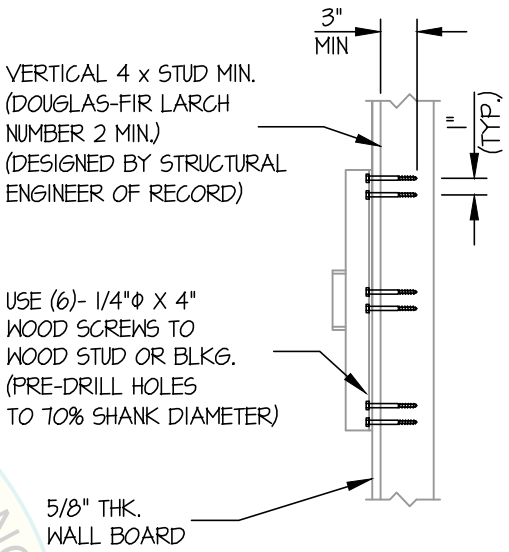
SEISMIC SUPPORTS & ATTACHMENTS

19" TRACK



ELEVATION AT WALL PLATE
(STEEL STUD WALL SHOWN)

WALL MOUNTED



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

WOOD STUD WALL SECTION

MODEL	MONITOR WEIGHT (LB)	TOTAL LOAD (LB.)	$\bar{X}$ (in.)	(AFW) Tu (lb.)	(AFW) Vu (lb.)	(AW) Tu (lb.)	(AW) Vu (lb.)
UL182EV7-W3-KUS-A1	32	61	31.6	121	49	57	138
ELP5220-WT-KUS	28	62	48.0	171	50	58	187
UL550-W3-KUB-A2	32	50	25.8	86	29	46	99

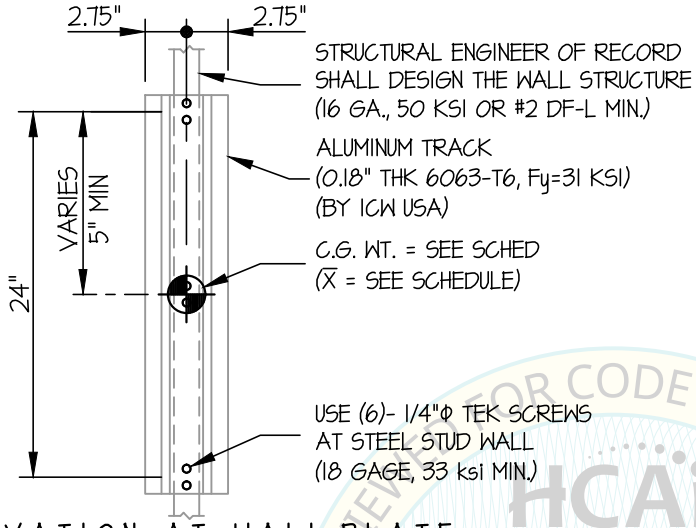
ICW USA INC.

ULTRA AND ELITE WALL MOUNTS

DES. J. ROBERSON
JOB NO. 11-2329
DATE 4/23/24
SHEET 5 OF 7 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

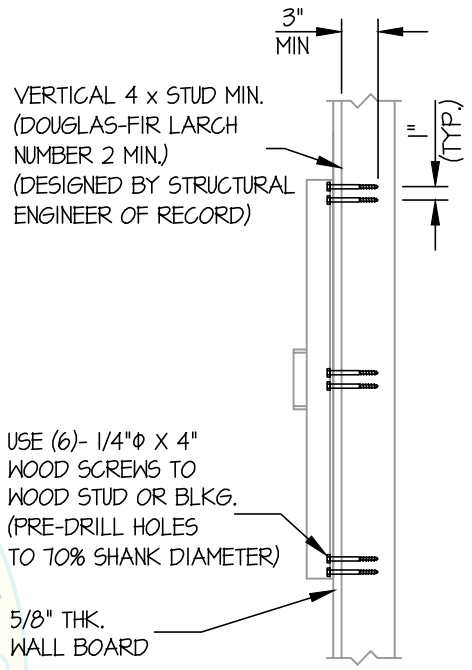
26" TRACK



ELEVATION AT WALL PLATE
(STEEL STUD WALL SHOWN)

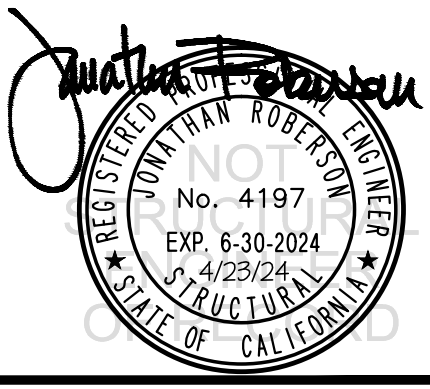
MODEL	MONITOR WEIGHT (LB)	TOTAL LOAD (LB.)	X̄ (in.)	(AFW) Tu (lb.)	(AFW) Vu (lb.)	(AW) Tu (lb.)	(AW) Vu (lb.)
UL182EV7-W3-KUS-A1	32	61	31.6	93	49	53	110
ELP5220-WT-KUS	28	62	48.0	127	50	54	144
UL550-W3-KUB-A2	32	50	25.8	67	29	44	81

WALL MOUNTED



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

WOOD STUD WALL SECTION



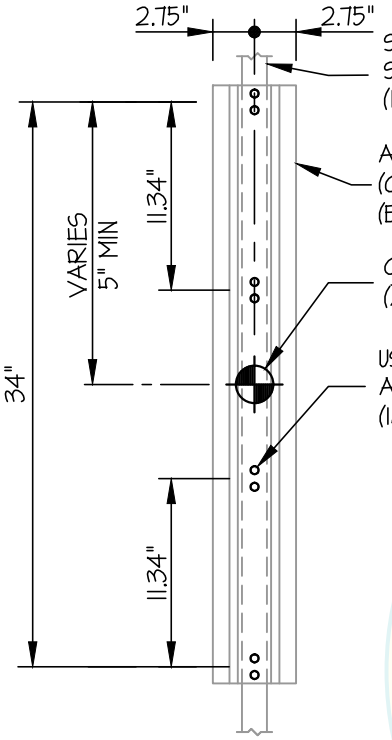
ICW USA INC.

ULTRA AND ELITE WALL MOUNTS

DES. J. ROBERSON
JOB NO. 11-2329
DATE 4/23/24
SHEET 6 OF 7 SHEETS

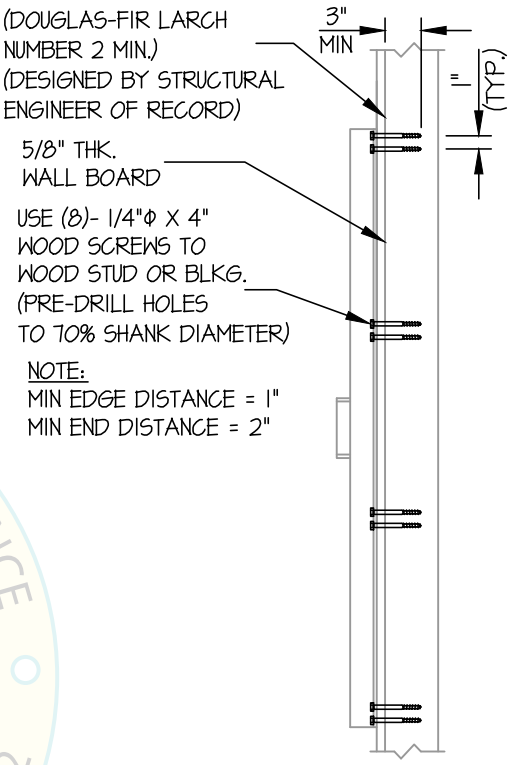
SEISMIC SUPPORTS & ATTACHMENTS

36" TRACK



ELEVATION AT WALL PLATE
(STEEL STUD WALL SHOWN)

WALL MOUNTED



WOOD STUD WALL SECTION

MODEL	MONITOR WEIGHT (LB)	TOTAL LOAD (LB.)	X̄ (in.)	(AFW) Tu (lb.)	(AFW) Vu (lb.)	(AW) Tu (lb.)	(AW) Vu (lb.)
UL182EV7-W3-KUS-A1	32	61	31.6	67	48	40	91
ELP5220-WT-KUS	28	62	48.0	91	49	40	116
UL550-W3-KUB-A2	32	50	25.8	48	21	32	68

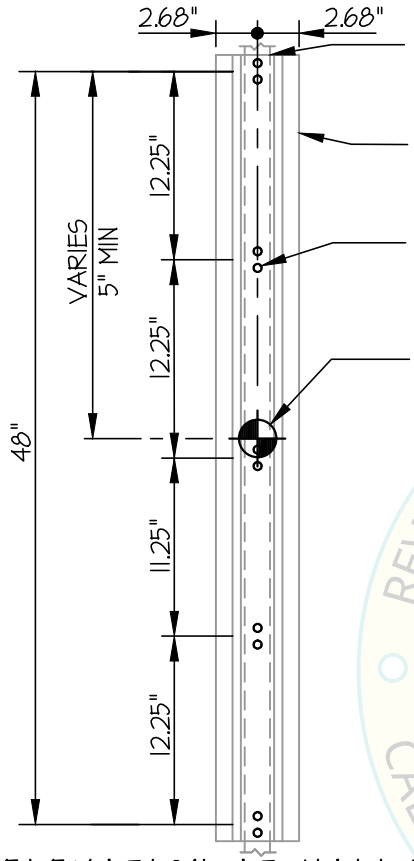
ICW USA INC.

ULTRA AND ELITE WALL MOUNTS

DES. J. ROBERSON
JOB NO. 11-2329
DATE 4/23/24
SHEET 7 OF 7 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

50" TRACK



STRUCTURAL ENGINEER OF RECORD SHALL DESIGN THE WALL STRUCTURE (16 GA., 50 KSI OR #2 DF-L MIN.)

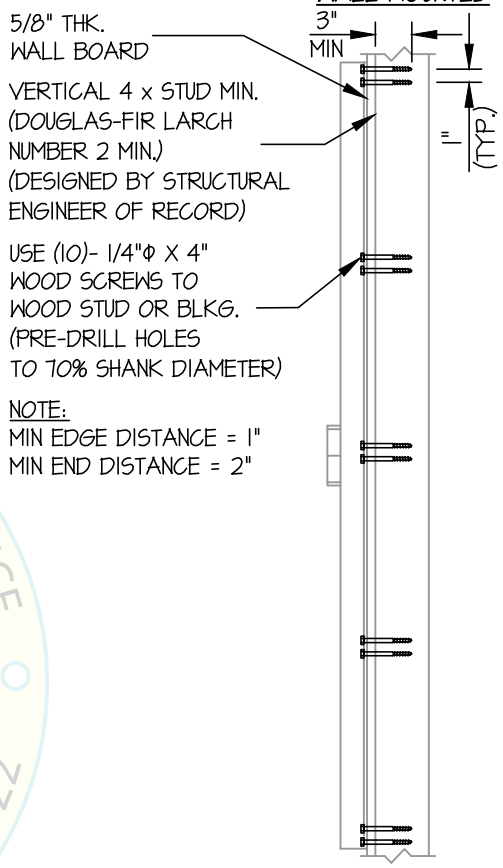
ALUMINUM TRACK (0.18" THK 6063-T6, Fy=31 KSI) (BY ICW USA)

USE (10)- 1/4"Φ TEK SCREWS AT STEEL STUD WALL (18 GAGE, 33 ksi MIN.)

C.G. WT. = SEE SCHED ($\bar{X}$ = SEE SCHEDULE)

ELEVATION AT WALL PLATE
(STEEL STUD WALL SHOWN)

WALL MOUNTED



VERTICAL 4 x STUD MIN. (DOUGLAS-FIR LARCH NUMBER 2 MIN.) (DESIGNED BY STRUCTURAL ENGINEER OF RECORD)

USE (10)- 1/4"Φ X 4" WOOD SCREWS TO WOOD STUD OR BLKG. (PRE-DRILL HOLES TO 70% SHANK DIAMETER)

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

WOOD STUD WALL SECTION

MODEL	MONITOR WEIGHT (LB)	TOTAL LOAD (LB.)	$\bar{X}$ (in.)	(AFW) Tu (lb.)	(AFW) Vu (lb.)	(AW) Tu (lb.)	(AW) Vu (lb.)
UL182EV7-W3-KUS-A1	32	61	31.6	50	48	31	78
ELP5220-WT-KUS	28	62	48.0	67	49	32	96
UL550-W3-KUB-A2	32	50	25.8	36	17	25	59