



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

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

OFFICE USE ONLY

APPLICATION #: OPM-0722

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: ☒ New ☐ Renewal/Update

Manufacturer Information

Manufacturer: Legrand AV Inc.

Manufacturer's Technical Representative: Oron Brockman

Mailing Address: 300 Fairfield Road, Fairfield, NJ 07004

Telephone: (862) 401-0859

Email: oron.brockman@legrand.com

Product Information

Product Name: FIT Fixed and Tilt Display Wall Mounts Series-0) \$\$

Product Type: Communication equipment

Product Model Number: RLF3, RLT3, RLXT3, RMF3, RMT3, RXF3, RXT3

General Description: Monitor wall mounts

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

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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

Registered Design Professional 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: 4/30/2024

Name: William Staehlin

Title: Senior Structural Engineer

Condition of Approval (if applicable): \_\_\_\_\_

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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





**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-0722**

**THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE**

MANUFACTURER: **LEGRAND AV INC**  
EQUIPMENT NAME: **Fit Fixed and Tilt Display Wall Mounts Series**

Sheet: 1 of 5

Date: 4/30/24

**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 WHERE  $S_{ds}$  IS NOT GREATER THAN 2.30.
4. FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,  
WHERE  $S_{ds} = 2.30$ ,  $a_p = 1.0$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ ,  $z/h \leq 1$  CONCRETE WALL. SEE FOLLOWING SHEETS FOR  $\Omega_o$ .
5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
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. CONCRETE WALL DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION. (i.e.  $z/h \leq 1$ )
9. **RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING**
  - A. PROVIDE SUPPORTING STRUCTURE 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, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PREAPPROVAL DOCUMENTS.
  - C. VERIFY THAT PROJECT SPECIFIC VALUES OF  $S_{ds}$  &  $z/h$  RESULT IN SEISMIC FORCES ( $E_h$ ,  $E_v$ ) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.
  - D. VERIFY THAT THE CONCRETE WALL TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR AND THIS OPM.
  - E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY CONCRETE WALL EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).
  - F. VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE UNIT ATTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR  $6h_{ef}$  FROM THIS UNIT'S ANCHORS.
  - G. DESIGN BACKING BARS, STUDS, ETC. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS.



## LEGRAND AV INC

DES. J. ROBERSON

SHEET

2

JOB NO. 11-2405

DATE 4/30/24

OF 5 SHEETS

Fit Fixed and Tilt Display  
Wall Mounts Series

## 10. SCREW ANCHORS:

- A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT.

Anchor Diameter	Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Min. Embed.	Min. Spacing	Min. Edge Dist.	Min. Conc. Thickness	Torque Test	Direct Tension Test
3/8"	Normal Weight	3000	Hilti Kwik Bolt TZ2 (CARBON STEEL)	ESR-4266	2"	8"	14"	6"	30 FT-LB	1982 lb

- B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 14" AWAY MINIMUM (i.e. - CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.

- C. TESTING AND SPECIAL INSPECTION OF SCREW ANCHORS SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACILITY OWNER PER CBC 1704A & 1910A.5 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE.

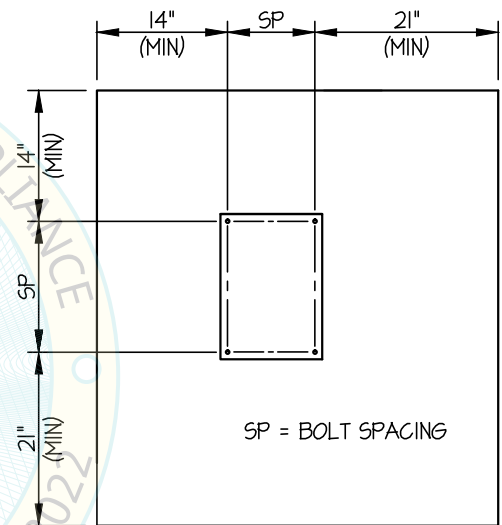
- (i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST AT LEAST 50% OF THE ANCHORS.

- (ii) ACCEPTANCE CRITERIA:

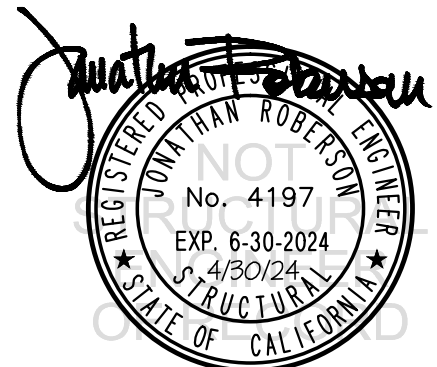
- DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.

- (iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.

- D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE SCREW ANCHORS



TYPICAL CONCRETE EDGE DETAIL





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SHEET

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JOB NO. 11-2405

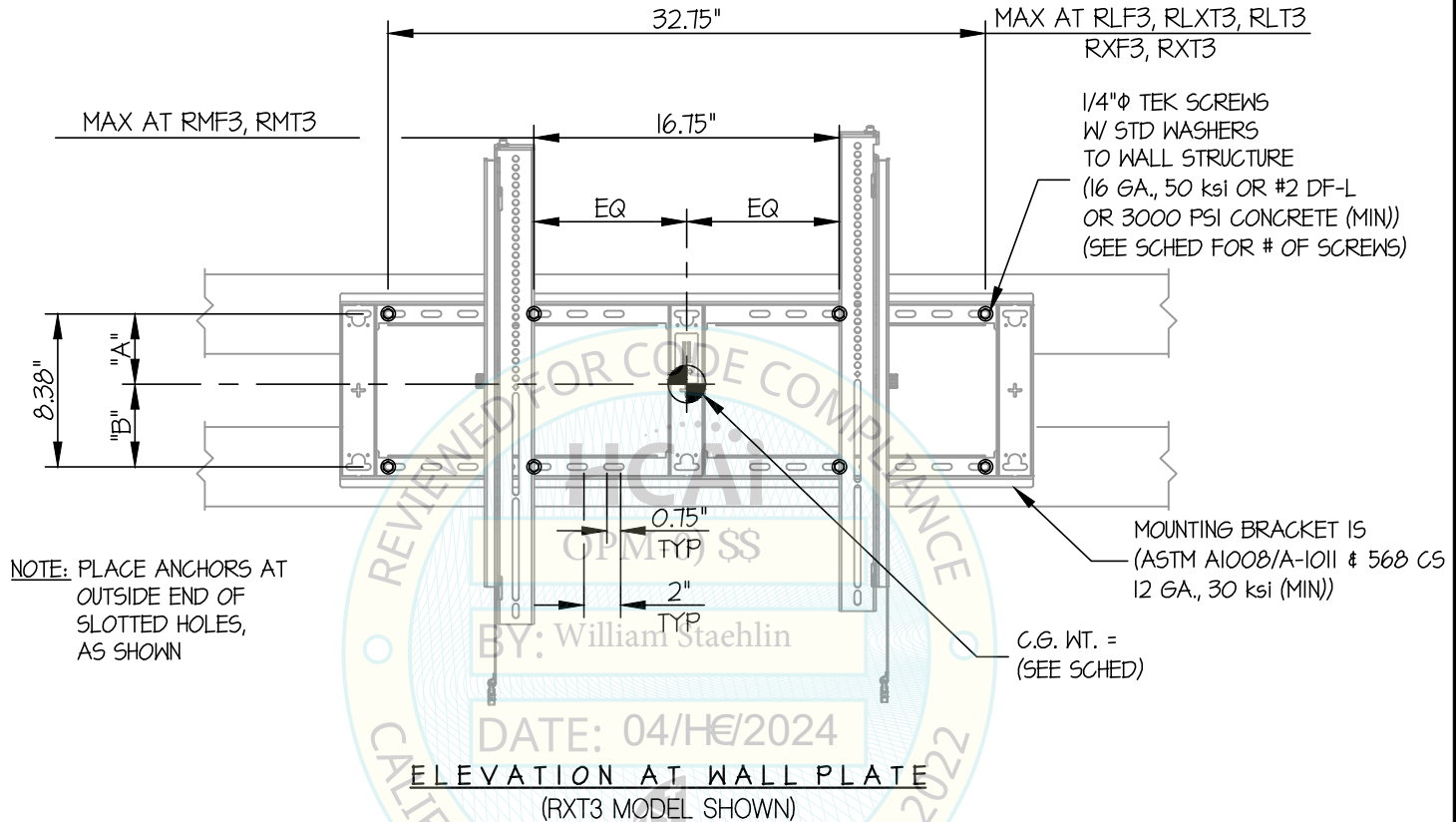
DATE 4/30/24

OF 5 SHEETS

Fit Fixed and Tilt Display  
Wall Mounts Series

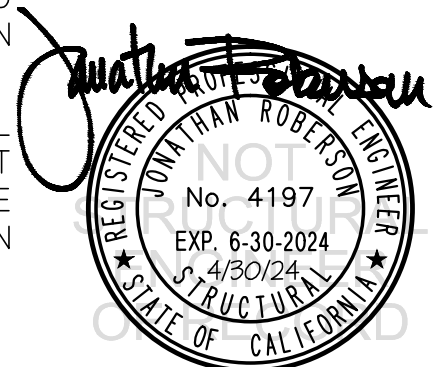
SEISMIC SUPPORTS &amp; ATTACHMENTS

WALL MOUNTED



## NOTES:

- FORCES ARE DETERMINED PER 2022 CALIFORNIA BUILDING CODE AND ASCE 7-16.  
STRENGTH DESIGN IS USED. (EXAMPLE:  $S_{DS} = 2.30$ ,  $a_p = 1.0$ ,  $I_p = 1.5$ ,  $R_p = 2.5$ ,  $\Omega_o = 2.0$ ,  $z/h \leq 1$ )  
  
 HORIZONTAL FORCE ( $E_h$ ) =  $1.66 W_p$   
 HORIZONTAL FORCE ( $E_{mh}$ ) =  $3.32 W_p$  (FOR CONCRETE ANCHORAGE)  
 VERTICAL FORCE ( $E_v$ ) =  $0.46 W_p$
- THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL CG POSITIONS UP TO THE VALUES SHOWN.
- 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.
- 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.
- SEE GENERAL NOTES: SHEETS 1 AND 2



## LEGRAND AV INC

DES. J. ROBERSON

SHEET

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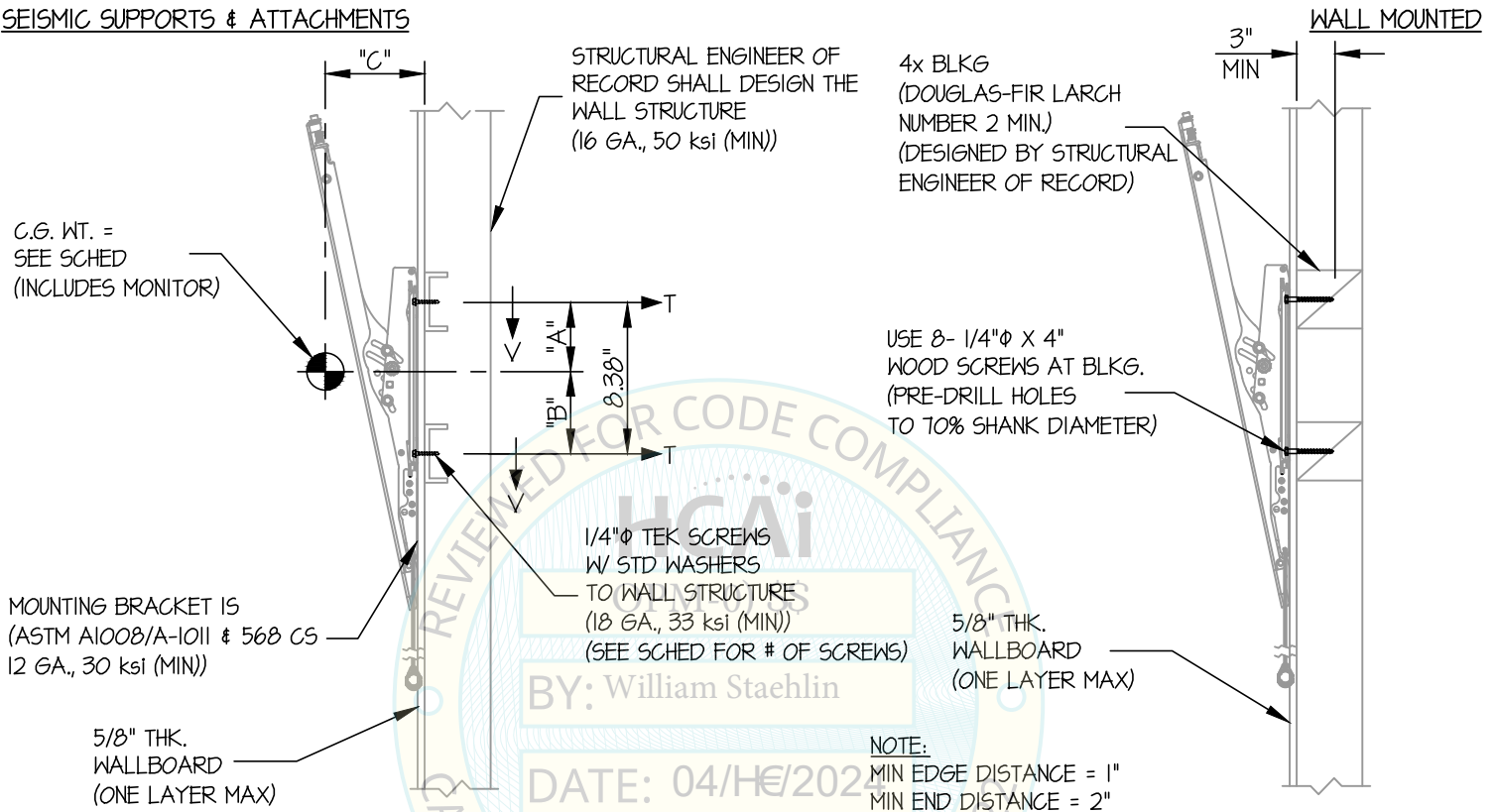
Fit Fixed and Tilt Display  
Wall Mounts Series

JOB NO. 11-2405

DATE 4/30/24

OF 5 SHEETS

## SEISMIC SUPPORTS &amp; ATTACHMENTS

STEEL STUD WALL SECTION  
(RXT3 MODEL SHOWN)WOOD STUD WALL SECTION  
(RXT3 MODEL SHOWN)

MODEL - DESCRIPTION	MAX MONITOR WT (lb)	WEIGHT (lb/ft)	# OF SCREWS	"A" (in.)	"B" (in.)	"C" (in.)	++ Tu (lb.)	++ Vu (lb.)
RLF3 - LARGE UNIVERSAL FIXED MOUNT	200	211	8	4.26	4.12	4	88	97
RLT3 - LARGE UNIVERSAL TILT MOUNT	200	213	8	4.21	4.17	5	101	98
RLXT3 - LARGE UNIVERSAL, EXTENDING, TILT MOUNT	150	167	8	3.9	4.48	8	109	82
RMF3 - MEDIUM FIXED MOUNT	125	134	4	4.26	4.12	3	100	123
RMT3 - MEDIUM UNIVERSAL TILT MOUNT	125	136	4	4.18	4.2	5	134	126
RXF3 - EXTRA-LARGE UNIVERSAL FIXED MOUNT	250	264	8	4.25	4.13	4	110	121
RXT3 - EXTRA-LARGE UNIVERSAL TILT MOUNT	250	266	8	3.71	4.67	6	147	135

++ (VALUES DO NOT INCLUDE  $\Omega_0$ )

## LEGRAND AV INC

DES. J. ROBERSON

SHEET

5

Fit Fixed and Tilt Display  
Wall Mounts Series

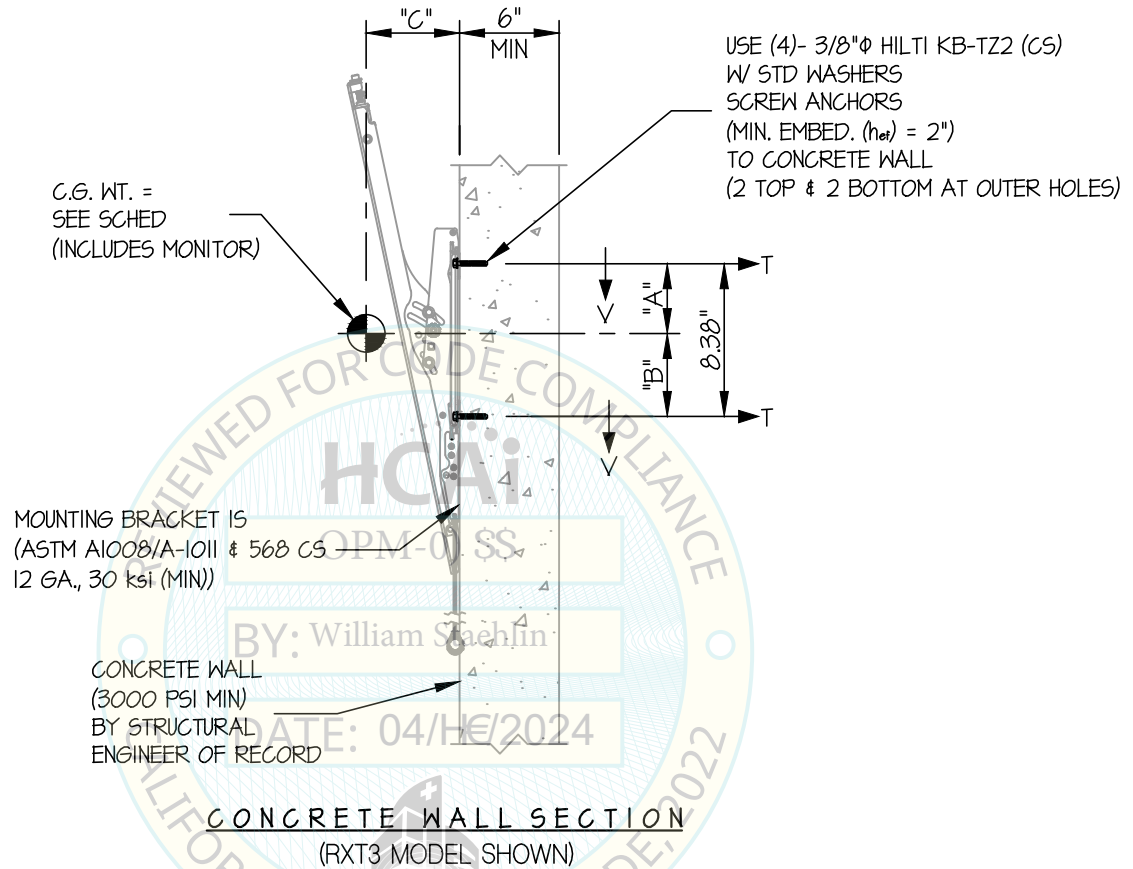
JOB NO. 11-2405

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OF 5 SHEETS

SEISMIC SUPPORTS &amp; ATTACHMENTS

WALL MOUNTED



MODEL - DESCRIPTION	MAX MONITOR WT (lb)	WEIGHT (lb/ft)	# OF BOLTS	"A" (in.)	"B" (in.)	"C" (in.)	++ Tu (lb)	++ Vu (lb)
RLF3 - LARGE UNIVERSAL FIXED MOUNT	200	211	4	4.26	4.12	4	268	355
RLT3 - LARGE UNIVERSAL TILT MOUNT	200	213	4	4.21	4.17	5	298	363
RLXT3 - LARGE UNIVERSAL, EXTENDING, TILT MOUNT	150	167	4	3.9	4.48	8	302	304
RMF3 - MEDIUM FIXED MOUNT	125	134	4	4.26	4.12	3	161	226
RMT3 - MEDIUM UNIVERSAL TILT MOUNT	125	136	4	4.18	4.2	5	201	233
RXF3 - EXTRA-LARGE UNIVERSAL FIXED MOUNT	250	264	4	4.25	4.13	4	336	446
RXT3 - EXTRA-LARGE UNIVERSAL TILT MOUNT	250	266	4	3.71	4.67	6	431	504

++ (VALUES INCLUDE  $\Omega$ )