



**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-0567**

**HCAI Preapproval of Manufacturer's Certification (OPM)**

Type:  New  Renewal/Update

**Manufacturer Information**

Manufacturer: BD

Manufacturer's Technical Representative: Jared Zamaloff

Mailing Address: 10020 Pacific Mesa Blvd., San Diego, CA 92121

Telephone: (888) 617-4340

Email: jared.zamaloff@bd.com

**Product Information**

Product Name: GCSM Double Storage and Clim Mini Cabinets

Product Type: Other Electrical & Mechanical Elements

Product Model Number: N/A

General Description: System provides easy access to deeded supplies on nursing floors & throughout your healthcare facility.  
This secure storage device provides your staff with the ability to document supply usage, in real-time.

**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

*"A healthier California where all receive equitable, affordable, and quality health care"*

**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**

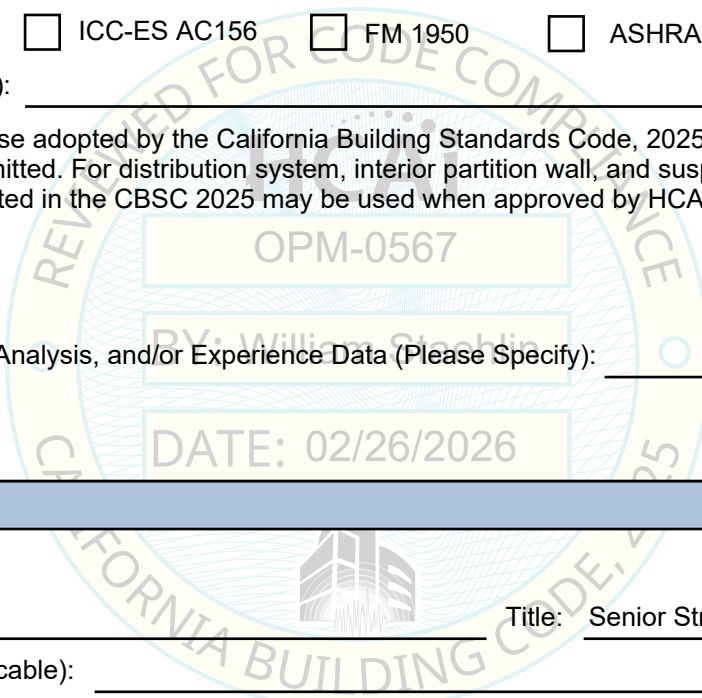
Company Name: EASE LLC  
Name: Jonathan Roberson California License Number: S4197  
Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709  
Telephone: (951) 295-1892 Email: jon@EASECo.com

**Certification Method**

Testing in accordance with:  ICC-ES AC156  FM 1950  ASHRAE 171  FEMA 461  
 Other(s) (Please Specify): \_\_\_\_\_

\*Use of criteria other than those adopted by the California Building Standards Code, 2025 (CBSC 2025) 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 2025 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: 2/26/2026  
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

Department of Health Care Access and Information  
**PREAPPROVAL OF MANUFACTURER'S CERTIFICATION**  
**OPM-0567**

**THIS PREAPPROVAL CONFORMS TO THE 2025 CALIFORNIA BUILDING CODE**

MANUFACTURER: **BD**  
EQUIPMENT NAME: **CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS**

Sheet: 1 of 10  
Date: 2/25/26

**GENERAL NOTES**

1. THIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2025 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2025 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 2025 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN 1.10, 1.60 & 2.50.
4. FORCES PER ASCE 7-22 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,  
WHERE  $S_{Ds}=1.10, I_p=1.5, C_{AR}=1.0, R_{po}=1.5, z/h=0, (R_{\mu}=1.0, H_f=1.0)$  AT CONCRETE SLAB AT OR BELOW GRADE. SEE FOLLOWING SHEETS FOR  $\Omega_{op}$   
WHERE  $S_{Ds}=1.60, I_p=1.5, C_{AR}=1.0, R_{po}=1.5, z/h=0, (R_{\mu}=1.0, H_f=1.0)$  AT CONCRETE SLAB AT OR BELOW GRADE. SEE FOLLOWING SHEETS FOR  $\Omega_{op}$   
WHERE  $S_{Ds}=2.50, I_p=1.5, C_{AR}=1.0, R_{po}=1.5, z/h \leq 0.95, (R_{\mu}=1.3, H_f=3.375)$  AT CONCRETE SLAB ON METAL DECK.  
SEE FOLLOWING SHEETS FOR  $\Omega_{op}$
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. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e.  $z/h \leq 0.95$ )
8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e.  $z/h = 0$ )
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 2025 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 SEISMIC PARAMETERS RESULT IN SEISMIC FORCES ( $E_h, E_v$ ) THAT DO NOT EXCEED THE VALUES IN THIS OPM.
  - D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT AND THIS OPM.
  - E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB 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.



**BD**

DES. **J. ROBERSON**

SHEET

**2**

JOB NO. **11-2511**

## CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

DATE **2/25/26**

OF **10** SHEETS

### 10. EXPANSION 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
1/2"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2 (CARBON STEEL)	ESR-4266	3.25"	9.75"	12"	See Detail "A"	50 FT-LB	N/A
1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2 (CARBON STEEL)	ESR-4266	2"	8"	14"	4"	50 FT-LB	1982 lb
1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2 (CARBON STEEL)	ESR-4266	3.25"	8"	21"	6"	40 FT-LB	3026 lb

- B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 14" & 21" AWAY MINIMUM (i.e. - CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.

- C. TESTING AND SPECIAL INSPECTION OF EXPANSION 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) DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF THE ANCHORS.  
(ii) ACCEPTANCE CRITERIA:

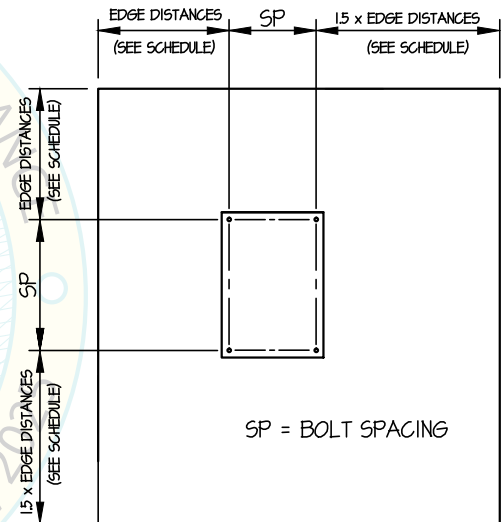
- DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.
- TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT

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

- D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.  
E. PROVIDE FOR FULL THREAD ENGAGEMENT OF NUT & WASHER.

### 11. BOLTS THROUGH CONCRETE ON METAL DECK

- A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.  
B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.  
C. THROUGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN TENSION DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.



TYPICAL CONCRETE EDGE DETAIL  
(SLAB ON GRADE ONLY)



**BD**

DES. **J. ROBERSON**

SHEET

**3**

### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

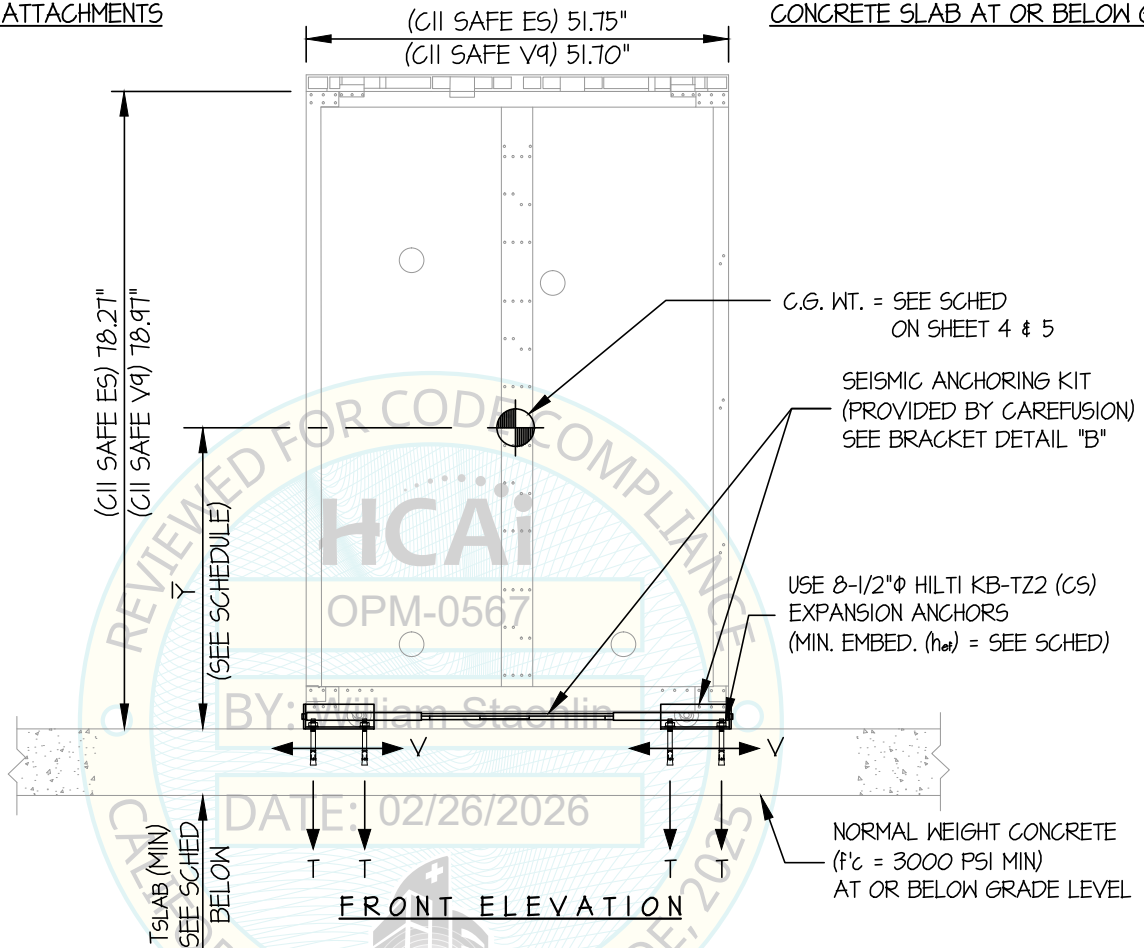
JOB NO. **11-2511**

DATE **2/25/26**

OF **10** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB AT OR BELOW GRADE



ANCHORS					
MAX Sds	TYPE	DIAM	EFF EMBED	QTY	TSLAB
110	HILTI KB-TZ2	1/2"	2"	8	4"
160	HILTI KB-TZ2	1/2"	3.25"	8	6"

**NOTES:**

- FORCES ARE DETERMINED PER 2025 CALIFORNIA BUILDING CODE AND ASCE 7-22. STRENGTH DESIGN IS USED. (EXAMPLE:  $I_p=15$ ,  $CAR=10$ ,  $R_{po}=15$ ,  $\Omega_{op}=15$ ,  $R^U=10$ ,  $H_f=10$ ,  $z/h=0$ )
- THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL C.G. POSITIONS NOT EXCEEDING 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



**BD**

DES. **J. ROBERSON**

SHEET

**4**

### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

JOB NO. **11-2511**

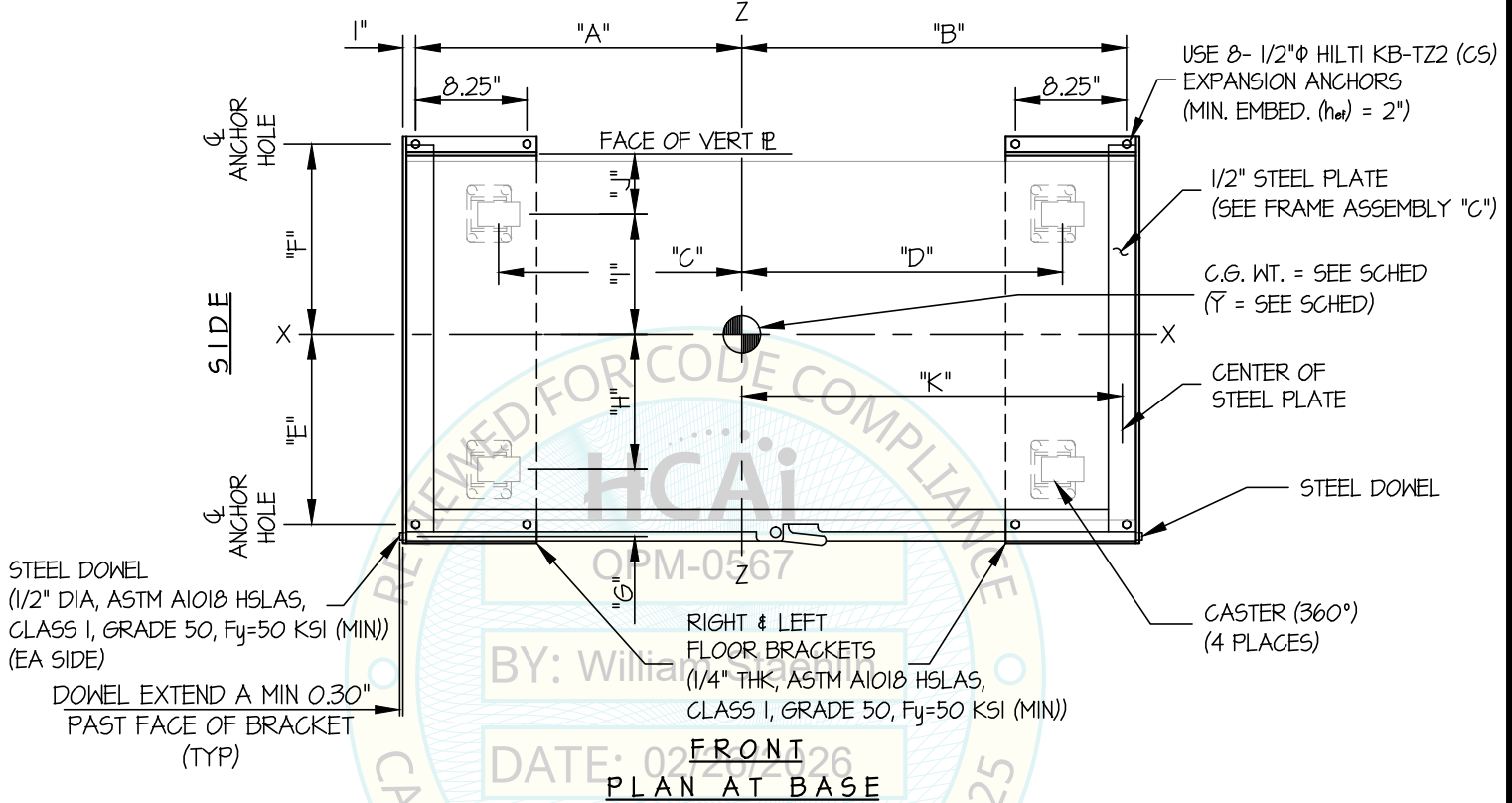
DATE **2/25/26**

OF **10** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

Sds ≤ 1.10

CONCRETE SLAB AT OR BELOW GRADE



UNIT NUMBER	WEIGHT (lb.)	ȳ (in.)	"A" (in.)	"B" (in.)	"C" (in.)	"D" (in.)	"E" (in.)	"F" (in.)	"G" (in.)	"H" (in.)	"I" (in.)	"J" (in.)	"K" (in.)	Tu (lb.) <sup>++</sup>	Vu (lb.) <sup>++</sup>
CII SAFE ES	1560	34.6	23.04	28.71	17.22	22.88	11.47	15.03	5.66	8.35	9.79	2.77	27.19	1219	569
CII SAFE ES V9	1636	38.0	26.06	24.44	20.86	19.24	11.16	15.34	5.66	8.04	10.11	2.77	23.55	1360	586

\* LOADS BASED ON PRESCRIPTION STORAGE

<sup>++</sup> (VALUES INCLUDE Ω<sub>op</sub>)

*Jonathan Roberson*

REGISTERED PROFESSIONAL ENGINEER  
 JONATHAN ROBERSON  
 No. 4197  
 EXP. 6-30-2026  
 2/25/26  
 STRUCTURAL  
 STATE OF CALIFORNIA

**BD**

DES. **J. ROBERSON**

SHEET

**5**

### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

JOB NO. **11-2511**

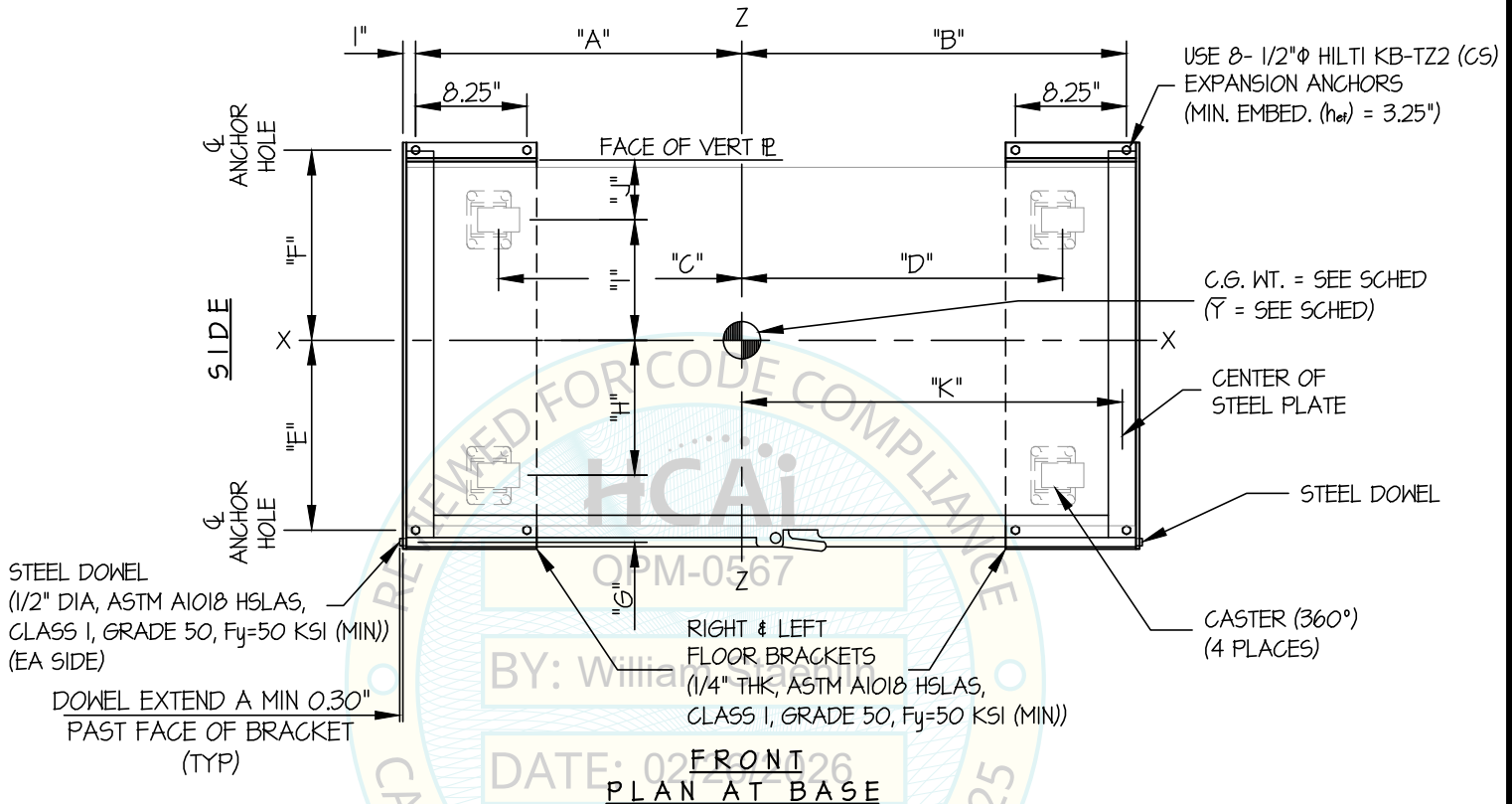
DATE **2/25/26**

OF **10** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

$Sps \leq 1.60$

CONCRETE SLAB AT OR BELOW GRADE



UNIT NUMBER	WEIGHT (lb.)	$\bar{Y}$ (in.)	"A" (in.)	"B" (in.)	"C" (in.)	"D" (in.)	"E" (in.)	"F" (in.)	"G" (in.)	"H" (in.)	"I" (in.)	"J" (in.)	"K" (in.)	++ Tu (lb.)	++ Vu (lb.)
CII SAFE ES	1560	34.6	23.04	28.71	17.22	22.88	11.47	15.03	5.66	8.35	9.79	2.77	27.58	1999	827
CII SAFE ES V9	1636	38.0	26.06	24.44	20.86	19.24	11.16	15.34	5.66	8.04	10.11	2.77	23.55	2203	852

\* LOADS BASED ON PRESCRIPTION STORAGE

++ (VALUES INCLUDE  $\Omega_{cp}$ )



**BD**

DES. **J. ROBERSON**

SHEET

**6**

### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

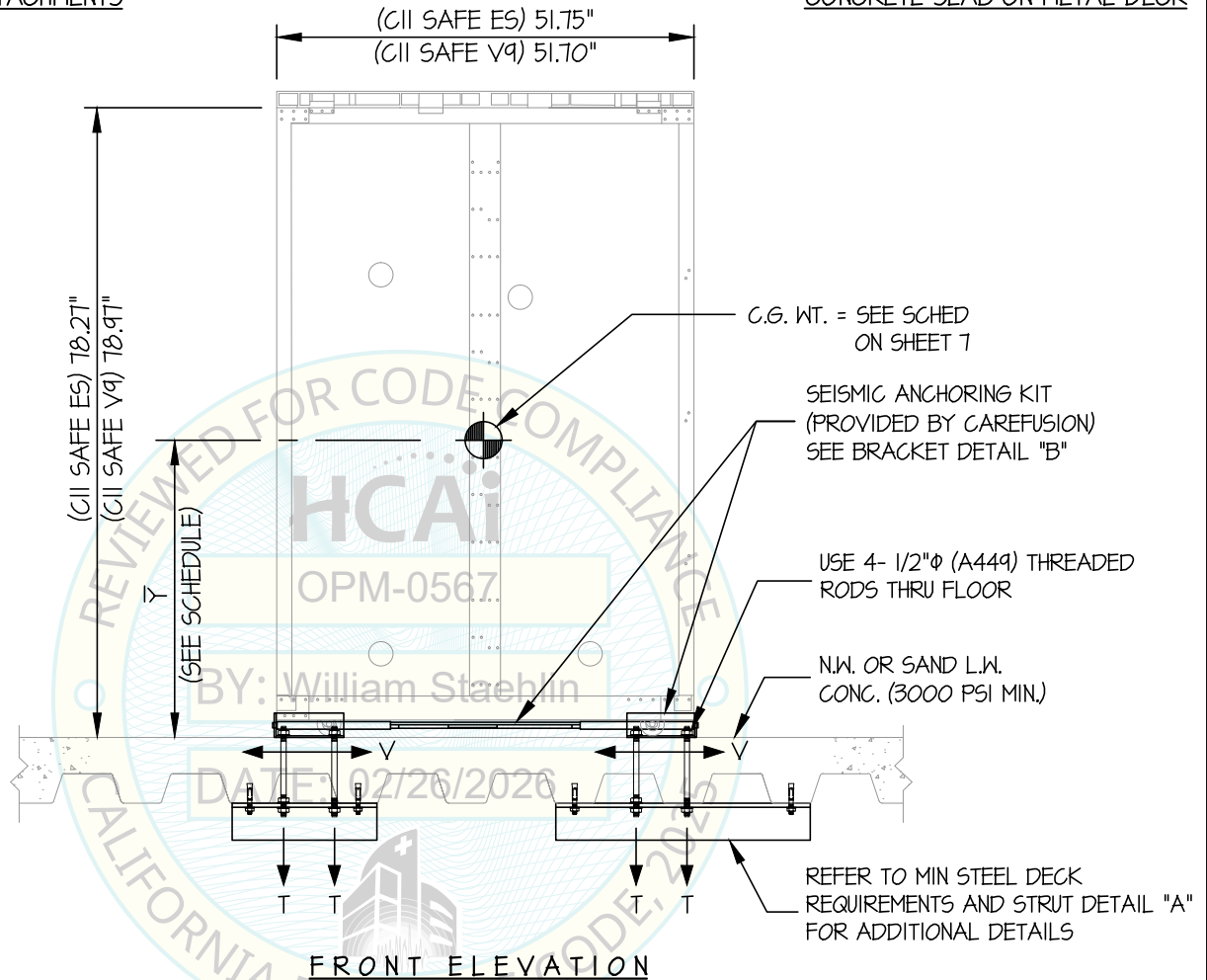
JOB NO. **11-2511**

DATE **2/25/26**

OF **10** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



**NOTES:**

- FORCES ARE DETERMINED PER 2025 CALIFORNIA BUILDING CODE AND ASCE 7-22. STRENGTH DESIGN IS USED. (EXAMPLE:  $S_{ds}=2.50$ ,  $I_p=15$ ,  $CAR=1.0$ ,  $R_{po}=1.5$ ,  $\Omega_{cp}=1.5$ ,  $R_{UJ}=1.3$ ,  $H_f=3.375$ ,  $z/h=0.95$ )
 

HORIZONTAL FORCE ( $E_h$ )	= 2.60	$W_p$
HORIZONTAL FORCE ( $E_{rn}$ )	= 5.20	$W_p$ (FOR CONCRETE ANCHORAGE)
VERTICAL FORCE ( $E_v$ )	= 0.50	$W_p$
- THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL C.G. POSITIONS NOT EXCEEDING 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



**BD**

DES. **J. ROBERSON**

SHEET

**7**

### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

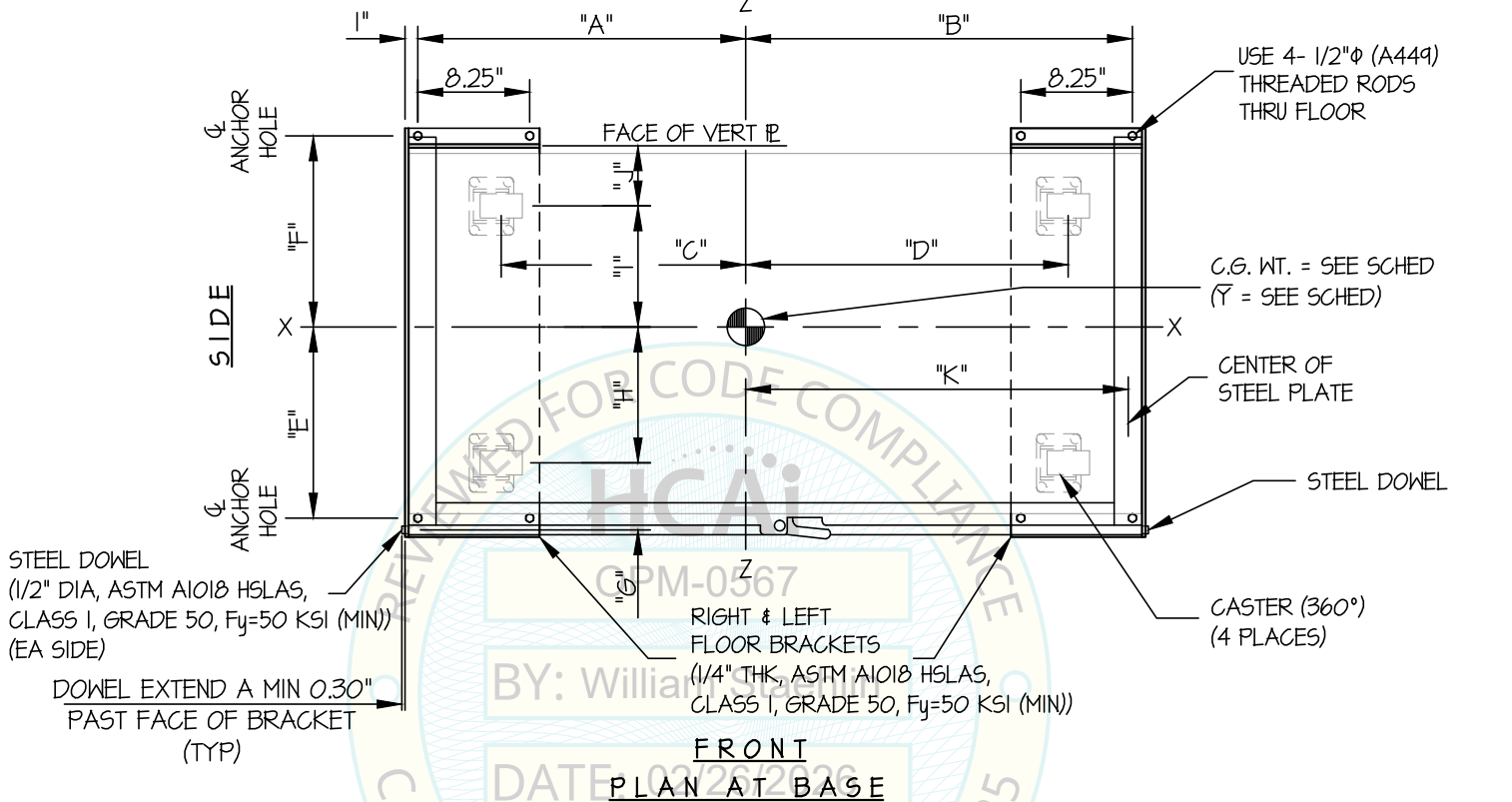
JOB NO. **11-2511**

DATE **2/25/26**

OF **10** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



UNIT NUMBER	WEIGHT (lb.)	ȳ (in.)	"A" (in.)	"B" (in.)	"C" (in.)	"D" (in.)	"E" (in.)	"F" (in.)	"G" (in.)	"H" (in.)	"I" (in.)	"J" (in.)	"K" (in.)	++ Tu (lb.)	++ Vu (lb.)
CII SAFE ES	1560	34.6	23.04	28.71	17.22	22.88	11.47	15.03	5.66	8.35	9.79	2.77	27.58	3626	1432
CII SAFE ES V9	1636	38.0	26.06	24.44	20.86	19.24	11.16	15.34	5.66	8.04	10.11	2.77	23.55	4333	1538

\* LOADS BASED ON PRESCRIPTION STORAGE

++ (VALUES DO NOT INCLUDE Ω<sub>op</sub>)



**BD**

DES. **J. ROBERSON**

SHEET

**8**

### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

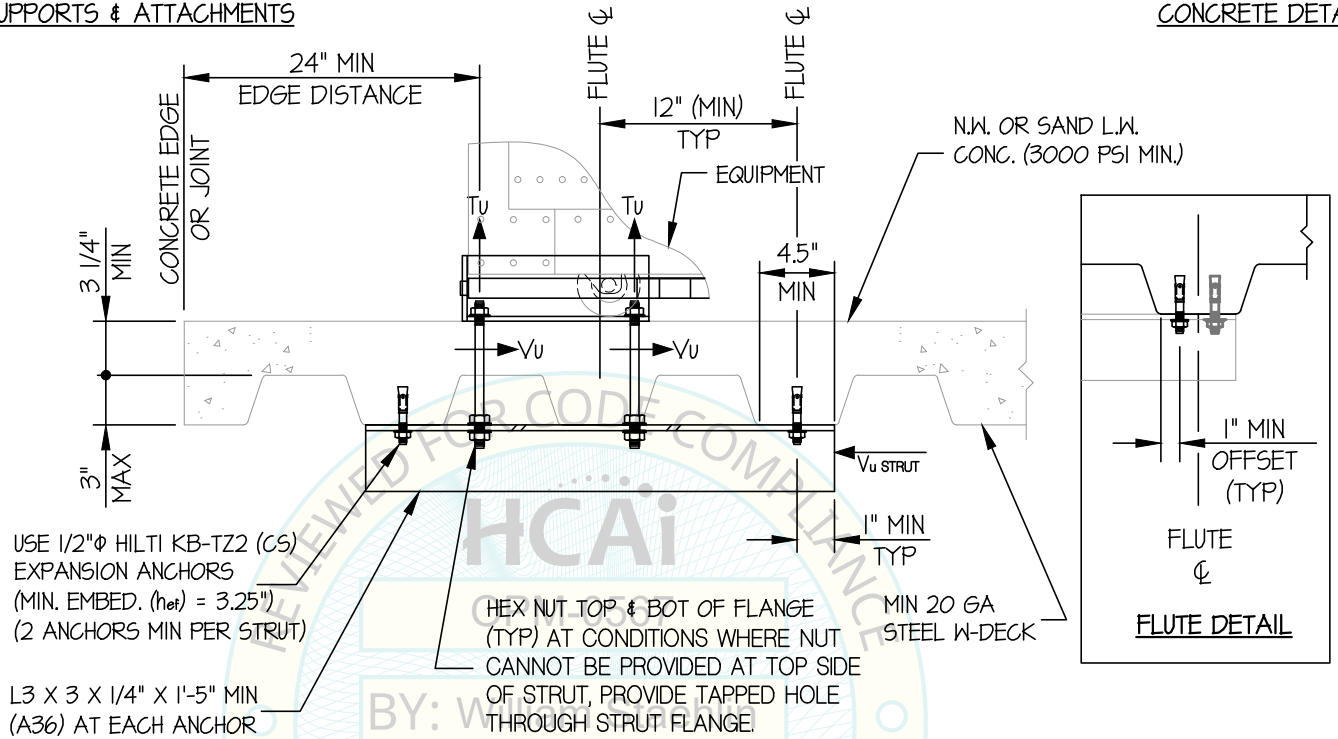
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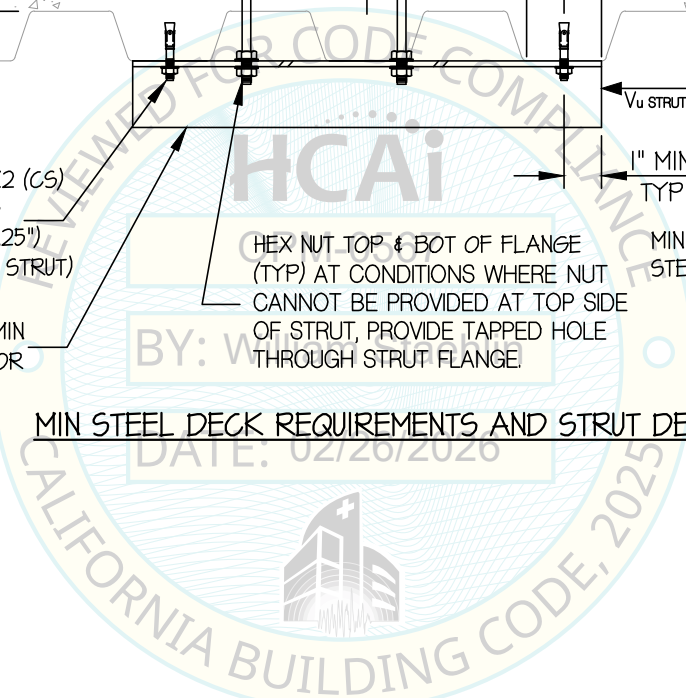
OF **10** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE DETAIL



MIN STEEL DECK REQUIREMENTS AND STRUT DETAIL (A)



*Jonathan Roberson*

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EXP. 6-30-2026  
2/25/26  
STRUCTURAL  
STATE OF CALIFORNIA

**BD**

DES. **J. ROBERSON**

SHEET

**9**

JOB NO. **11-2511**

### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

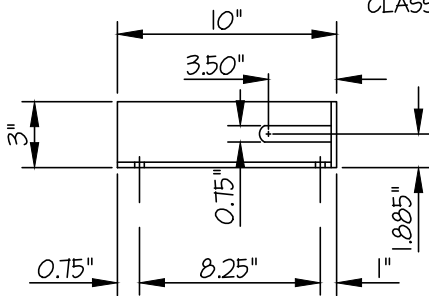
DATE **2/25/26**

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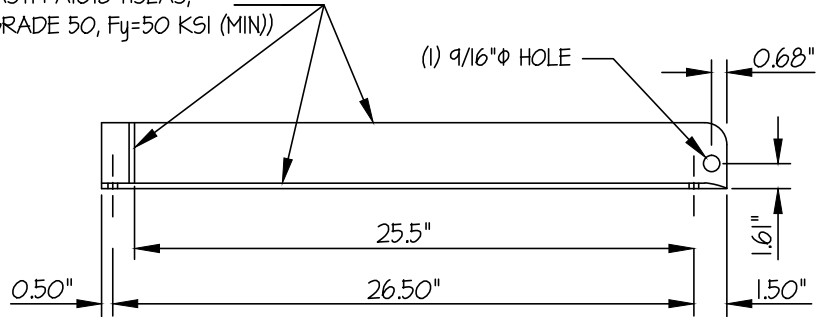
SEISMIC SUPPORTS & ATTACHMENTS

FLOOR BRACKETS  
(1/4" THK, ASTM A1018 HSLAS,  
CLASS I, GRADE 50, F<sub>y</sub>=50 KSI (MIN))

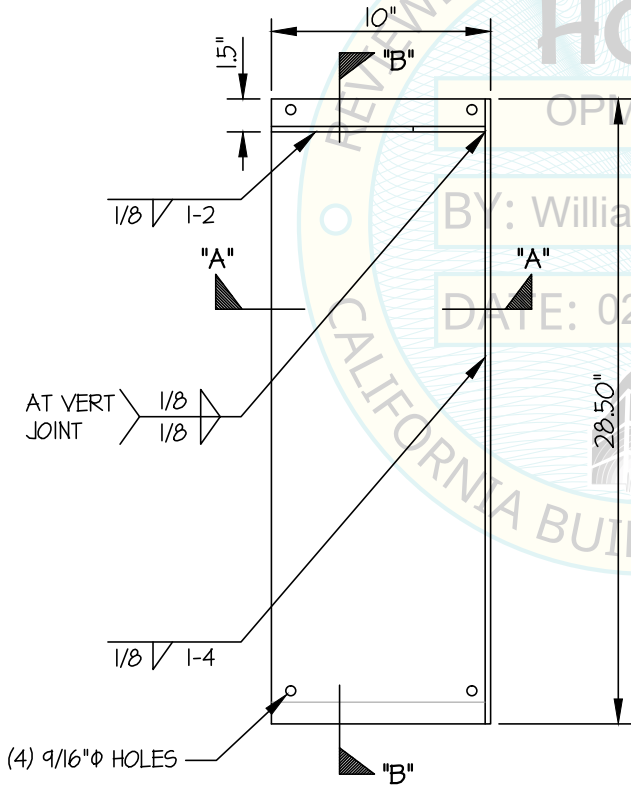
BASE DETAIL



SECTION A-A



SECTION B-B



PLAN

(RIGHT FLOOR BRACKET SHOWN)

NOTE: THE SEISMIC ANCHORING KIT CONSISTS OF TWO FLOOR BRACKETS, A RIGHT FLOOR BRACKET AND A LEFT FLOOR BRACKET (SHOWN HERE) AND FRAME ASSEMBLY (SEE SHEET 8 OF 8) (TYP)

BRACKET DETAIL (B)



**BD**

DES. **J. ROBERSON**

SHEET

**10**

JOB NO. **11-2511**

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OF **10** SHEETS

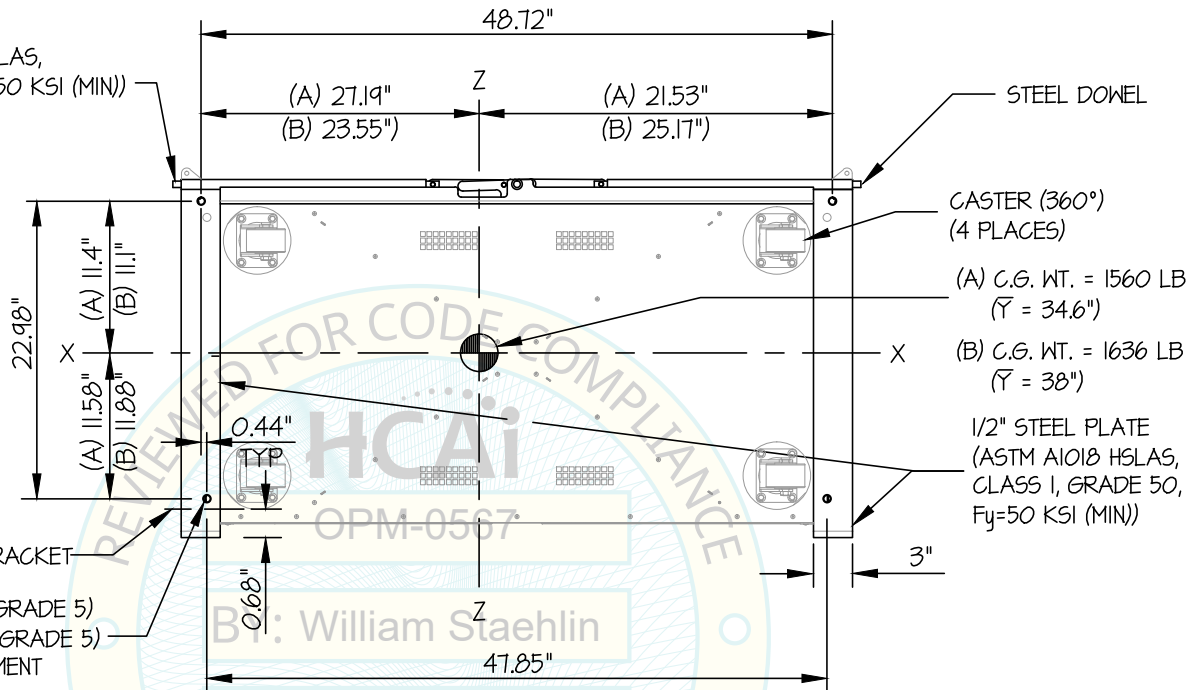
### CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS

SEISMIC SUPPORTS & ATTACHMENTS

BASE DETAIL

FRONT

STEEL DOWEL  
(1/2" DIA, ASTM A1018 HSLAS,  
CLASS I, GRADE 50, F<sub>y</sub>=50 KSI (MIN))  
(EA SIDE)



STEEL DOWEL

CASTER (360°)  
(4 PLACES)

(A) C.G. WT. = 1560 LB  
( $\bar{Y}$  = 34.6")

(B) C.G. WT. = 1636 LB  
( $\bar{Y}$  = 38")

1/2" STEEL PLATE  
(ASTM A1018 HSLAS,  
CLASS I, GRADE 50,  
F<sub>y</sub>=50 KSI (MIN))

FRONT FACE OF BRACKET

(4)- 1/2"φ CAP SCREWS (GRADE 5)  
W/ SPLIT LOCK WASHER (GRADE 5)  
& FULL THREAD ENGAGEMENT  
INSIDE UNIT

BACK

FRAME ASSEMBLY (C)

DIMENSIONS:

- (A) CII SAFE ES
- (B) CII SAFE ES V9

NOTE: THE SEISMIC ANCHORING KIT CONSISTS OF TWO FLOOR BRACKETS, A RIGHT FLOOR BRACKET AND A LEFT FLOOR BRACKET (SEE SHEET 7 OF 8) AND FRAME ASSEMBLY (SHOWN ABOVE) (TYP)

REFLECTED PLAN AT FRAME ASSEMBLY

(FRAME ASSEMBLY SHOP ATTACHED TO UNDERSIDE OF UNIT BY MFG)

