

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0690

HCAI F	Preapproval	of Manufacturer's Certification (OPM)
Type:	X New	Renewal/Update

Manufacturer Information

Manufacturer: Chatsworth Products

Manufacturer's Technical Representative: Todd Schneider

Mailing Address: 4175 Guardian Street, Simi Valley, CA 93063

Telephone: (203) 969-4862

Email: TSchneider@chatsworth.com

Product Information

Product Name: ZetaFrame

Product Type: Instrumentation Cabinet

Product Model Number: ZA13-YYYYY-YY, ZB15-YYYYY-YY, ZC24-YYYYY-YY, ZAZB3313-YYYYY-YY, ZB41-YYYYY-YY, ZAZC4513-YYYYY-YY

)PM-0690

General Description: Telecommunication rack 00/18/202

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 Manager

II Ju "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 FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations

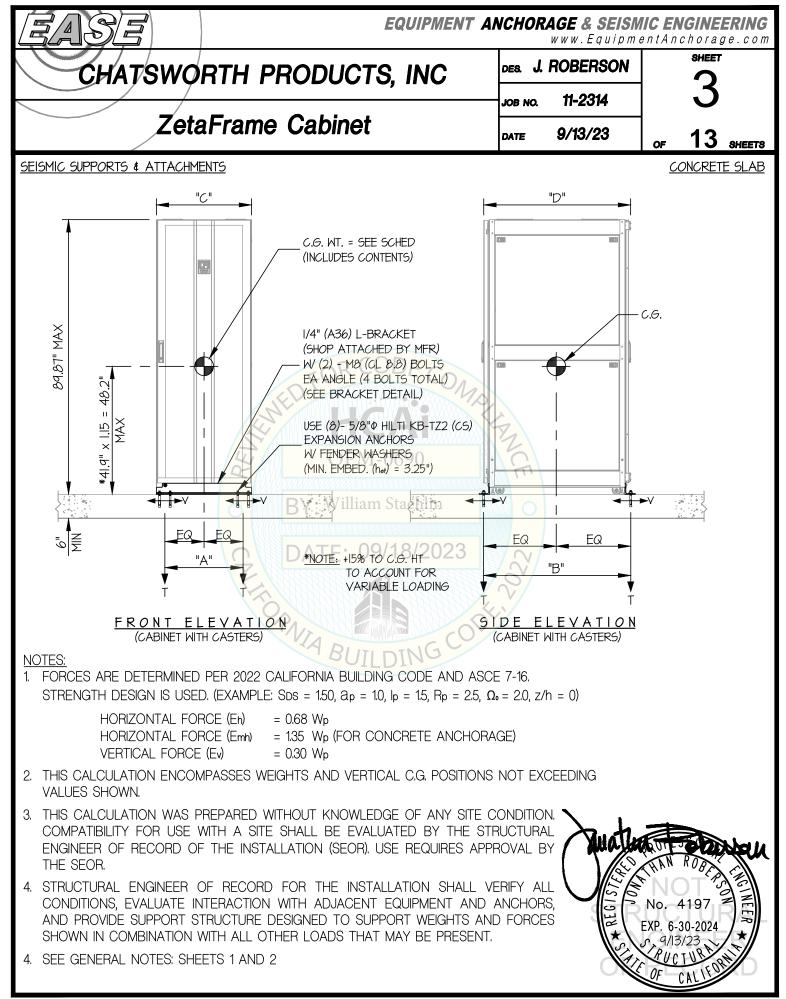
Name: Jonathan Roberson	California License Number: S4197						
Mailing Address: 5877 Pine Ave., Suite	210, Chino Hills, CA 91709						
Telephone: (951) 295-1892	Email: jon@EASECo.com						

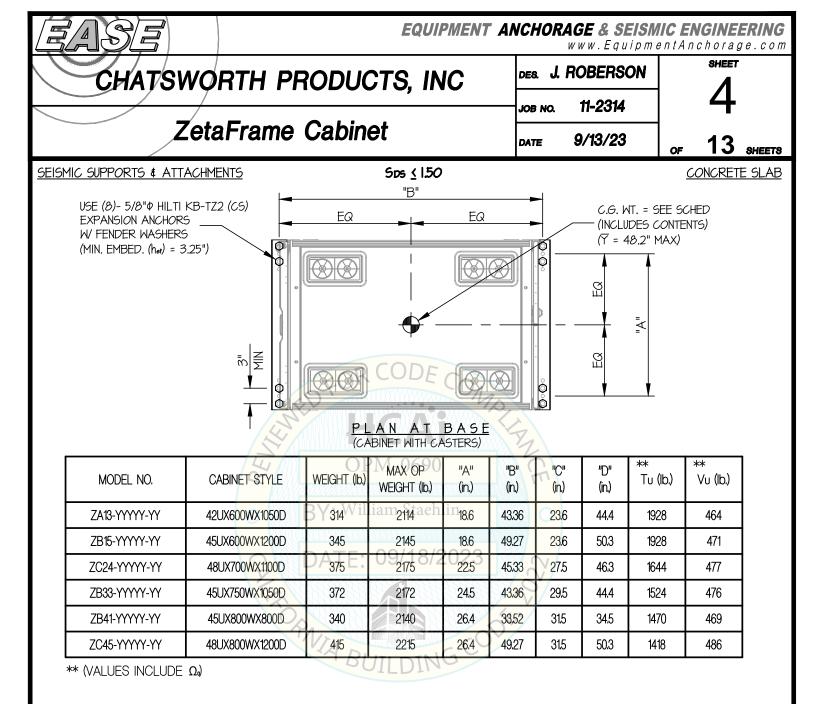
HCAI Special Seismic Certification Preapproval (OSP)									
Special Seismic Certification is preapproved under OSP OSP Number:									
FOR CODE CON									
Certification Method	ED	Mp							
Testing in accordance with:	S AC156 🛛 🗍 FM 1950-16								
Other(s) (Please Specify):	OPM-0690	12							
*Use 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.									
X Analysis									
Experience Data	DATE: 09/18/20	23							
Combination of Testing, Analysis, and/or Experience Data (Please Specify):									
CRN12 COSti									
HCAI Approval	BUILDING								
Date: 9/18/2023									
Name: William Staehlin		Fitle: Senior Structural Engineer							
Condition of Approval (if applicable):									

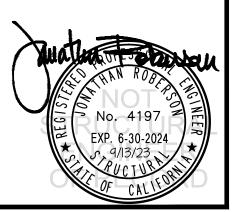


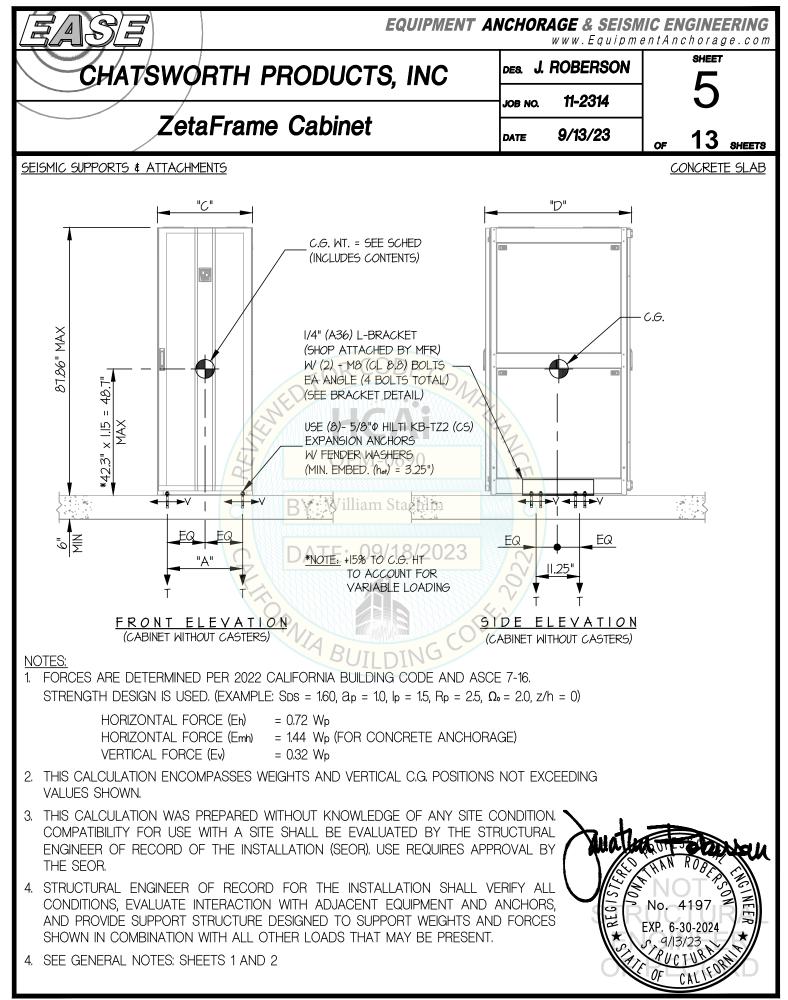
		EQUIRMENT ANCHORAGE BEASIMIC ENGINEERING The Department of Health Care Access and Information PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0690 THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622						
MA	NU	FACTURER: CHATSWORTH PRODUCTS, INC	Sheet: <u>1 of 13</u>						
EQ	UIP	MENT NAME: ZetaFrame Cabinet	Date: 9/13/23						
GE	NE	ERAL NOTES							
1.		IIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEM ESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC	ANDS						
2.	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 SDS IS NOT GREATER THAN 1.50,1.60, 1.80 & 2.00. SEE DETAIL FOR APPLICABILITY								
4.		DRCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,							
		HERE SDS = 1.50, $a_p = 1.0$, $I_p = 1.5$, $R_p = 2.5$, $z/h = 0$ AT CONCRETE SLAB, SEE FOLLOWING SHEETS FOR Ω_0 HERE SDS = 1.60, $a_p = 1.0$, $I_p = 1.5$, $R_p = 2.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0							
		HERE SDS = 1.00, $a_p = 1.0$, $l_p = 1.5$, $R_p = 2.5$, $z/h < 1$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 HERE SDS = 1.80, $a_p = 1.0$, $l_p = 1.5$, $R_p = 2.5$, $z/h < 1$ AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHI	EETS FOR Ω₀						
		HERE SDS = 2.00, a_p = 1.0, I_p = 1.5, R_p = 2.5, $z/h \le 1$ AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SH							
5.		IS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCT							
6.	AL	L DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENG	TH DESIGN.						
		DNCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING	i. (i.e. z/h <u><</u> 1)						
8.	СС	DNCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e. z/h = 0)							
9.	RE	ESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING							
	A.	PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL O	THER 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 SH PREAPPROVAL DOCUMENTS.	IOWN ON THE						
	C.	VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & Z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.							
	D.	VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT. AND THIS OPM.	THAN ROBERT						
	E.	VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB	No. 4197						
	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 6hef FROM THIS UNIT'S ANCHORS.	EXP. 6-30-2024 \$\$\sigma_{q/13/23}\$ \$\$PUCIVR OF CALLFORM						

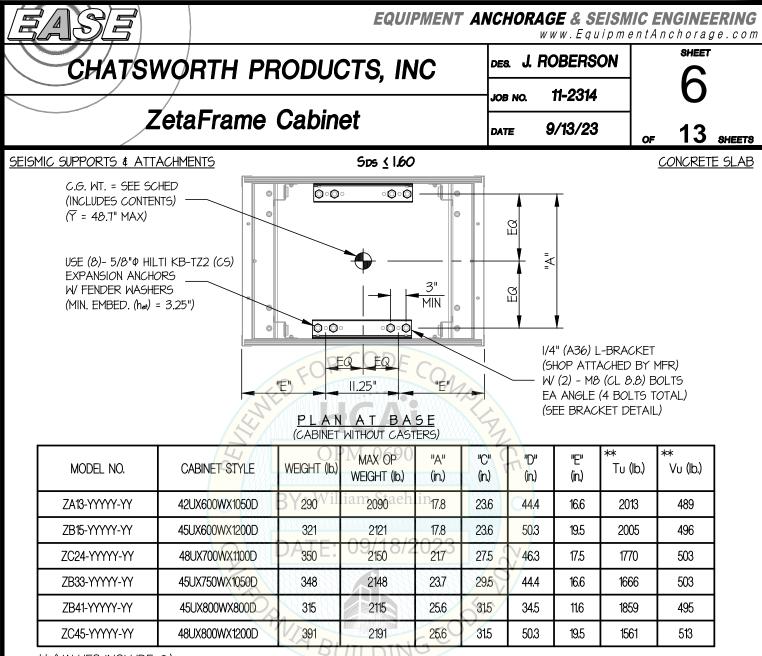
EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com														
CHATSWORTH PRODUCTS, INC					DES.	J. ROBER	OUEET							
	CHAISWORTH PRODUCTS, INC						JOB NO	јов no. 11-2314			2			
	ZetaFrame Cabinet								DATE	9/13/2	23	OF	13	SHEETS
10.	10. EXPANSION ANCHORS:													
	A. ATTACHMENT 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 Te Test	
		3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2"	6.75	12	See Detail "A"	30 FT-L	в	N/A	.
		5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	3.25"	3"	32"	6"	40 FT-L	в	2685	lb
	В.						ACENT							
					AWAY MINIMUM (i.e) DITIONAL MINIMUM	ć o		TE		0.0.1				
			STANCES.			ALLOWADLE	CONCRE	01.		- 32" (MIN)			<u>48"</u> (MIN)	
	С			IAL INSPE	ECTION OF EXPANSION	ON ANCHOR	S SHALL	M/			_			
	0.				OVED INDEPENDEN				4					
					OWNER PER CBC 1		A.5		32" (MIN)					
					S SHALL BE SENT TO		0600				_[_[•	-•		
					E ARCHITECT OR EN				A		ĺ	Ĭ		
			ISIBLE CHAF			William	Staehli	n	ds 🕜					
					S HAVE ELAPSED SIN	ICE INSTALL	ATION.							
					ST OR TORQUE TEST			123			_[•	<u>- •</u>		
			ANCHORS.			E. 03/	10/20	525			6D		60 L 611 0	
		(ii) ACCI	EPTANCE CF	RITERIA:					48" (MIN)		SP = 1	BOLI	SPACING	
		•	DIRECT TENS	SION TES	T: THE ANCHOR SHO	ULD HAVE N	0	HABDA.	4.					
					ENT AT THE TEST LO.			- () V) /					
					RVABLE MOVEMENT I	S THAT THE	WASHER			TYPICAL C				<u>-</u>
	BECOMES LOOSE. (SLAB ON GRADE ONLY)													
					PPLICABLE TORQUE I IS: WEDGE TYPE : 1/2			/ITHIN						
	(iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.													
	D.				TEEL REINFORCING I E EXPANSION ANCHO		E SLAB							
	E.	PROVIDE	E FOR FULL 1	THREAD E	NGAGEMENT OF NUT	& WASHER								
11.	BO	LTS THRC	OUGH CONCF	RETE ON I	METAL DECK					_				
	Α.				Y 3/4 TURN OF THE NU			i			h			
	TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS								Shar Ia					
	REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.									The				
	B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.													
Í	~	·										UIU	6-30-2024	
	Ċ.				TE SHALL RECEIVE SF ITH STEEL TO STEEL			IND			*		(13/23	\ `
			•		ENSION TESTING) IN A							(RU	CIUKEOP	
	REQUIREMENTS FOR POST-INSTALLED ANCHORS.													





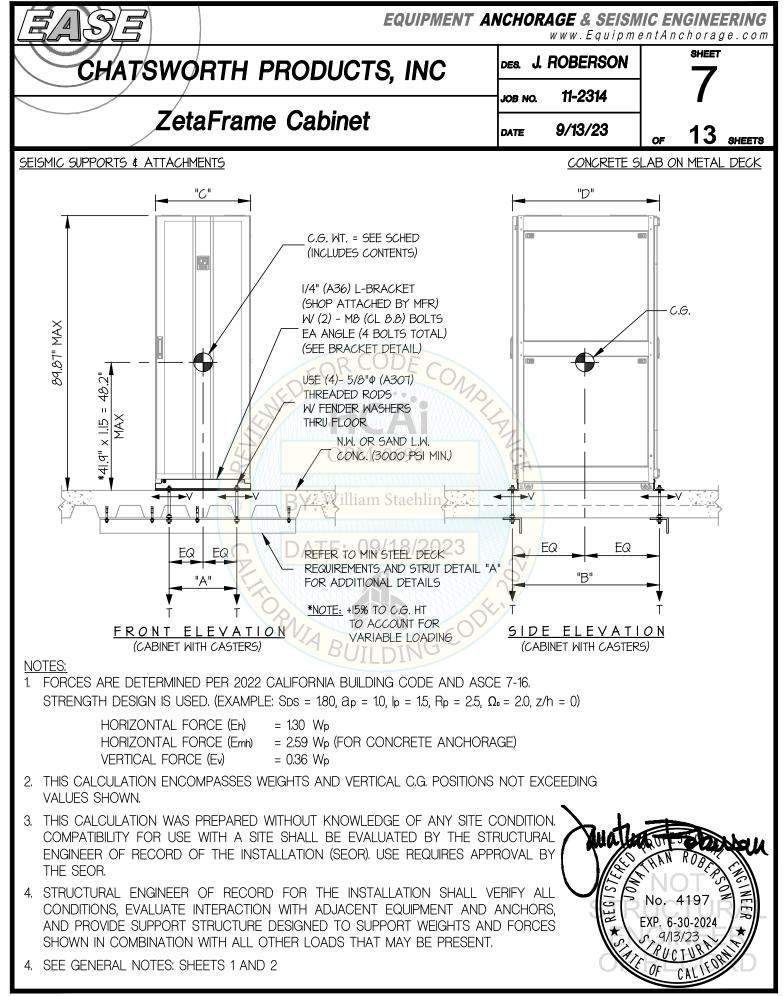


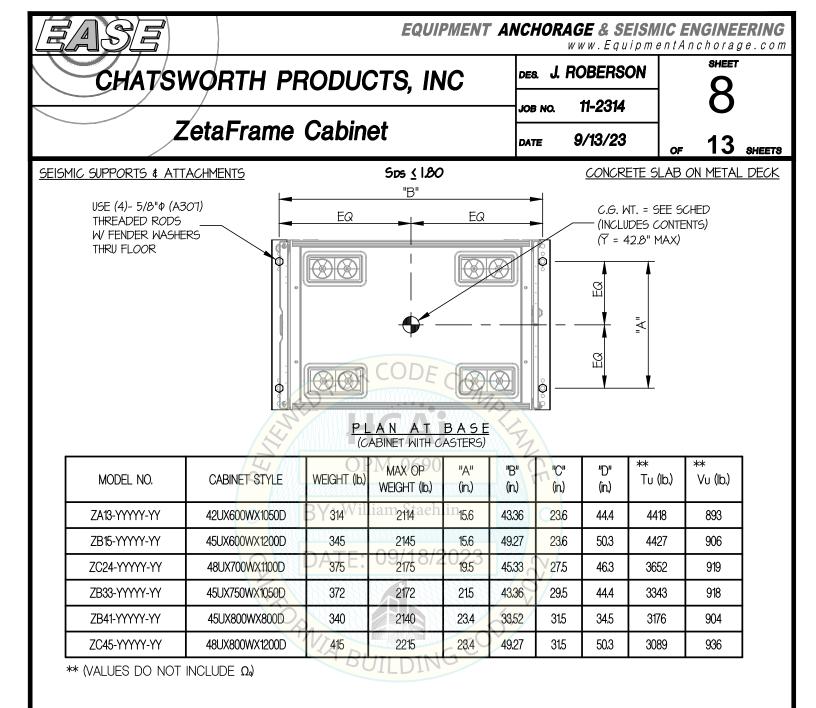


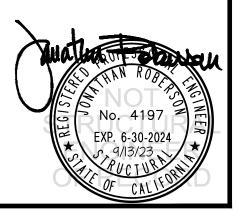


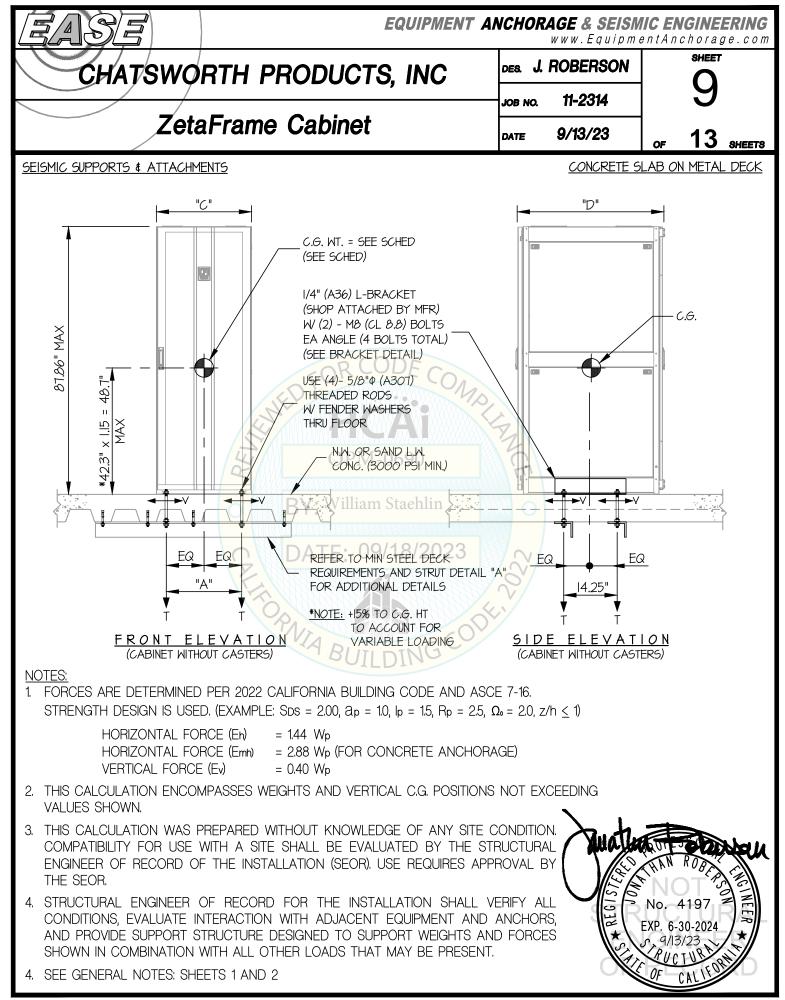
** (VALUES INCLUDE Ω)

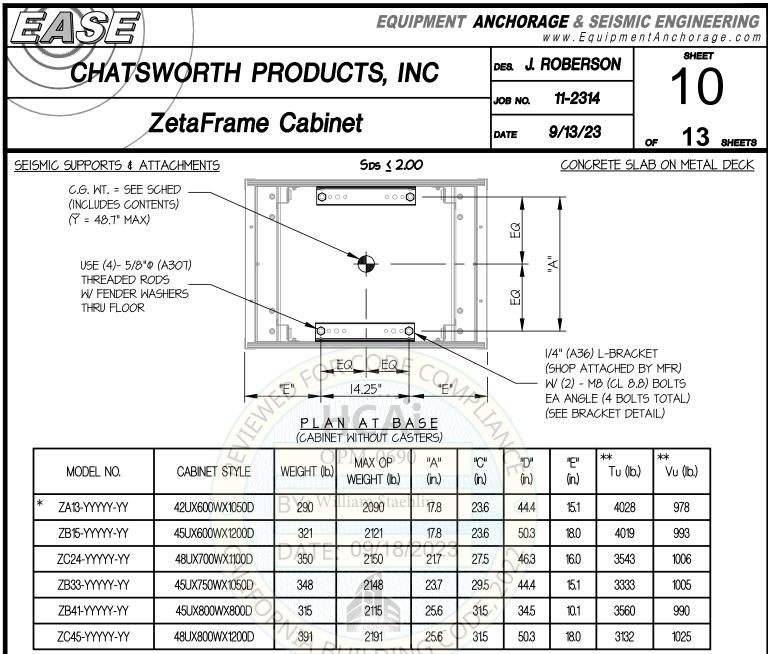








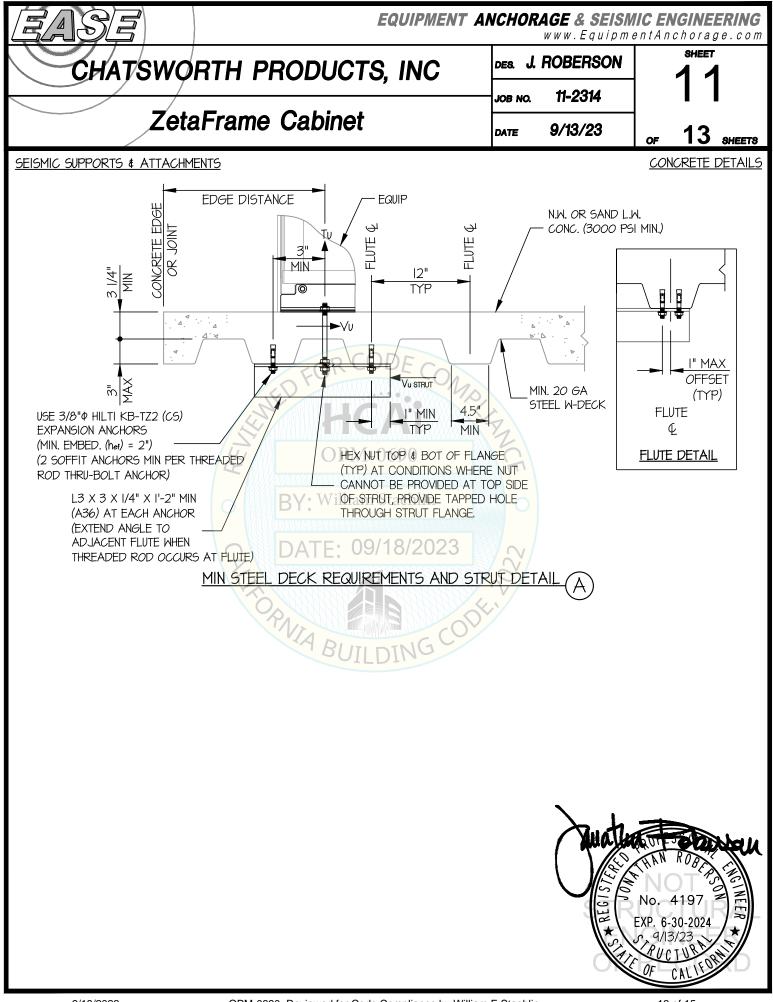


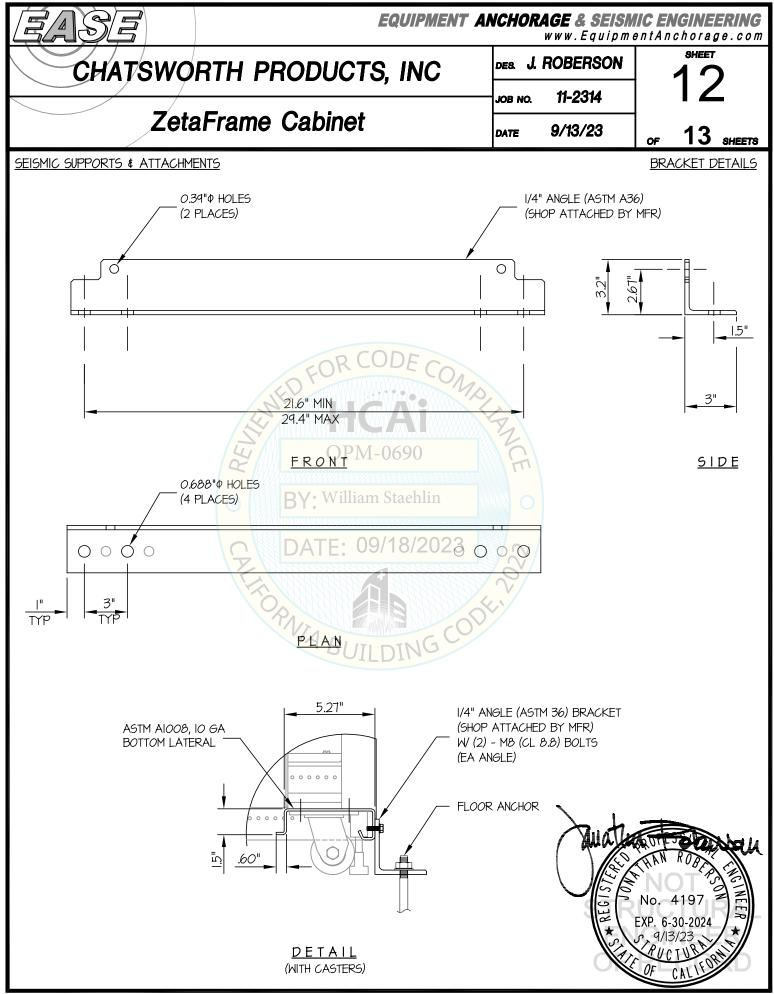


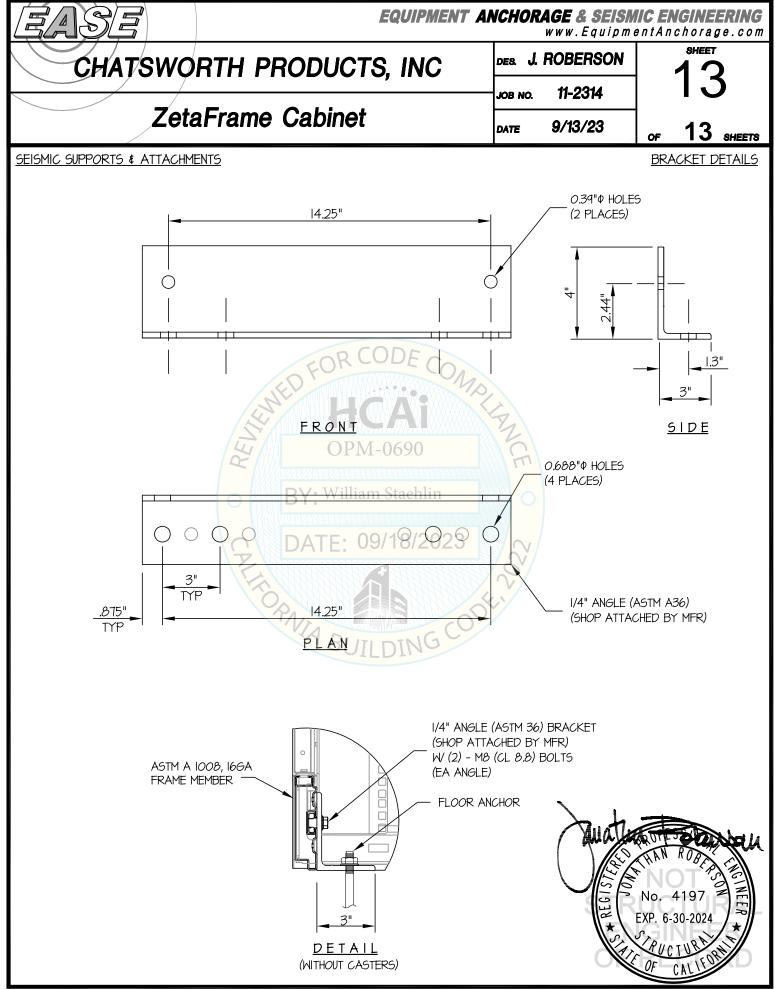
* THIS UNIT IS USED IN CALCULATION

** (VALUES DO NOT INCLUDE Ω_0)









OPM-0690: Reviewed for Code Compliance by William E Staehlin