

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-0536

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

Manufacturer Information

Manufacturer: Getinge USA

Manufacturer's Technical Representative: Adnan Shamun

Mailing Address: 1777 E. Henrietta Road, Rochester, NY 14623

Telephone: (123) 456-7890

Email: adnan.shamun@getinge.com

Product Information

Product Name: GSS610 Series Sterilizers

Product Type: Other Electrical and Mechanical Components

Product Model Number: GSS61010-2, GSS61014-12, GSS61015-2, GSS61021-2

General Description: Used for Sterilization of Hospital Tools and Equipment

Applicant Information

Applicant Compa	ny Name: EASE LLC.		
Contact Person:	Tiffany Tonn	'BU	ILDING
Mailing Address:	1515 FAIRVIEW AVE, STE 205,	MISSOL	JLA, MT 59801
Telephone: (406) 541-3273	Email:	tiffany@easeco.com

OPM-0536

Title: Office Manager

"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 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:					
EOR CODE COM					
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.					
X Analysis					
Experience Data					
Combination of Testing, Analysis, and/or Experience Data (Please Specify):					
OP/VIA CODE					
HCAI Approval					
Date: 5/16/2024					
Name: Jeffrey Kikumoto Title: Senior Structural Engineer					
Condition of Approval (if applicable):					



	EQUIRMENT ANCHORAGE & SEISMIC ENGINEERING The Department of Health Care Access and Information PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0536 THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622					
M	ANUFACTURER: GETINGE USA, INC.	Sheet: <u>1 of 12</u>					
EC	QUIPMENT NAME: GSS610 SERIES STERILIZERS	Date: 11/17/22					
GE	ENERAL 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 ABO SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.	VE FOR THE					
3.	THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER						
4.	THAN 0.50, 0.55, 0.60, 1.20, & 2.00. OPM-0536 FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,						
5.	WHERE SDS = 0.50, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 0.55, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 0.60, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 2.00, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 1.20, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h \le 1$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 1.20, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h \le 1$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 1.20, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h \le 1$ AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS F THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.						
6. 7.	 ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e. z/h < 1) 						
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 L 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 C PREAPPROVAL DOCUMENTS. 						
	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.	HAN ROBERT					
	E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).	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 S. 11/17/22 PUCIVE OF CALIFORN					



EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

www.EquipmentAnchorage.com

GETINGE USA, INC.

GSS610 SERIES STERILIZERS

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date 11/17/22	of 12 sheets

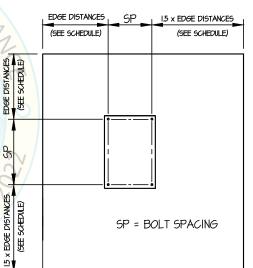
10. EXPANSION ANCHORS:

A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED

IN THE CORRESPONDING ICC REPORT.

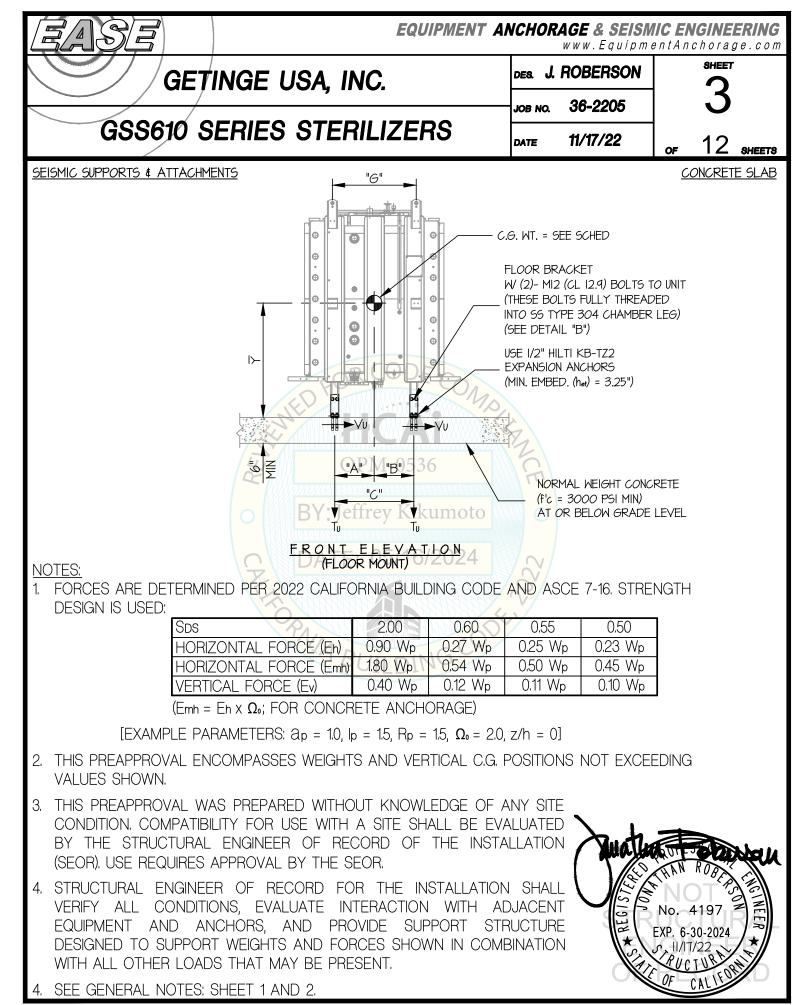
Anchor Diameter	Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Min. Embed	Min. Spacing	Min. Edge Dist	Min. Conc. Thickness	Torque Test	Direct Tension
5/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	4"	12"	48"	3.25" Over Flutes	40 FT-LB	N/A
1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2.5"	3"	24"	5"	50 FT-LB	1940 lb
1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	3-1/4"	2.75"	21"	6"	50 FT-LB	2131 lb
1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2 (CARBON STEEL)	ESR-4266	3-1/4"	3"	21"	6"	50 FT-LB	2174 lb

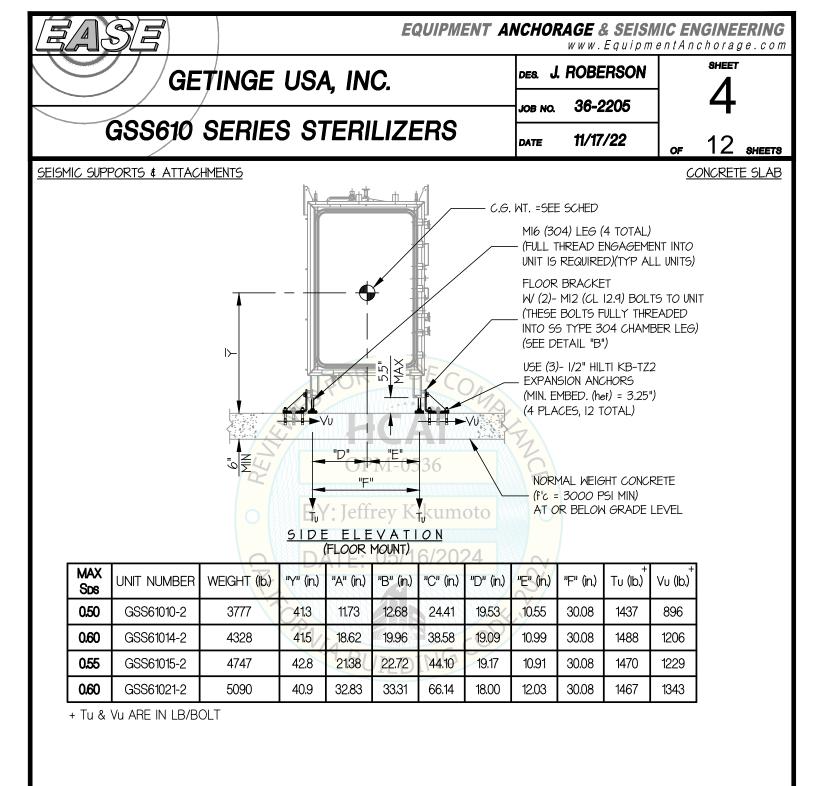
- B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 21" & 24" AWAY MINIMUM (i.e. - CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.
- C. TESTING AND SPECIAL INSPECTION OF EXPANSION ANCHORS SHALL 0536 BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACILITY OWNER PER CBC 1704A & 1910A.5 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR Y KIKUMOTO OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE.
 - AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, 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.



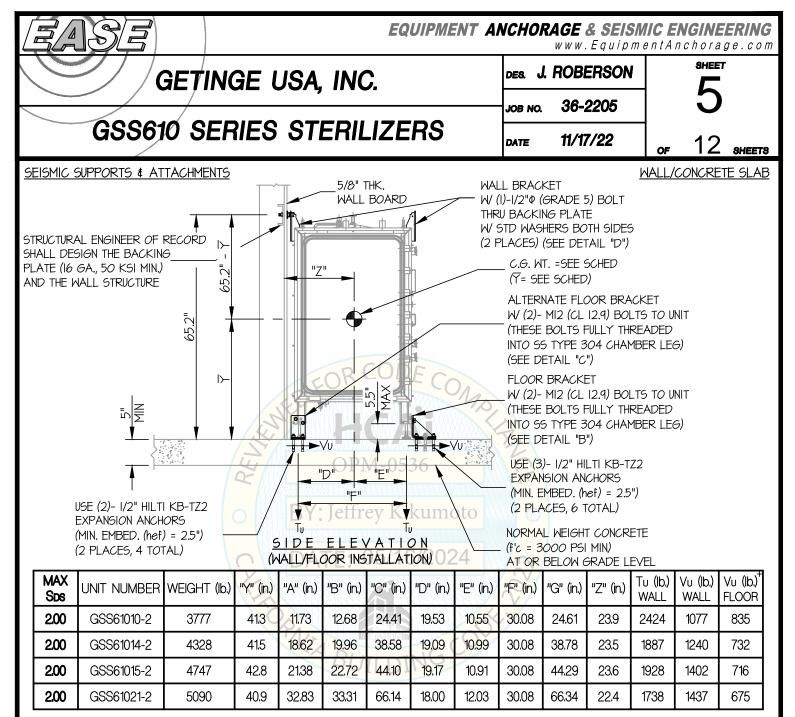
TYPICAL CONCRETE EDGE DETAIL (SLAB ON GRADE ONLY)





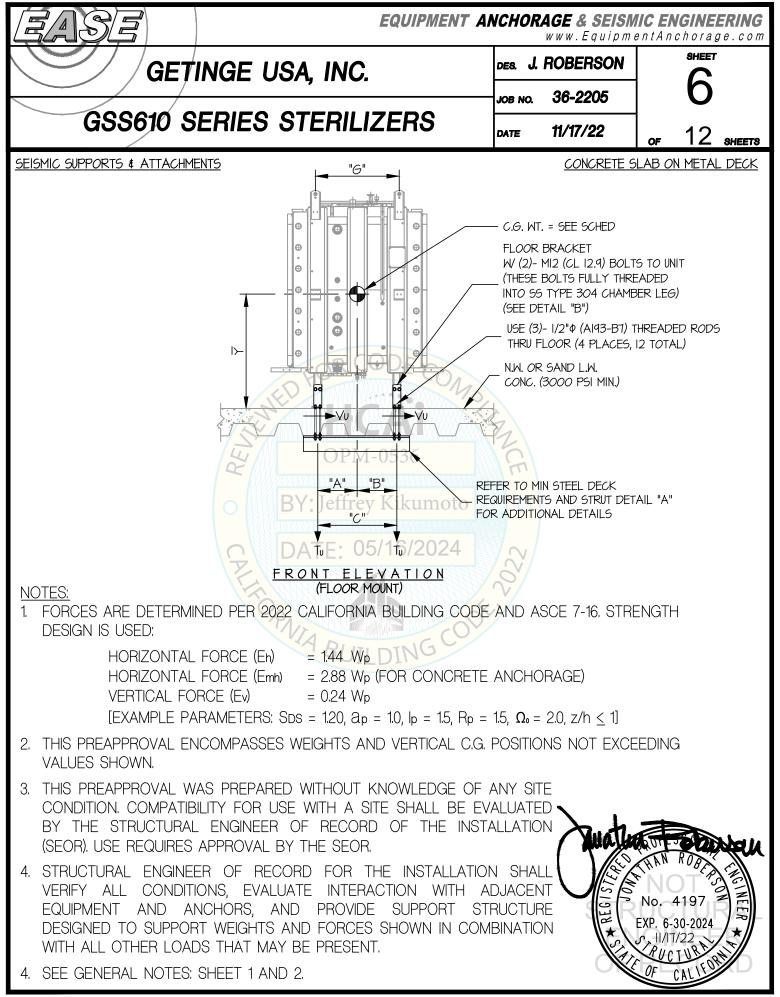


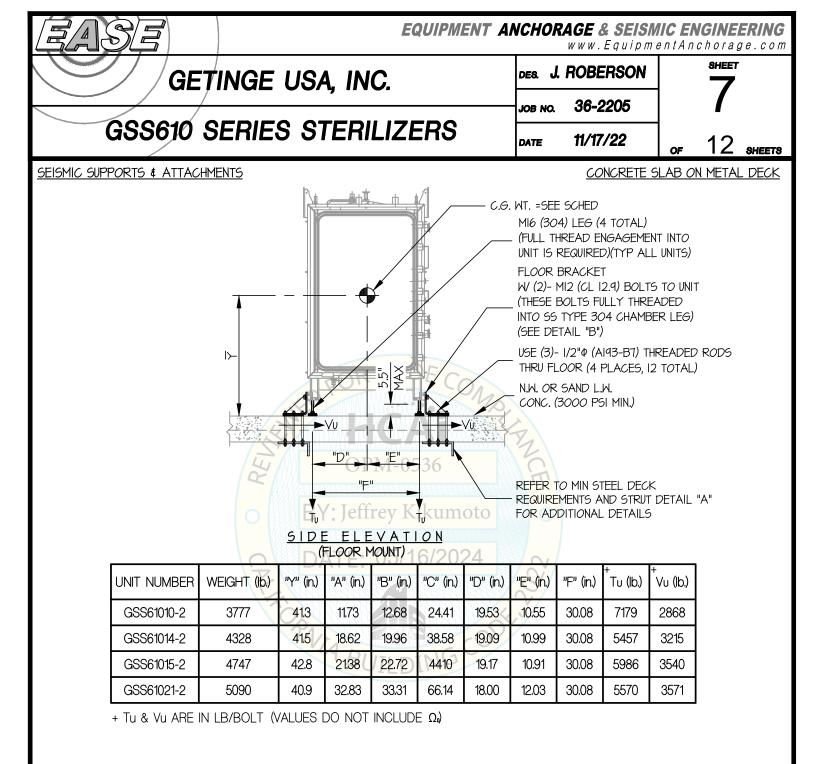




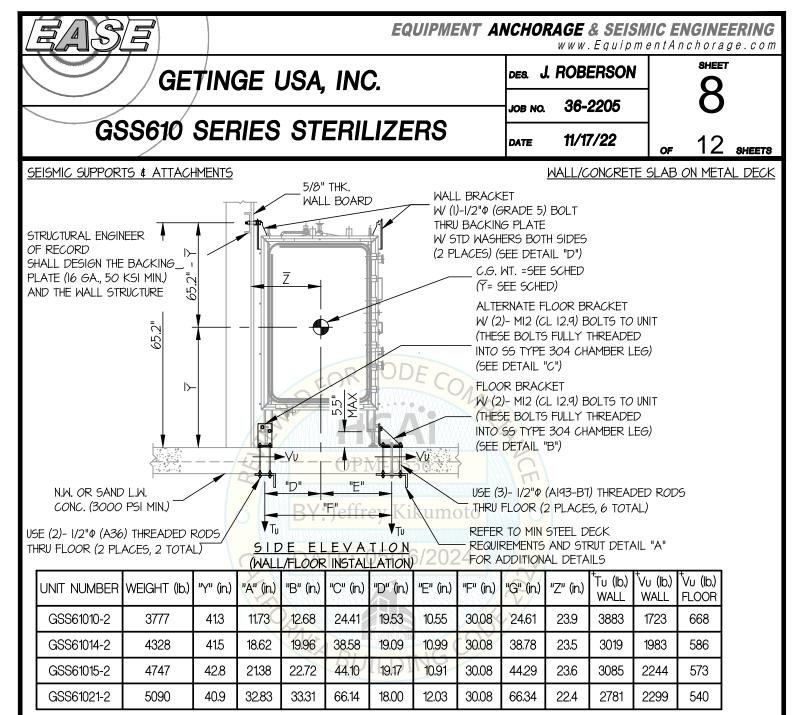
+ Vu IS IN LB/BOLT (VALUE INCLUDES Ω_0)











+ Tu & Vu ARE IN LB/BOLT (VALUES DO NOT INCLUDE Ω_0)



