

# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

#### APPLICATION FOR OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY

APPLICATION #: OPM-0536

<b>OSHPD Preapproval of Manufactu</b>	rer's Certification (OPM)
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Type: X New Renewal/Update

#### **Manufacturer Information**

Manufacturer: Getinge USA

Manufacturer's Technical Representative: Adnan Shamun

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

Telephone:(585) 272-5243Email: 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 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:

"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSHP



#### OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations						
Company Name: EASE						
Name: Jonathan Roberson	California License Number: S4197					
Mailing Address: 5877 Pine Ave., Suite 210, , Chino Hills, CA 91709						
Telephone: (909) - 606-7622 Email:	jon@EASECo.com					
OSHPD Special Seismic Certification Preapproval (OSP)						
Special Seismic Certification is preapproved under O	SP OSP Number:					
OB GODF						
Certification Method	COA					
Testing in accordance with: ICC-ES AC156	T FM 1950-16					

Other(s) (Please Specify):

\*Use of criteria other than those adopted by the California Building Standards Code, 2019 (CBSC 2019) 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 2019 may be used when approved by OSHPD prior to testing.

X Analysis		O DI. naeseong L					
Experien	nce Data	DATE: 11/24/20:		67			
Combination of Testing, Analysis, and/or Experience Data (Please Specify):							
OSHPD Ap	nroval	ORNIA BUILDIN	G COT	J <sup>ÉD</sup>			
	piovai	0 T T D T M					
Date: 11/24/	/2021						
Name: Ha	eseong Lim		Title:	Senior Structural Engineer			
Condition of A	Approval (if applicable):						

\*Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs\*
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-05366 THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CO	
MANUFACTURER: GETINGE USA, INC. EQUIPMENT NAME: GSS610 SERIES STERILIZERS	Sheet: <u>1 of 12</u> Date: 11/23/21
<ul> <li>GENERAL NOTES</li> <li>1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2019 CBC. THE DI (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2019 CBC.</li> <li>2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTI SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT</li> <li>3. THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN 0.55, 0.60, 0.65, &amp; 1.20.</li> <li>4. FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 &amp; 13.3-3, WHERE SDS = 0.55, <b>a</b><sub>p</sub> = 1.0, <b>i</b><sub>p</sub> = 1.5, <b>r</b><sub>p</sub> = 1.5, <b>r</b><sub>p</sub> = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω<sub>0</sub> WHERE SDS = 0.60, <b>a</b><sub>p</sub> = 1.0, <b>i</b><sub>p</sub> = 1.5, <b>r</b><sub>p</sub> = 1.5, <b>r</b><sub>h</sub> = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω<sub>0</sub> WHERE SDS = 0.65, <b>a</b><sub>p</sub> = 1.0, <b>i</b><sub>p</sub> = 1.5, <b>r</b><sub>p</sub> = 1.5, <b>r</b><sub>h</sub> = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω<sub>0</sub> WHERE SDS = 1.20, <b>a</b><sub>p</sub> = 1.0, <b>i</b><sub>p</sub> = 1.5, <b>r</b><sub>h</sub> =</li></ul>	ED ABOVE FOR THE NT. HEETS FOR Ω₀ TURE. STH DESIGN.
<ul> <li>9. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING</li> <li>A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OR</li> <li>B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SH PREAPPROVAL DOCUMENTS.</li> <li>C. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS &amp; <i>z</i>/h RESULT IN SEISMIC FORCES (En, Ev) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.</li> <li>D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT AND THIS OPM.</li> <li>E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).</li> <li>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.</li> </ul>	

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### EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

www.EquipmentAnchorage.com

## GETINGE USA, INC.

GSS610 SERIES STERILIZERS

des. J. ROBERSON					
јов no. 3 <b>6-1803</b>	2				
date 11/23/21	of 12 sheets				

#### 10. EXPANSION ANCHORS:

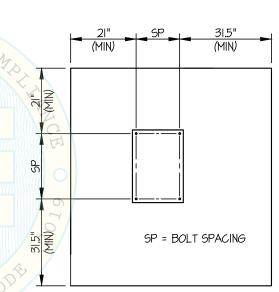
A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED

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	3-1/4"	2.75"	21"	6"	50 FT-LB	2131 lb
1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2	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" AWAY MINIMUM (i.e. - CORNER). CODE 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<sup>M</sup> - 0.5.3 G AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN BOONG Lim RESPONSIBLE CHARGE.
  - (i) 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)



