

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL	OFFICE USE ONLY
OF MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0316-13
OSHPD Preapproval of Manufacturer's Certification (OPM)	
Type: New Renewal Update to Pre-CBC 2013 O	PA Number:
Manufacturer Information	
Manufacturer: Getinge USA	
Manufacturer's Technical Representative: Anthony Powell	
Mailing Address: 1777 E. Henrietta Road, Rochester, NY. 14623	
Telephone: (585) 272-5243 Email: anthon	y.powell@getinge.com
Product Information	M.P.L
Product Name: 800 Series Steam Sterilizers	
Product Type: Other electrical and mechanical components	C E
Product Model Number: 42" & 76" BY: Jeffrey Y. Kikumo	oto
General Description: Steam Sterilizer used to sanitize medical instrum	nents, gow <mark>ns, e</mark> tc.
DATE: 01/31/2017	T _C
	₹¥
Applicant Information	CODE '
Applicant Company Name: EASE Co.	
Contact Person: Jonathan Roberson, S.E.	
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709	
Telephone: (909) 606-7622 Email: J.Robe	rson@EASECo.com
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016.	Planning and Development review fees in
Signature of Applicant:	Date: 2/17/16
Title: Principal Engineer Company Name: EASE	Со.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-700 (REV 12/16/15)	Page 1 of 2



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professional Preparing Engineering Recommendations								
Company Name:EASE Co.								
Name: Jonathan Roberson, S.E. California License Number: S4197								
Mailing Address: _ 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709								
Telephone: 909-606-7622 Email: J.Roberson@EASECo.com								
OSHPD Special Seismic Certification Preapproval (OSP)								
 Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required) Special Seismic Certification is not preapproved 								
Certification Method(s)								
Testing in accordance with: Other*								
 *Use of criteria other than those adopted by the California Building Standards Code, 2016 (CBSC 2016) 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 2016 may be used when approved by OSHPD prior to testing. Analysis DATE: 01/31/2017 Experience Data Combination of Testing, Analysis, and/or Experience Data (Please Specify): 								
List of Attachments Supporting the Manufacturer's Certification								
□ Test Report ☑ Drawings ☑ Calculations □ Manufacturer's Catalog □ Other(s) (Please Specify):								
OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2016 & ALL PRE-2016 CODE BASED PROJECTS								
Signature:								
Condition of Approval (if applicable):								
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" TATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY DSH-FD-700 (REV 12/16/15) Page 2 of 2								

EQUIRMENT ANCHORAGE EQUIRMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0316-13 THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING COD	
MANUFACTURER: GETINGE USA, INC.	Sheet: 1 of 9
EQUIPMENT NAME: 800 SERIES STEAM STERILIZER	Date: 1/30/17
 GENERAL NOTES 1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC. TH (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC. 2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER L SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CON 3. THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER 1.15, 1.25, 1.40, 1.45, & 1.75 SEE DETAIL FOR APPLICABILITY 4. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE SDS = 1.40, 175, a_P = 1.0, l_P = 1.5, z/h = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FO WHERE SDS = 1.45 a_P = 1.0, l_P = 1.5, R_P = 1.5, z/h ≤ 0.70 AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING WHERE SDS = 1.25, 1.15, a_P = 1.0, l_P = 1.5, z/h ≤ 1.4T CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS FOR Ω. 5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STR 6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STR 7. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT THIS ELEVATION IN THE BUILD 8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION AT OR BELOW GRADE. (i.e. z/h 	ISTED ABOVE FOR THE ISENT. THAN R Ω_0 . NG SHEETS FOR Ω_0 RUCTURE. ENGTH DESIGN. DING. (i.e. z/h ≤ 0.7)
9. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING	
 A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO A B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION 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.	all the state of t
D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR ON THIS OPM.	THAN ROBAL
E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).	EXP. 6-30-2018
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.	OF CALIFORNIE

	EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com												
GETINGE USA, INC.							DE8.	DES. J. ROBERSON					
800 SERIES STEAM STERILIZER								JOB	JOB NO. 36-1504 Z				
V	ES		- /		V X 62"H				" L DATE	= 1/30)/17	of 9 she	ET8
10.	10. EXPANSION ANCHORS:												
	Α.		MENT IS TO ORRESPONI		e with the and Report.	HORS LIST	ED BELO	W AND IN	ISTALLED	AS DESCRIE	BED		
		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 TZ	ESR-1917	-	-	-	See Sheet 8 of 9	40 FT-LB	1186 lb	
		3/4"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3-3/4"	12"	27"	6"	110 FT-LB	4120 lb	
		3/4"	Normal Weight	3000	Hilti Kwik Bolt TZ		4-3/4"	18"	21"	8"	110 FT-LB	5874 lb	
	Β.	CONCRE	ETE SLAB ED	GES, 21"	FOR UP TO A MAX OR 27" (SEE SCHE	EDULE) AWA	UUL	H'		EDGE DIS	TANCES SP	1.5 x EDGE DISTANCES	4
			,		NT DETAIL FOR AD				MAS	(SEE SCH	EDULE)	(SEE SCHEDULE)	
					ETE EDGE DISTA		/ p	d	×a⊥	9			1
	C. TESTING OF EXPANSION ANCHORS PER 2016 CBC, 1910A.5: TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL 13 INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO OSHPD												
		DIRE			RS HAVE ELAPSEL	EST AT LEA	ST 50% O	F		0 9	 		
(ii) ACCEPTANCE CRITERIA:													
(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 AN	NY ANCHOR I	FAILS, TE	ST ALL ANCHORS								
	D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.												
	E.	PROVIDE	E FOR FULL 1	THREAD E	ENGAGEMENT OF	NUT & WASI	HER.						
11.	BOL	IS THROU	GH CONCRE	TE ON MI	ETAL DECK								
	A.	tight (t Requiri	THE SNUG-TI	GHT CON THE CO	Y 3/4 TURN OF TH DITION IS DEFINE NNECTED PLIES II .ESS OTHERWISE	D AS THE TI NTO FIRM CO	GHTNESS			$\left\langle \right\rangle$	Juatha	HAN ROB	u
	B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.									INFF			
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.								XP. 6-30-2018 1/30/17 PUCTUBL OF CALLEOR					













