

APPLICATION FOR OSHPD PREAPPROVAL OFFICE USE ONLY									
OF MANUFACTURER'S CERTIFICATION (OPM) APPLICATION #: OPM-0317-13									
OSUDD Breensword of Monufactures's Contification (ODM)									
OSHPD Preapproval of Manufacturer's Certification (OPM)									
Type: New Renewal Update to Pre-CBC 2013 OPA Number: 									
Manufacturer Information									
Manufacturer: Getinge USA									
Manufacturer's Technical Representative: Mike Cain									
Mailing Address: 1777 E. Henrietta Road, Rochester, NY. 14623									
Telephone: (585) 272-5119									
Product Information									
Product Name: Model 8666, 8668 & 8668T Washer Disinfector									
Product Type: Other electrical and mechanical components-13									
Product Model Number: 8666, 8668 & 8668 T									
General Description: Cleans, disinfects and dries medical instruments, glassware etc.									
DATE: 05/09/2019									
Fill Fill									
Applicant Information									
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.Roberson@EASECo.com									
I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in									
accordance with the California Administrative Code, 2013.									
Signature of Applicant: Date: 6/28/18									
Title: Principal Engineer Company Name: EASE Co.									
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"									
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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: 909-606-7667 Email: <u>J.Roberson@EASECo.com</u>								
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: ICC-ES AC156 FM 1950-10 Other* (Please Specify): 								
E OSTOD E								
 *Use of test criteria other than those adopted by the California Building Standards Code, 2013 (CBSC 2013) 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 2013 may be used when approved by OSHPD prior to testing. Analysis 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 2013 ONLY								
Signature: Signature: 5/9/2019								
Print Name: Sonia Eliseo								
Title: <u>SE</u>								
Condition of Approval (if applicable):								
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"								

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	FQUIRMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION									
/	OPM-0317-13 THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE									
	ANUFACTURER: GETINGE USA, INC. QUIPMENT NAME: MODEL 8666, 8668 & 8668T WASHER DISINFECTOR	Sheet: <u>1 of 8</u> Date: 5/8/19								
G	GENERAL NOTES									
1.	THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC	. THE DEMANDS								
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 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREAT									
4.	4. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE SDS = 2.20, a _p = 1.0, I _p = 1.5, R _p = 1.5, z/h = 0 AT CONCRETE SLAB & z/h < 1 AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS FOR Ω.									
5.	THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE	STRUCTURE.								
6.	ALL DESIGN FORCES SHOWN ON TH <mark>E DR</mark> AWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR S	STRENGTH DESIGN.								
7.	CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BU	UILDING. (i.e. z/h <u><</u> 1)								
8.	CONCRETE SLAB ON GRADE DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION 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 T B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAIL MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION PREAPPROVAL DOCUMENTS. 	S,								
	C. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT EXCEED THE VALUES ON THE DETAILS.	DO NOT								
	D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR 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 6hef FROM THIS UNIT'S ANCHORS.	No. 4197 EXP. 6-30-2020 x, 5/8/19 F								
	05/09/2019 OPM-0317-13: Reviewed for Code Compliance by Sonia Eliseo 3 of 10 OSHPD APPROVAL PENDING									

Ē	EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com													
GETINGE USA, INC.				DE8.	DES. J. ROBERSON									
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MODEL 8666, 8668 & 8668T WASHER DISINFECTOR					DATE	: 5/8	5/8/19 OF E			SHEETS				
10. EXPANSION ANCHORS:														
	A.		HMENT IS T CORRESPO		de with the an C report.	ICHORS LIS	TED BELC	ow and	INSTALLED) AS DESCR	IBED			
		nchor ameter	Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Min. Embed.	Min. Spacing	Min. Edge Dist.	Min. Conc. Thickness	Torque Test	Dire	ect Tens	ion
		3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	6.75"	12"	See Detail "A"	25 FT-LB		N/A	
		1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	4"	9"	4"	40 FT-LB		1338 lb	
B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 9" AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.														
C. TESTING OF EXPANSION ANCHORS PER 2016 CBC, 1910A.5: TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO OSHPD														
		DIRE			JRS HAVE ELAPSE ST OR TORQUE TI		ST 50% OF				0	_ - •		
 (II) ACCEPTANCE CRITERIA: DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO 2019 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 A	ANY ANCHOF	R FAILS, 1	EST ALL ANCHOR	S.								
	D.				STEEL REINFORG		CRETE SI	LAB						
	E.	PROVIE	DE FOR FULL	. THREAD) ENGAGEMENT O	F NUT & WA	SHER.							
11. B	OLT	S THRO	UGH CONCR	ETE ON I	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.									s. h-1 + 1					
B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.									- All					
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.								INEER *						
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