

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0317

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: New X Renewal/Update

Manufacturer Information

Manufacturer: Getinge Disinfection AB

Manufacturer's Technical Representative: Peter Blomqvist

Mailing Address: Ljungadalsgatan11, Vaxjo, SW 35246

Telephone: (461) 033-5985

Email: peter.blomqvist@getinge.com

Product Information

Product Name: MODELS 8666/8668/8668T WASHER DISINFECTOR

Product Type: Other electrical and mechanical components

Product Model Number: 8666, 8668 & 8668T

General Description: Cleans, disinfects and dries medical instruments, glassware etc.

Applicant Information

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

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 FACILITIES DEVELOPMENT DIVISION

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:							
FOR CODE CO.							
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):							
OPNIA COSti							
HCAI Approval							
Date: 11/27/2023							
Name: William Staehlin Title: Senior Structural Engineer							
Condition of Approval (if applicable):							



	PREAF	EQUIPMENT ANCHORAGE SEISMIC ENGINEERING The Department of Health Care Access and Information PROVAL OF MANUFACTURER'S CERTIFICA OPM-0317 APPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING							
MA	ANUFACTURER: GETINGE L	JSA, INC.	Sheet: <u>1 of 8</u>						
EC	QUIPMENT NAME: MODEL 86	66, 8668 & 8668T WASHER DISINFECTOR	R Date: 11/27/23						
GE	ENERAL NOTES								
1.		FACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC HIS OPM SHALL BE BASED ON THE 2022 CBC	. THE DEMANDS						
2.	THIS DOCUMENT MAY ONLY BE USE	D WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTU							
3.	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 2.20 & 2.30.								
	SEE DETAIL FOR APPLICABILITY								
4.	4. FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,								
	WHERE SDS = 2.20, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 2.30, $a_p = 1.0$, $l_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB & $z/h < 1$ AT CONCRETE SLAB ON METAL DECK.								
	SEE FOLLOWING SHEETS FOR Ω_{0} O $DATE: 11/27/2023$								
5.	5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.								
6.	6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.								
	7. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e. $z/h \le 1$)								
	8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e. z/h = 0)								
9.	RESPONSIBILITIES OF THE ST	RUCTURAL ENGINEER OF RECORD OF THE BUILDING	3						
	A. PROVIDE SUPPORTING STRUCT	FURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION	N TO ALL OTHER LOADS.						
		N IS IN CONFORMANCE WITH THE 2022 CBC AND WITH THE DETANIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORM							
	C. VERIFY THAT PROJECT SPECIFIC EXCEED THE VALUES ON THE D	C VALUES OF SDS & Z/h RESULT IN SEISMIC FORCES (Eh, Ev) THA	AT DO NOT						
		SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE ABLE ICC ESR REPORT. AND THIS OPM.	Juathan Stanlau						
	E. VERIFY THAT THE ANCHORS ARI EDGES OR OPENINGS (SEE TYP	E AN ADEQUATE DISTANCE FROM ANY SLAB PICAL DETAIL ON SHEET 2).	NOT STEEL						
	F. VERIFY THAT ALL NEW OR EXIS	STING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE K FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN	EXP. 6-30-2024						

CA1

0F

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com												
GETINGE USA, INC.						DES.	J. ROBEF	rson	SHEET			
	MODEL 8666, 8668 & 8668T WASHER DISINFECTOR							JOB N	a. 36-2 3	303	2	
		WAS	HEF	R DISINF	ECTO	R		DATE	11/27/	23	of 8 she	ets
10. <u>EXP</u>	ANSION AN	NCHORS:										
A.	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	
	3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2"	6.75"	12"	See Detail "A"	30 FT-LB	N/A	
	1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2.5"	4"	32"	5"	40 FT-LB	2125 lb	
В.	B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 32" AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.											
C.	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 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE.											
(i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF 023									OLT SPACING			
	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	IY ANCHOR F	AILS, TES	ST ALL ANCHORS.								
D.				TEEL REINFORCING E EXPANSION ANCH		ETE SLAB						
E.	PROVIDE	FOR FULL T	HREAD E	NGAGEMENT OF N	UT & WASHE	ER.						
11. BOL	TS THROU	GH CONCRE ⁻	TE ON ME	TAL DECK					•			
A.	tight (t Require	HE SNUG-TIC ED TO BRING	GHT CONI	Y 3/4 TURN OF THE DITION IS DEFINED INECTED PLIES INT ESS OTHERWISE N	AS THE TIGH	HTNESS	JG			mathe	AN ROBA	un
B.				BE 1/16" LARGER ⁻) FOR CONCRETE.	THAN BOLT	SIZE					No. 4197	
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.												











