

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL	OFFICE USE ONLY
OF MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0384-13
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: Don Socha	
Mailing Address: 1777 E. Henrietta Road, Rochester, NY. 14623	
Telephone: On File	
Product Information	Mp L
Product Name: 88 Washer/Disinfector	- E
Product Type: Other Electrical & Mechanical Components	CH CH
Product Model Number: 88 By: Jeffrey Y. Kikumo	oto
General Description: Washer/Disinfector used to clean and disinfect m	nedical instruments
DATE: 10/31/2017	7
	N
Applicant Information	CODÉ ?
Applicant Company Name: EASE Co.	C ^C
Contact Person: Jonathan Roberson, S.E.	
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709	
Telephone: (909) 606-7622 Email: J.Robe	erson@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: 10/19/16
Title: Principal Engineer Company Name: EASE	Co.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dvnamic 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: <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 1950-16 Other* (Please Specify):								
*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.								
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" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-700 (REV 12/16/15) Page 2 of 2								

		EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0384-13 THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622					
		FACTURER: GETINGE USA MENT NAME: 88 SERIES WASHER/DISINFECTOR	Sheet: <u>1 of 9</u> Date: 9/1/17					
GE	NE	RAL NOTES						
1.		IS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC. THE D ESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC	EMANDS					
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.		IS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER TH	AN 1.80, 2.10 & 2.20.					
4.		RCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,						
		ERE SDS = 1.80, a_p = 1.0, I_p = 1.5, R_p = 1.5, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω ₀						
		IERE SDS = 2.20, a_p = 1.0, I_p = 1.5, R_p = 1.5, z/h = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω ₀ IERE SDS = 2.10, a_p = 1.0, I_p = 1.5, R_p = 1.5, $z/h \le 1$ AT CONCRETE SLAB ON METAL DECK.						
		E FOLLOWING SHEETS FOR Ω_0						
5.	ΤH	IS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUC	TURE.					
		L DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENG						
	 CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e. z/h ≤ 1) CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION BELOW GRADE. (i.e. z/h = 0) 							
9.		SPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING						
		PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAILS,	OTHER LOADS.					
	D .	MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION S PREAPPROVAL DOCUMENTS.	HOWN ON THE					
	C.	VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NO 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.	HAN ROBACT					
	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. 6-30-2018 q/1/17 PUCIVR OF CALLEON					

Ē	EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com											
	GETINGE USA						DES.	DES. J. ROBERSON				
$\overline{}$									JOB NO. 36-1601 Z			
~	88 SERIES WASHER/DISINFECTOR							DATE	DATE 9/1/17 OF 9		OF 9 SHEE	:TS
	10. EXPANSION ANCHORS:										٦	
		HMENT IS TO CORRESPON		.DE WITH THE AN C REPORT.	ICHORS LIS	TED BEL(OW AND	INSTALLED) AS DESCR	IBED		
	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]
	3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	4"	3"	See Detail "A"	25 FT-LB	N/A	
	1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	5"	18"	4"	40 FT-LB	1471 lb	
	1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.25"	5"	18"	6"	40 FT-LB	2514 lb	
E	CONCF ADJAC	RETE SLAB E ENT DETAIL	DGES, 18	S FOR UP TO A M. " AWAY MINIMUM ITIONAL MINIMUM	(i.e CORNE	ER). SEE	C_{O}	Mp.		SP -	27" (MIN)	
(EDGE DISTANCES. C. TESTING OF EXPANSION ANCHORS PER 2016 CBC, 1910A.5: TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL 3 INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO OSHPD											
	DI	TER AT LEAS RECT PULL T E ANCHORS.	ENSION 1	JRS HAVE ELAPSE	TEST AT LE	AST 50%	OF		0 9			
										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 /	ANY ANCHOF	R FAILS, T	EST ALL ANCHOR	S.							
[STEEL REINFORG		CRETE S	LAB					
E	E. PROVI	DE FOR FULL	. THREAD	ENGAGEMENT O	F NUT & WA	SHER.						
11. BC	LTS THRC	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.									h		
6	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.									XP. 6-30-2018 9/1/17 OF CALLEON 9			













