0	sDpd	State of California – Health and Human Services Agency				
	fice of Statewide Health Pla	nning and Development				
Fac 400	<i>ilities Development Division</i> R Street. Suite 200, Sacramento, California 958	www.oshpd.ca.gov/fdd 11-6213 Phone (916) 440-8300 Fax (916) 654-2973				
		ON FOR PREAPPROVAL FICATION OF EQUIPMENT AND COMPONENTS				
	For Office Use Only					
	APPLICATION NO. OSP – 0106-10	Check whether application is: NEW X RENEWAL				
	03F - 0106-10					
1.0	General Electric Company Manufacturer	Amit Patel Manufacturer's Technical Representative				
	41 Woodford Ave.; Plainville, CT 060					
	,,,	Mailing Address				
	860-747-7693	amit.patel2@ge.com				
	Telephone	E-mail Address				
2.0	Limitamp MV MCC Product Name	Medium Voltage Motor Control Centers Product Type				
	CR 194 (Controllers) & IC1074 (Loadbreak Switches); auxiliary units have varying product numbers Product Model No. (List all unique product identification numbers and/or serial numbers)					
	MCC sections, auxiliary sections, and	or Control Centers are floor-mounted units consisting of d loadbreak switch sections. They are typically installed installation enclosures are not addressed.				
3.0						
	General Electric Compan Applicant Company Name					
	Applicant Company Name	Contact Person				
	41 Woodford Ave.; Plainville, CT 06062					
		Mailing Address				
	860-747-7693 Telephone	amit.patel2@ge.com				
I her	27 	<i>E-mail Address</i> f Statewide Health Planning and Development for the actual iew.				
	Amit Pater	8/12/2010				
	Signature of Applicant	Date				
	Systems Engineer Title	General Electric Company Company Name				

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"Equitable Healthcare Accessibility for California"

Office of Statewide Health Planning and Development



	Reg	Registered Design Professional Preparing the Report						
4.0		W. E. Gundy & Associates						
		Company Name						
		William E. Gundy		CE-26539				
		Contact Name		California License Number				
	P.0	. Box 2900; Hailey, ID 83333						
		208-788-5989	Mailing Address	wegai@mindspring.com				
		Telephone		E-mail Address				
	Cali	California Licensed Structural Engineer Review and Acceptance of the Report						
5.0								
		Forell-Elsesser Engineers, Inc.						
		Marco Scanu, SE	Company Name	S4454				
		Contact Name		California License Number				
	160	Pine St., 6 th Flr., San Francisco, C/	A 94111					
			Mailing Address					
		415-837-0700		m.scanu@forell.com				
0		Telephone		E-mail Address				
	Anc	horage Pre-Approval						
6.0		Anaharaga is are approved under O	DA					
		Anchorage is pre-approved under O						
		(Separate application for anchorage pre-approval is required)						
	\boxtimes	Anchorage is not Pre-approved						
		Alloholdge is not i te approved						
28	Cert	tification Method						
7.0	\boxtimes	Testing in accordance with:	🛛 ICC-ES AC-156	Cother (Places Specify)				
		resurg in accordance with.	M 100-23 AC-156	Other (Please Specify):				
8		Analysis						
		Experience data						
	 Combination of Testing, Analysis, and/or Experience Data (Please Specify): 							
		Combination of Testing, Analysis, an	id/or Experience Data (Please	Specify):				
9								
• •	Test	ting Laboratory (if applicable)						
8.0	Wyle Laboratories			Rod Thornberry				
		Company Name		Contact Name				
		7800 Hwy 20, Huntsville, AL 35	806					
-		200 mil 20, Hantomio, AE 00	Mailing Address					
		(256) 837-4411						
		Telephone		E-mail:				
		, crophone		L				

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	Approval Parameters
9.0	Design in accordance with ASCE 7-05 Chapter 13: 🛛 Yes 🗌 No
	Design Basis of Equipment or Components $(F_p M_p) = 1.38g$
	S_{DS} (Spectral response acceleration at short period) = 1.84g a_p (In-structure equipment or component amplification factor) = 2.5 R_p (Equipment or component response modification factor) = 6.0 I_p (Importance factor) = 1.5 z/h (Height factor ratio) = 1.0 Equipment or Component fundamental period(s) = See attachment, "Resonant Frequency Summary" Building period limits (if any) = n/a Overall dimensions and weight (or range thereof) = See attachment, "Product Pango Summary"
	Overall dimensions and weight (or range thereof) = See attachment, "Product Range Summary" Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: Yes No
	Design Basis of Equipment or Components (V/W) = S_{DS} (Spectral response acceleration at short period) = S_1 (Spectral response acceleration at 1 second period) = R (Response modification coefficient)=1.0 Ω_0 (System overstrength factor) =1.0 C_d (Deflection amplification factor) =1.0 I_p (Importance factor) =1.5 Height to Center of Gravity above base = Equipment or Component fundamental period(s) = Sec Overall dimensions and weight (or range thereof) = Tank(s) designed in accordance with ASME BPVC, 2007:
10.0	List of attachments supporting the special seismic certification of equipment or components: Image: Special seismic certification of equipment of equipment of equipment of equipment or component or component or certification or certification of equipment of equipme
11.0	OSHPD Approval (For Office Use Only) 8/12/10 December 31, 2016 Signature & Date Approval Expiration Date Chris Tokas, SHFR Sos (g) = 1.84 z/h = 1.0 Name & Title Special Seismic Certification Valid Up to

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	Width	Depth	Height	Max. Service Weight	Notes
Motor Control Center - CR 194					
400A One High	26 in	30 in	90 in	4,000 lbs	
400A One High	34 in	30 in	90 in	4,000 lbs	(tested)
400A One High	36 in	30 in	90 in	4,000 lbs	(tested)
400A One High	40 in	30 in	90 in	4,000 lbs	104 M (22.2.12)
800A One High	48 in	30 in	90 in	4,000 lbs	UUT1
400A Two High	36 in	30 in	90 in	4,000 lbs	UUT4
400A Two High	40 in	30 in	90 in	4,000 lbs	(tested)
Auxiliary Sections					
Aux. Enclosure	22 in	30 in	90 in	2,700 lbs	
Aux. Enclosure	32 in	30 in	90 in	2,700 lbs	UUT2, UUT1*
Aux. Enclosure	38 in	30 in	90 in	2,700 lbs	
Aux. Enclosure	42 in	30 in	90 in	2,700 lbs	
Aux. Enclosure	44 in	30 in	90 in	2,700 lbs	
Loadbreak Switches - IC1704					
600A	34 in	30 in	90 in	1,700 lbs	
600A	38 in	30 in	90 in	1,700 lbs	
600A	42 in	30 in	90 in	1,700 lbs	
600A	44 in	30 in	90 in	1,700 lbs	
1200A	38 in	30 in	90 in	1,700 lbs	UUT3
*Between UUT2 and one section	on of UUT1, th	ere were two 3	2" Auxiliary S	ection tests (400/	4 & 800A).
**All tested units had indoor e					

OSP APPLICATION GE Industrial Solutions - Limitamp MV Motor Control Centers Product Range Summary

GE Limitamp MV MCC units are rigidly anchored to the floor. Lateral forces are resisted by shear membrane action in the light gauge metal exterior sheathing. Shear is transferred to adjacent metal panels through screws into light gauge metal angle frames, then to light gauge bent metal mounting brackets then through anchorage to concrete pad/slab.

OSP APPLICATION GE Industrial Solutions - Limitamp MV Motor Control Centers Resonant Frequency Summary

GE Industrial Solutions - Limitamp MV Motor Control Centers Resonant Frequency Summary

	UUT1 - MCC Starter 4,000 lbs		UUT2 - Auxiliary 1,300 lbs		UUT3 - Loadbreak Switch 1,000 lbs		UUT4 - MCC 2-High w/ Drawout 2,000 lbs	
Direction	Frequency	Period	Frequency	Period	Frequency	Period	Frequency	Period
Front-Back	9.5 Hz	0.11 sec	10.5 Hz	0.10 sec	12.0 Hz	0.08 sec	9.0 Hz	0.11 sec
Side-Side	11.0 Hz	0.09 sec	16.0 Hz	0.06 sec	14.0 Hz	0.07 sec	8.5 Hz	0.12 sec
Vertical	15.0 Hz	0.07 sec	18.0 Hz	0.06 sec	16.0 Hz	0.06 sec	22.5 Hz	0.04 sec

FORELL/ELSESSER ENGINEERS, INC. Structural Engineers 160 Pine St., 6th Floor San Francisco, CA 94111