

Office of Statewide Health Planning and Development

Facilities Development Division

www.oshpd.ca.gov/fdd

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APPLICATION FOR PREAPPROVAL

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

APPLICATION NO. Check whether application is: NEW X RENEWAL APPLICATION NO. Check whether application is: NEW X RENEWAL APPLICATION NO. Check whether application is: NEW X RENEWAL ACCORD AND ACCORD ACCORD AND ACCORD AND ACCORD ACCORD AND ACCORD ACCORD AND ACCORD ACC	For Office Use	Only					
1.0 Manufacturer 830 W 40 th St., Chicago, IL 60609 Mailing Address (773) 299-6720 Description: Paralleling Switchgear integrates the operation of onsite generators, the connection to the incoming utility source(s), the operation and/or control of automatic transfer switches, operation of generator controls, and distribution equipment into a fully functioning system. A paralleling switchgear, in addition to having the functionality of an ATS as basic, also performs multi source paralleling (multiple utilities, multiple generators, because of saigle utility etc.), peak shaving and base loading during dedicated times or based on facility electric load. General Electric Zenith Controls Ozgur Cantez Manufacturer's Technical Representative Segur Cantez Mailing Address Two Bay Cabinet 101/102 Product Type See Attachment #1 (Only 1-model of switchgear control listed in Attachment #1 to be certified) Product Type See Attachment #1 (Only 1-model of switchgear control listed in Attachment #1 to be certified) Product Type See Attachment #1 (Only 1-model of switchgear control listed in Attachment #1 to be certified) Product Type See Attachment #1 (Only 1-model of switchgear control listed in Attachment #1 to be certified) Product Type See Attachment #1 to be certified in Attachment #		N NO. Check	whether application is: NEW X RENEWAL				
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(1)							
Applicant Company Name Contact Person		Company Name	Contact Person				
830 W 40 th St., Chicago, IL 60609	830 W 40 th St., C	hicago, IL 60609					
Mailing Address	-	/	Mailing Address				
(773) 299-6720 <u>ozgur.cantez@ge.com</u>	(773) 299-6720		077.				
Telephone E-mail Address	\ 	Telephone	E-mail Address				
I hereby agree to reimburse the Office of Statewide Health Planning and Development for the actual costs incurred by the department for review.	I hereby agree to reimburs the department for review	se the Office of Statewide Healt					
Water 2/16/2010	les	att	2/16/2010				
Signature of Applicant Date	Signatui	re of Applicant	Date				
Systems Engineer General Electric Zenith Controls	Systems		General Electric Zenith Controls				
Title Company Name							



Office of Statewide Health Planning and Development

Registered Design Professional Preparing the Report

4.0	Maso	on West, Inc.					
11.5			Company Name				
	Jimm	ny Wong	S 4744	rnia License Number			
	1601	Contact Name E Miraloma Ave, Placetie, CA 92870	Califo	Illia License Number			
	1001		Mailing Address				
	(714)) 630-0701	jwong@masonwes				
		Telephone		E-mail Address			
5.0		fornia Licensed Structural Engineer I on West, Inc.	etu.	eport			
	limn	av Mong	Company Name S 4744				
	JIIIIII	ny Wong	2 :	amia Liaanaa Numbar			
	1601	Contact Name E Miraloma Ave, Placetie, CA 92870	Callin	ornia License Number			
,			Mailing Address	• CALABADA			
5.0	(714)) 630-0701	jwong@masonwes	jwong@masonwest.com			
		Telephone	E-ma	ail Address			
	Anci	horage Pre-Approval					
0.0	П	Anchorage is pre-approved under OF	PA-	And the second			
		(Separate application for anchorage					
		(coparate application for allenorage)	pro approvanie roganica,				
	\boxtimes	Anchorage is not Pre-approved					
	Cert	ification Method					
70.	\boxtimes	Testing in accordance with:	☑ ICC-ES AC-156	Other (Please Specify):			
		resung in accordance with.	△ 100-20 A0-100	Giner (Ficuse opecity).			
		Analysis		7			
		Experience data					
	П	Combination of Testing, Analysis, an	d/or Experience Data (Please Spec	cify):			
				N. W.			
	Test	ing Laboratory (if applicable)					
3.0	Clark	Dynamic Test Laboratory	Joh	n Antenucci			
	Company Name			Contact Name			
	1801	Route 51, Jefferson Hills, PA 15025					
			Mailing Address				
	412-	382-7173	jrantenucci@clarkd	ynamic.com			
		Telephone		E-mail:			



Office of Statewide Health Planning and Development

	Approval Parameters
9.0	Design in accordance with ASCE 7-05 Chapter 13: Yes No
	Design Basis of Equipment or Components $(F_p/W_p) = 1.44g$
	S_{DS} (Spectral response acceleration at short period) = 2.0g
	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 #1
	Building period limits (if any) =N/A
	Overall dimensions and weight (or range thereof) = See Attachment #1
	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: Yes No
10.0	List of attachments supporting the special seismic certification of equipment or components:
	☐ Calculations ☐ Others (Please Specify ②: Attachment #1
11.0	OSHPD Approval (For Office Use Only)
-	3/1/2010 December 31, 2013
	Signature & Date Chris Tokas, SHFR Sps (g) = 2.0 Approval Expiration Date Z/h = 1.0
	Name & Title Special Seismic Certification Valid Up to Condition of Approval (if any):

Attachment #1 - Equipment Data

						Resonance Frequency		
Test Report	Equipment Name	Equipment Model	Dimensions	Weight (lbs.)	SDS (g)	SS (Hz)	FB (Hz)	V (Hz)
T4241	GE-Paralleling Switchgear Control	Two Bay Cabinet 101 & 102	60"Wx30"Dx90"H	1,600	2.0	9.4	11.7	36.0

 $[\]frac{\text{NOTE}}{\text{I. All information is for base mounted installation ONLY \& approval is ONLY valid for base mounted configuration.}$