os	bod	State of California – Health and Human Services Agency				
Off	ice of Statewide Health Pla	anning and Development				
Facil 400 R	ities Development Division Street. Suite 200, Sacramento, California 95	www.oshpd.ca.gov/fdd 5811-6213 Phone (916) 440-8300 Fax (916) 654-2973				
		ION FOR PREAPPROVAL IFICATION OF EQUIPMENT AND COMPONENTS				
	For Office Use Only					
	APPLICATION NO.	Check whether application is: NEW X RENEWAL				
	OSP - 0146-10					
1.0	Square D by Schneider Electric No Manufacturer	rth America Philip Caldwell Manufacturer's Technical Representative				
	1990 Sandifer Blvd, Seneca, S	C 29678				
		Mailing Address				
	864-886-1471	philip.caldwell@us.schneider-electric.com				
	Telephone	E-mail Address				
2.0	Power-Zone Model III	Medium Voltage Package Unit Substation				
	Product Name	Product Type				
		Serial number varies				
	Product model No (List a	all unique product identification numbers and/or serial numbers)				
	Pressure Impregnated (VPI) dry-type, oper	d Model III package unit substation consists of a transformer (Vacuum n coil wound Cooper or Aluminum) and breaker panels. The package VL/cc switchgear unit. The transformers, breaker panels, and				
3.0						
0.0	Square D by Schneider Electric No	orth America Philip Caldwell Contact Person				
	Applicant Company Name					
	1990 Sandifer Blvd, Seneca, S					
		Mailing Address				
	864-886-1471 Telephone	philip.caldwell@us.schneider-electric.com E-mail Address				
1.6						
	s incurred by the department for r	e of Statewide Health Planning and Development for the actual eview.				
	Philip J. Caldwell	1/19/2011				
	Signature of Applicant	Date				
	Edison Expert	Schneider Electric				
	Title	Company Name				

osDpd

"Equitable Healthcare Accessibility for California"

Office of Statewide Health Planning and Development



222	Registered Design Professional Preparing the Report					
0	University of Alabama - Birmingham					
<i>1</i> .5		Company Name				
	Lee Gholamreza Moradi		C41383 California License Number			
1	824 Sulphur Springs Rd, Hoover,	AL 35226	Camornia License Number			
4	624 Sulphur Springs Ru, Hoover,	Mailing Address				
	205-975-2718	, indining / indinione	moradi@uab.edu			
	Telephone		E-mail Address			
Cal	lifornia Licensed Structural Engine	er Review and Acceptanc	e of the Report			
0	For	ell-Elsesser Engineers	Inc			
S		Company Name	, 110.			
	Marco Scanu, SE		S4454			
2 <u></u>	Contact Name		California License Number			
16	60 Pine St., 6 th Flr., San Francisco,	CA 94111				
		Mailing Address				
	415-837-0700		m.scanu@forell.com			
	Telephone		E-mail Address			
	chorage Pre-Approval					
)	Anchorage is pre-approved under	OPA-				
			n			
	(Separate application for anchora	ge pre-approvar is required)			
\boxtimes	Anchorage is not Pre-approved					
	,					
Ce	rtification Method					
	Testing in accordance with:	ICC-ES AC-15	6 Other (Please Specify):			
	Analysis					
	Experience data					
	Combination of Testing, Analysis,	and/or Experience Data (F	Please Specify):			
	sting Laboratory (if applicable)					
0	Wyle Laboratories		Rod Thornberry			
	Company Name	Contact Name				
	7800 Hwy 20, Huntsville, AL	35806				
	7000 Hity 20, Halloville, 712	Mailing Address				
	(256) 837-4411					
	(200) 837-4411 Telephone		E-mail:			
	relephone					
			<u>*</u>			

State of California – Health and Human Services Agency Arnold Schwarzenegger, Governor "Equitable Healthcare Accessibility for California"

osDpd				"Equitable Health
Office of Statewide	Health	Planning	and	Development

	Approval Parameters						
	Design in accordance with ASCE 7-05 Chapter 13: 🛛 Yes 🗌 No						
	Design Basis of Equipment or Components (F_p/W_p) =1.66g						
	S_{DS} (Spectral response acceleration at short period) =2.21g						
	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 Attached "Resonant Frequency Summary"						
	Building period limits (if any) = n/a						
	Overall dimensions and weight (or range thereof) = See Attached "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						
	l _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						
)	List of attachments supporting the special seismic certification of equipment or components:						
	Test Report Drawings Manufacturer's Catalog						
	Calculations Other (Please Specify): SE Acceptance Letter, Product Range Summary CAN2-1708A.5 & AC156 Requirements Checklis						
)	OSHPD Approval (For Office Use Only) 1/19/2011 December 31, 2016						
1	Signature & Date Approval Expiration Date						
	Chris Tokas, SHFR $S_{DS}(g) = 2.21$ $z/h = 1.0$						
33	Name & Title Special Seismic Certification Valid Up to						

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OSP APPLICATION Square D - Model III Substation Product Range Summary

edium Volta	ge Package	Unit Subs	tation	
Width (in)	Depth (in)	Height (in)	Max. Service Weight (Ibs)	Notes
48 - 70	48 - 52	86	2,500	1, 2, 3, 4, 5, 6
a 🕅 — anno-company				1, 2, 3, 4, 5, 6
truction				
"-wide air-filled to		per for top or b	oottom incoming	conductors, where
	edium Volta 75 - 1,000 kV/ Width (in) 48 - 70 nic performance between 75 kV/ 60 - 82 struction	edium Voltage Package 75 - 1,000 kVA Product I Width (in) Depth (in) 48 - 70 48 - 52 nic performance characteristic between 75 kVA and 1000 kV 60 - 82 48 - 52	edium Voltage Package Unit Subs 75 - 1,000 kVA Product Range Sum Width (in) Depth (in) Height (in) 48 - 70 48 - 52 86 nic performance characteristics for electrical between 75 kVA and 1000 kVA are interpole 60 - 82 48 - 52 60 - 82 48 - 52 86 struction	Width (in) Depth (in) Height (in) Weight (lbs) 48 - 70 48 - 52 86 2,500 nic performance characteristics for electrical capacity between 75 kVA and 1000 kVA are interpolated 60 - 82 48 - 52 86 6,900 60 - 82 48 - 52 86 6,900 6,900 6,900 6,900 struction

 Primary disconnect, HVL or HVL/cc, main device dimensions, weight and seismic performance characteristics established by separate OSP.

Test Summary						
Test Size (kVA)	Width (in)	Depth (in)	Height (in)	Tested Weight (Ibs)	Dynamic Test	
75	48	48	85.5	2,470	Test 57352R10 UUT2	
1000	60	48	85.5	6,810	Test 57700R10 UUT1	

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

OSP APPLICATION Square D - Model III Substation Resonant Frequency Summary

Square D - Power-Zone Model III MV Package Unit Substation Resonant Frequency Summary

	<u>UU</u> 1,000	and the second	<u>UUT2</u> 75 kVA		
Direction	Frequency	Period	Frequency	Period	
Front-Back	4.7 Hz	0.21 sec	4.8 Hz	0.21 sec	
Side-Side	6.2 Hz	0.16 sec	8.8 Hz	0.11 sec	
Vertical	16.0 Hz	0.06 sec	18.0 Hz	0.06 sec	

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UUT1



UUT2

Wyle Laboratories, Inc. Huntsville Facility

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