



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0560

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Schneider Electric

Manufacturer's Technical Representative: Scott Littler

Mailing Address: 6700 Tower Circle, Suite 700, Franklin, TN 37067

Telephone: (615) 267-9407

Email: scott.littler@se.com

Product Information

Product Name: Premset Switchgear

Product Model Number(s): ESB, D01N, D02N, G06, D06H, D06N, G12, D12H

Product Category: Switchgear/Switchboards

Product Sub-Category: Switchgear - Medium Voltage

General Description: 15 kV Metal Enclosed Switchgear, Compact Vacuum Circuit Breaker Switchgear with Shielded Solid Insulation (2SIS) System, 600A and 1200A with front and rear connection.

Mounting Description: Base Mounted Rigid -

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: Pre Compliance

Contact Person: Galen Reid

Mailing Address: 324 NW Hill St., Bend, OR 97703

Telephone: (541) 241-2310

Email: galen@go-pre.com

Title: Principal and Program Manager



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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: PRE COMPLIANCE

Name: Andrew Coughlin

California License Number: S6082

Mailing Address: 324 NW Hill St, Bend, OR 97703

Telephone: (415) 635-8461

Email: Andy@go-pre.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Mike Noblitt

Mailing Address: 7800 Highway 20 West, Huntsville AL 35806

Telephone: (256) 837-4411

Email: miken@element.com

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)

Contact Person: Amarnath Kasalanati

Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729

Telephone: (510) 642-3437

Email: Amarnath1@berkeley.edu

Company Name: UNIVERSITY OF BUFFALO (SEESL)

Contact Person: Yushan Fu

Mailing Address: 212 Ketter Hall, Buffalo NY 14260

Telephone: (716) 645-4377

Email: yushanfu@buffalo.edu



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Seismic Parameters

Certified Response Spectral Acceleration Factors: (F_p/W_p)

Horizontal (A Flx-H), $g =$ 3.00 (A Rig-H), $g =$ 2.03

Vertical (A Flx-V), $g =$ 1.34 (A Rig-V), $g =$ 0.54

S_{DS} (Design spectral response acceleration at short period, g) = 1.88 @ $z/h = 1$; 2.00 @ $z/h = 0$

H_f (Force amplification height factor) = 1 @ $z/h = 0$; 3.5 @ $z/h = 1$

R_u (Structure ductility reduction factor) = 1 @ $z/h = 0$; 1.3 @ $z/h = 1$

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 08/08/2031

Date: 8/8/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

BY: Mohammad Karim

DATE: 08/08/2025



Manufacturer: Schneider Electric
Product Type: Switchgear – Medium Voltage
Model Line: Premset

$S_{DS} = 1.88g$ for $R_\mu=1.3, H_f=3.5$	$I_p=1.5$
$S_{DS} = 2.00g$ for $R_\mu=1.0, H_f=1.0$	

CBC 2025

Mounting Configuration: Base Mounted - Rigid

14 Ga. Painted carbon steel enclosure.

600A - 1200A Copper or Aluminum main busbars, Copper or Aluminum riser busbars, Front or rear connection with top or bottom cable entry, Front access only or Rear access options, Rear cable assembly, 17.7" to 27.75" tall low voltage compartment, 10.2" base plinth, standard or additional depth doors. Ganged configuration only.

*Indicates product variations with varying busbar terminations.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Manufacturer: Schneider Electric
Product Type: Switchgear – Medium Voltage
Model Line: Premset

Seismic Parameters

$S_{DS} = 1.88g$ for $R_{\mu}=1.3, H_f=3.5$
 $S_{DS} = 2.00g$ for $R_{\mu}=1.0, H_f=1.0$

Building Codes

$I_p=1.5$
CBC 2025

TABLE 2

Table Description: Main Components

Component	Manufacturer	Model	Description	Notes	UUT
Breakers	Schneider Electric	AAV91761	Vacuum circuit breaker	UUT 1: Qty (2) for 1200A	1,3
Low-Power Voltage Transformers (LPVT)	Zelisko	03816686NO	12/28/75 kV		3
		03816695NO	24/50/125 kV		1
	Schneider Electric	P7MSULPVT01	Cable side voltage sensing for 600A Unit		3
		P7MSULPVT02	Cable side voltage sensing for 1200A Unit		1
Mechanism	Schneider Electric	CIT	Manual close/open		Extrap.
		CI1	Closing with hand lever or motor & opening with push button or trip coils		3
		OCO	Stored Energy type with closing & opening with push button or trip coils		1
Motor Mechanism	Schneider Electric	P7M12001	24-30V DC		Extrap.
		P7M12002	48-60V AC/DC		Extrap.
		P7M12003	100-130V AC/DC		1,3
		P7M12004	200-250V AC/DC		3
Tank	Schneider Electric	ESB-P7MESBC10	Breaker/switch enclosure		Extrap.
		D01N-P7MD0XNC10	Breaker/switch enclosure		Extrap.
		D02N-P7MD0XNC10	Breaker/switch enclosure		Extrap.
		D06H-P7MD06HC10	Breaker/switch enclosure		Extrap.
		D06N-P7MD0XNC10	Breaker/switch enclosure		3
		D12H-P7MD06HC10	Breaker/switch enclosure		1
Tank Camera	Schneider Electric	NHA64038	Tank camera to confirm switch position		1,3
Cable Test Device	Schneider Electric	P7MCTESTID	600A		3
		P7MCTESTID1250A	1200A		1

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Manufacturer: Schneider Electric
Product Type: Switchgear – Medium Voltage
Model Line: Premset

Seismic Parameters

$S_{DS} = 1.88g$ for $R_{\mu}=1.3, H_f=3.5$
 $S_{DS} = 2.00g$ for $R_{\mu}=1.0, H_f=1.0$

 $I_p=1.5$

Building Codes

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TABLE 3

Table Description: Low Voltage Components

Component	Manufacturer	Model	Description	Notes	UUT
Relays	Schneider Electric	VIP Protection Relay	Protection Relay		3
		MiCOM	24-220 VDC, 110-230 VAC Protection Relay		3
		VD23	Voltage Detector Relay		3
		Sepam	24-250 VDC, 110/240 VAC Protection Relay		1,3
Ammeter	Schneider Electric	AMP 21D	Ammeter, 3-360 A		1
Fault Passage Indicator	Schneider Electric	Easergy Flair	Fault passage indicator, 2-4 digit display		3
Controllers	Schneider Electric	SC100	Intelligent Controller, 24-60 VDC		1,3
		SC-MI	Local control device, on/off, remote local		1
Transfer Systems	Schneider Electric	ATS100	Automatic transfer system		3
Power Meters	Schneider Electric	PM5000	Power Meter		3
		PM8000	Power Meter		Interp.
		ION7650	Power Meter		1
Current Transformers	Schneider Electric	P7MARU2	ARU2 type, for protection	Mounted at bottom tank	1
		P7MARU1	ARU2 type, for metering	Mounted at bushings	1,3
		ARC6	ARU6 type, for metering	Mounted at cables	3
Voltage Presence Indicator	Schneider Electric	VPI62403	Voltage presence indicator (3kV)		3
		VPI62404	Voltage presence indicator (6.6kV)		Interp.
		VPI62406	Voltage presence indicator (15kV)		1
Live Cable Interlock	Schneider Electric	P7MLCIMEXX	Locking assy VAC/VDC		1,3
		P7M12020	Electronic Device ESL100A 24-48 VDC		3
		P7M12021	Electronic Device ESL100E 110-250 VAC/DC		1
Sensor	Schneider Electric	Easergy TH110/CL110	Wireless thermal and humidity sensor		1
Power Supply	Schneider Electric	PS100	Power Supply		1



Manufacturer: Schneider Electric
Product Type: Switchgear – Medium Voltage
Model Line: Premset

$S_{DS} = 1.88g$ for $R_\mu=1.3, H_f=3.5$
 $S_{DS} = 2.00g$ for $R_\mu=1.0, H_f=1.0$

CBC 2025

Table Description: Extension Boxes

	500mm deep	Door extension box
	17.72" LV Box	LV Box C
	20.12" LV Box	LV Box C with top control c
r Electric	25.35" LV Box	LV Box Cmax
	27.75" LV Box	LV Box Cmax with top cont
r Electric	Rear cable extension	Rear cable extension box
r Electric	Single wide	14.75" wide plinth
	Double wide	29.5" wide plinth
DATE: 08/08/2025 		

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Manufacturer: Schneider Electric
Product Type: Switchgear – Medium Voltage
Model Line: Premset

Seismic Parameters

$S_{DS} = 1.88g$ for $R_{\mu}=1.3, H_f=3.5$
 $S_{DS} = 2.00g$ for $R_{\mu}=1.0, H_f=1.0$

Building Codes

CBC 2025

TABLE 5

Table Description: Control Power Transformers

Component	Manufacturer	Model	Description	UUT
Control Power Transformers	ITI/GE	CPTS3605242A	5kVA, 2400V/120V; Cu Windings; 165 lbs.	2
		CPTS36054161A	5kVA, 4160V/120V; Cu Windings; 165 lbs.	Interp.
		CPTS3605482A	5kVA, 4800V/120V; Cu Windings; 165 lbs.	Interp.
		CPTS5955722A	5kVA, 7200V/120V; Cu Windings; 165 lbs.	Interp.
		CPTS5955123A	5kVA, 12000V/120V; Cu Windings; 165 lbs.	Interp.
		CPTS59551242A	5kVA, 12470V/120V; Cu Windings; 165 lbs.	Interp.
		CPTS59551322A	5kVA, 13200V/120V; Cu Windings; 165 lbs.	Interp.
		CPTS36010242A	10kVA, 2400V/120V; Cu Windings; 250 lbs.	Interp.
		CPTS360104161A	10kVA, 4160V/120V; Cu Windings; 250 lbs.	Interp.
		CPTS36010482A	10kVA, 4800V/120V; Cu Windings; 250 lbs.	Interp.
		CPTS59510722A	10kVA, 7200V/120V; Cu Windings; 250 lbs.	Interp.
		CPTS59510123A	10kVA, 12000V/120V; Cu Windings; 250 lbs.	Interp.
		CPTS595101242A	10kVA, 12470V/120V; Cu Windings; 250 lbs.	Interp.
		CPTS595101322A	10kVA, 13200V/120V; Cu Windings; 250 lbs.	Interp.
		CPTS36015242A	15kVA, 2400V/120V; Cu Windings; 290 lbs.	Interp.
		CPTS360154161A	15kVA, 4160V/120V; Cu Windings; 290 lbs.	Interp.
		CPTS36015482A	15kVA, 4800V/120V; Cu Windings; 290 lbs.	Interp.
		CPTS59515722A	15kVA, 7200V/120V; Cu Windings; 290 lbs.	Interp.
		CPTS59515123A	15kVA, 12000V/120V; Cu Windings; 290 lbs.	Interp.
		CPTS595151242A	15kVA, 12470V/120V; Cu Windings; 290 lbs.	5
		CPTS595151322A	15kVA, 13200V/120V; Cu Windings; 290 lbs.	Interp.
		CPTS36025242A	25kVA, 2400V/120V; Cu Windings; 411 lbs.	Interp.
		CPTS360254161A	25kVA, 4160V/120V; Cu Windings; 411 lbs.	2
		CPTS36025482A	25kVA, 4800V/120V; Cu Windings; 411 lbs.	Interp.



PRE COMPLIANCE

SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

Pre No. CC251703-01-R0

[illegible]

Notes:

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 1

Test Report# PR061026-TR-17

Manufacturer: Schneider Electric
 Model Line: Premset
 Model Number: D12H & G12
 Serial Number: ICFA41200LPHB/LDI/PS

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.19	1.3	3.5	1.5	3.50	2.35	1.64	0.66
2.46	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
62.54	44.25	99.5	2586

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
13.5	7.2	13

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

14 Ga. Painted carbon steel enclosure

UUT Mounting Details:



UUT was rigid base mounted using (12) 1/2"-13 Grade 5 bolts.
 Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Model Number
Breaker	AAV91761
Low-Power Voltage Transformers	3816686NO
	P7MSULPVT02
Mechanism	OCO
Motor Mechanism	PZM12003
Tank	D12H-P7MD06HC10
Tank Camera	NHA64038
Cable Test Device	P7MCTESTID1250A
Relay	Sepam
Ammeter	AMP 21D



PRE
COMPLIANCE

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

Pre No. CC251703-01-R0

UUT 1

Test Report# PR061026-TR-17

Manufacturer: Schneider Electric
Model Line: Premset
Model Number: D12H & G12
Serial Number: ICFA41200LPHB/LDI/PS

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.19	1.3	3.5	1.5	3.50	2.35	1.64	0.66
2.46	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
62.54	44.25	99.5	2586

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
13.5	7.2	13

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

14 Ga. Painted carbon steel enclosure

List of Included Subcomponents Continued

[illegible]

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 2

Test Report# SEESL-2014-11 Rev 4
(UUT2)

Manufacturer: Schneider Electric
Model Line: Masterclad
Model Number: FO# 34089617-001
Serial Number: N/A

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
1.88	1.3	3.5	1.5	3.00	2.02	1.34	0.54
2.00	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
127	72	109	9690

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
10.3	5.1	16.0

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

NEMA Type 3R outdoor, non walk-in enclosure constructed of carbon steel

UUT Mounting Details:



Unit was rigid base mounted using (6) 1/2" Grade 8 bolts with Belleville conical spring washers torqued to 107 ft.-lbs. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Model Number
2000A Copper Main Bus	N/A
Relay	GE C60
Relay	7805D
Power Meter	870
Circuit Breaker	VR-27040-20
Surge Arrester	9L20FXX024XHS
Control Power Transformer	CPTS3605242A
Control Power Transformer	CPTS360254161A
Fuse	9F60DNJ007
Circuit Breaker	JDL26250C
Voltage Transformer	PT611255D03591

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 3

Test Report# PR069325-TR-17

Manufacturer: Schneider Electric
 Model Line: Premset
 Model Number: D06N & G06
 Serial Number: 36555468-001

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.25	1.3	3.5	1.5	3.60	2.42	1.6	0.64
2.39	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
62.54	29.5	99.5	1860

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
14.0	6.5	>33.3

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

14 Ga. Painted carbon steel enclosure

UUT Mounting Details:



UUT was rigid base mounted using (9) 1/2"-13 Grade 5 bolts.
 Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Model Number
Breaker	AAV91761
Low-Power Voltage Transformers	3816686NO
	P7MSULPVT01
Mechanism	CI1
Motor Mechanisms	PZM12003
	PZM12004
Tank	D06N-P7MD0XNC10
Tank Camera	NHA64038
Cable Test Device	P7MCTESTID
Relay	VIP Protection Relay



UUT 3

Test Report# PR069325-TR-17

Manufacturer: Schneider Electric
Model Line: Premset
Model Number: D06N & G06
Serial Number: 36555468-001

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.25	1.3	3.5	1.5	3.60	2.42	1.6	0.64
2.39	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
62.54	29.5	99.5	1860

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
14.0	6.5	>33.3

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

14 Ga. Painted carbon steel enclosure

List of Included Subcomponents Continued

Pre Compliance

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 5

Test Report# PEER-STI/2014-04R Rev01
(UUT1)

Manufacturer: Schneider Electric
Model Line: HVL/36W Masterclad
Model Number: FO# 17-30209756-002
Serial Number: 17-30209756-002

Highest Passed Test Level

S_{DS}	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
1.88	1.3	3.5	1.5	3.00	2.02	1.8	0.72
2.70	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
109	84	109	7700

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
7.0	5.1	17.8

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156

Construction/Option Summary

NEMA Type 3R outdoor, non walk-in enclosure constructed of carbon steel

UUT Mounting Details:



Unit was rigid base mounted using (6) 0.12" by 12" long tie down fillet welds, (3) in front and (3) in back.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Model Number
2000A Copper Main Bus	N/A
Circuit Breaker	VR-15050-20
Surge Arrester	9L20FXX015XHS
Control Power Transformer	CPTS595151242A
Voltage Transformer	PTG52SD02293FFG
Relay	S24
Power Meter	S7330A0B0B0E0A0
Switch	44039-398-52