



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-0889

**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: SureSeT

Product Model Number(s): SureSeT 5/15 kV Metal-clad Switchgear systems with Breaker Ratings up to 2000A and pass-thru bus ampacity up to 3000A. (see Certified Product Tables).

Product Category: Switchgear/Switchboards

Product Sub-Category: Switchgear - Medium Voltage

General Description: Distribution and Auxiliary/Meter Bay Metal-Clad Switchgear Sections packaged in ANSI Indoor and Outdoor sheet metal framed enclosures. Subcomponents include EvoPacT vacuum circuit breakers, voltage transformers, control power transformers.

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 & 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: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)  
 Contact Person: Jeremy Lange  
 Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513  
 Telephone: (972) 247-9657 Email: Jeremy@etldallas.com

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)  
 Contact Person: Jamie Millett  
 Mailing Address: 7800 Highway 20 West, Huntsville AL 35806  
 Telephone: (256) 837-4411 Email: jamie.millett@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

Company Name: UNIVERSITY OF NEVADA, RENO (UNR)  
 Contact Person: Patrick LaPlace  
 Mailing Address: 1664 N. Virginia Street, Reno NV 89557  
 Telephone: (775) 784-6937 Email: plaplace@unr.edu





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**Seismic Parameters**

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal (A Flx-H), g= 2.76 (A Rig-H), g= 1.86  
 Vertical (A Flx-V), g= 1.40 (A Rig-V), g= 0.56

SDS (Design spectral response acceleration at short period, g) = 2.10 @ z/h = 0; 1.73 @ z/h = 1

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

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

Ip (Importance factor) = 1.5

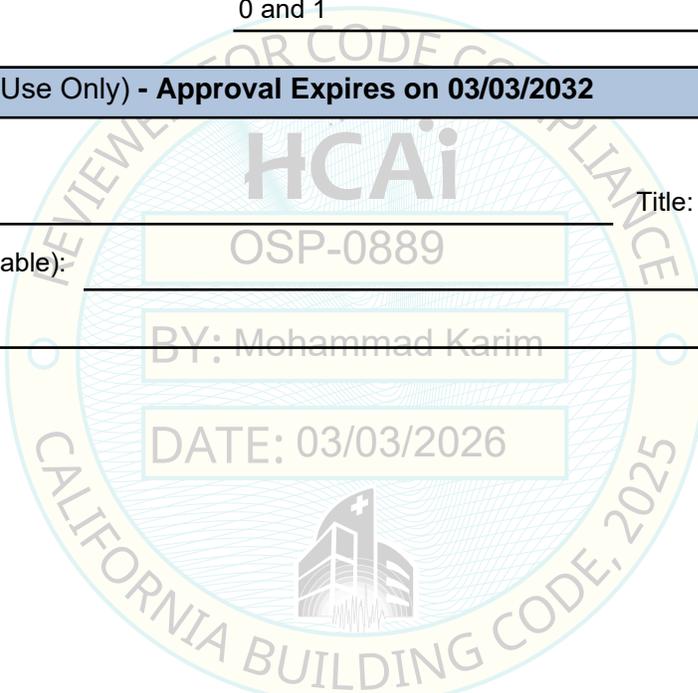
z/h (Height ratio factor) = 0 and 1

**HCAI Approval (For Office Use Only) - Approval Expires on 03/03/2032**

Date: 3/3/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0889





# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC251767-01-R0

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

Seismic Parameters	Building Codes
$S_{DS} = 1.73g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$	CBC 2025
$S_{DS} = 2.10g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	

$I_p=1.5$

## TABLE 1

Mounting Configuration: Base Mounted - Rigid

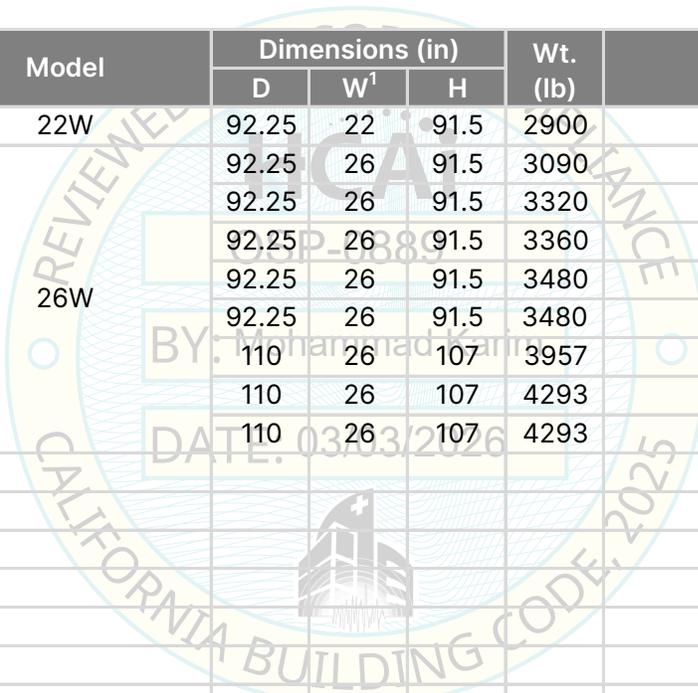
### Construction Summary

SureSeT ANSI Indoor & Outdoor Enclosures constructed of carbon steel. Copper bus.

### Options Summary

SureSeT: 5 kV & 15 kV Class. Bus Ampacities up to 2000A.

Model Line	Model	Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W <sup>1</sup>	H			
SureSeT MV Switchgear - Distribution and Auxiliary/Meter Bay	22W	92.25	22	91.5	2900		Interp.
		92.25	26	91.5	3090		2a
		92.25	26	91.5	3320		3b
		92.25	26	91.5	3360		2b
		92.25	26	91.5	3480		3a
	26W	92.25	26	91.5	3480		Interp.
		110	26	107	3957		1b
		110	26	107	4293		1a
		110	26	107	4293		Interp.



1. Minimum lineup width is 2 sections (52").









UUT	Model	Test Report	Test Date	Test Laboratory	S <sub>DS</sub>	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>
1	2-Section SureSeT Outdoor 15kV MV Switchgear	TR251718-01-R0 (UUT2)	5/19/2025	UNR	1.80 2.35	1 0	1.3 1.0	3.5 1.0	1.5
2	SureSeT 2000A MV Switchgear	TR251767-01-R0 (UUT5)	11/18/2025	UNR	1.80 2.40	1 0	1.3 1.0	3.5 1.0	1.5
3	SureSeT 1200A MV Switchgear	TR251767-01-R0 (UUT6)	11/18/2025	UNR	1.73 2.33	1 0	1.3 1.0	3.5 1.0	1.5
4	5-15kV, ANSI Outdoor, Non Walk-in Masterclad Switchgear	SEESL-2014-11 Rev 4 (UUT1)	4/7/2014	SEESL	1.92 2.11	1 0	1.3 1.0	3.5 1.0	1.5
5	27kV, ANSI Outdoor, Non Walk-in Masterclad Switchgear	SEESL-2014-11 Rev 4 (UUT2)	4/7/2014	SEESL	1.88 2.10	1 0	1.3 1.0	3.5 1.0	1.5
6	5-15kV, ANSI Indoor, HVL Load Interrupter Switchgear	SEESL-2014-11 Rev 4 (UUT4)	4/7/2014	SEESL	1.88 2.10	1 0	1.3 1.0	3.5 1.0	1.5
7	5-15kV, ANSI Indoor, Non Walk-in Masterclad/HVL Switchgear	70081R12 Rev A (UUT1)	5/1/2012	Wyle -(NTS Huntsville)	2.12 3.60	1 0	1.3 1.0	3.5 1.0	1.5
8	5-15kV, ANSI Outdoor, Non Walk-in Masterclad/HVL Switchgear	PEER-STI/2014-04R Rev01 (UUT1)	2/7/2014	PEER	1.88 2.70	1 0	1.3 1.0	3.5 1.0	1.5
9	15kV Main & Feeder Masterclad Switchgear	TR241399-01-R1 (UUT2)	3/29/2024	ETL	1.86 2.98	1 0	1.3 1.0	3.5 1.0	1.5

## UUT 1

Test Report# TR251718-01-R0 (UUT2)

**Manufacturer:** Schneider Electric  
**Model Line:** SureSeT  
**Description:** 2-Section SureSeT Outdoor 15kV MV Switchgear  
**Order Number:** 50711633-20

Highest Passed Test Level								
S <sub>DS</sub>	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
1.80	1.0	1.3	3.5	1.5	2.88	1.93	1.57	0.63
2.35	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
110	52	107	8250

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
18.8	3.5	>33.3

Building Codes	Test Criteria	Construction/Option Summary
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CBC 2025

ICC-ES AC156-24

ANSI outdoor, non walk-in enclosure constructed of carbon steel. Consists of a 26" wide x 110" deep 2kA/2kA Feeder Section weighing 4,293 lbs. (UUT-1a), connected to a 26" wide x 110" deep 1200A/1200A Feeder Section weighing 3,957 lbs. (UUT-1b).

UUT Mounting Details:	List of Included Subcomponents
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UUT was rigid base mounted using (8) 1/2" Grade 8 hex bolts and flat washers torqued to 65 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.

Description (Manufacturer)	Model #
EvoPact Breaker (Schneider)	EVNAS141NNNNNNNCCCN
EvoPact Breaker (Schneider)	EVNAS241N1YYNNNNNCCCC
EvoPact Breaker (Schneider)	EVNAS24241NYNNNNNCCCC
Current Transformer (Amran)	CT347-302-01
Current Transformer (Amran)	CT347-152-01
Power Meter (Schneider)	PM5500
Protective Relay (Schneider)	P5F30-EECE-GAAAH-AAFK
Protective Relay (Schneider)	P3F30-CGAAA-DAENA-BBAAA
Protective Relay (Schneider)	V321A-BBGAD-DDGAA-B1
Protective Relay (Schweitzer)	751A51ACA1A74850100
HMI (Schneider)	HMIST6700
HMI (Schneider)	HMIS5T+HMISTU855
Surge Arrester (GE)	9L20FXX018XHS



## UUT 3

Test Report# TR251767-01-R0 (UUT6)

**Manufacturer:** Schneider Electric  
**Model Line:** SureSeT  
**Description:** SureSeT 1200A MV Switchgear

**Order Number:** 51566639-010

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
92.25	52	91.5	6800

Highest Passed Test Level								
S <sub>DS</sub>	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
1.73	1.0	1.3	3.5	1.5	2.76	1.86	1.56	0.62
2.33	0.0	1.0	1.0					

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
15.9	5.4	>33.3

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	ANSI indoor, non walk-in enclosure constructed of carbon steel. Consists of a 26" wide x 92.25" deep 2kA Main Section weighing 3,480 lbs. (UUT-2a), connected to a 26" wide x 92.25" deep 1200A/1200A Feeder Section weighing 3,320 lbs. (UUT-2b).

### UUT Mounting Details:



UUT was rigid base mounted using (8) 1/2" Grade 5 hex bolts and Belleville washers. 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 (Manufacturer)	Model #
EvoPact Breaker (Schneider)	EVNAS241N1YYNNNNCCCC
EvoPact Breaker (Schneider)	EVNAS24241NYNNNNCCCC
Voltage Transformer (Arteche)	UCI-17 13.8 kV
Control Power Transformer (ITI/GE)	CPTS595151382A
Current Transformer (Amran)	CT347-202-01
Current Transformer (Amran)	CT347-122-01
Power Meter (Schneider)	PM5563
Power Meter (Schneider)	METSEPM8243
Power Meter (Schneider)	METSEPM89M2600
Power Meter (Schneider)	METSEION95030
Protective Relay (Schneider)	P5F30-EECE-GAAAH-BAFK
Protective Relay (Schneider)	P3U30-6AAA2BEAB
UPS (Phoenix Contact)	QUINT4-UPS/ 1AC/1AC/500VA/USB
UPS (Phoenix Contact)	UPS-BAT/VRLA- WTR/24DC/13AH





## UUT 6

Test Report# SEESL-2014-11 Rev 4  
(UUT4)

**Manufacturer:** Schneider Electric  
**Model Line:** HVL  
**Description:** 5-15kV, ANSI Indoor, HVL Load Interrupter Switchgear  
**Order Number:** FO # 34206074-002

Highest Passed Test Level								
S <sub>DS</sub>	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
1.88	1.0	1.3	3.5	1.5	3.00	2.02	1.4	0.56
2.10	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
54.5	76	90	2975

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
15.5	8.9	>33.3

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	ANSI Indoor, non walk-in enclosure constructed of carbon steel. Consists of a 38" wide x 54.5" deep distribution section weighing 1,505 lbs. (UUT-6a), connected to a 38" wide x 54.5" deep distribution section weighing 1,470 lbs. (UUT-6b)

UUT Mounting Details:	List of Included Subcomponents	
	Description (Manufacturer)	Model #
	Switch (Schneider)	44036-340-50
	Switch (Schneider)	44040-803-50
	Surge Suppressor (Simotech)	M3-12.5kV
	Surge Suppressor (Simotech)	M3-4.16kV
	Surge Arrester (GE)	9L20FXX018XHS
	Relay (Schneider)	T87
	Motor Operator (Schneider)	44038-650-50
	2000A Copper Main Bus (Schneider)	N/A

Unit was base mounted using (6) 3/8" Grade 8 bolts with Belleville conical spring washers torqued to 44 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.



## UUT 8

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

**Manufacturer:** Schneider Electric  
**Model Line:** Masterclad/HVL  
**Description:** 5-15kV, ANSI Outdoor, Non Walk-in Masterclad/HVL Switchgear  
**Order Number:** FO# 17-30209756-002

Highest Passed Test Level								
S <sub>DS</sub>	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
1.88	1.0	1.3	3.5	1.5	3.00	2.02	1.8	0.72
2.70	0.0	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	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	ANSIO outdoor, non walk-in enclosure constructed of carbon steel. Consists of a 36" wide x 109" deep Masterclad, 2000A 1-High Distribution Section weighing 4,146 lbs. (UUT-8a), connected to a 48" wide x 109" deep HVL/Masterclad Auxiliary Metering Section weighing 3,554 lbs. (UUT-8b).

UUT Mounting Details:	List of Included Subcomponents	
	Description (Manufacturer)	Model #
	Circuit Breaker (Schneider)	VR-15150-20
	Surge Arrester (GE)	9L20FXX015XHS
	Control Power Transformer (ITI/GE)	CPTS595151242A
	Voltage Transformer (ITI/GE)	PTG52SD02293FFG
	Relay (Schneider)	S24
	Power Meter (Schneider)	S7330A0B0B0E0A0
	Switch (Schneider)	44039-398-52
	2000A Copper Main Bus (Schneider)	N/A

Unit was base mounted using (6) 0.12" by 12" long 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.

