



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 and bus ampacity ratings 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: (F_p/W_p)

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 @ $z/h = 1$

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 09/15/2032

Date: 9/15/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

OSP-0889

BY: Mohammad Karim

DATE: 09/15/2026



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

CBC 2025

TABLE 1

Mounting Configuration: Base Mounted - Rigid

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



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

$S_{DS} = 1.73g$ for $z/h=1, R_\mu=1.3, H_f=3.5$
 $S_{DS} = 2.10g$ for $z/h=0, R_\mu=1.0, H_f=1.0$ $I_p=1.5$

CBC 2025

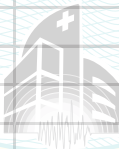
Table Description: Circuit Breakers

EVNA*	EvoPact Breaker; 4.76-15kV, 1
AS24241NYNNNNCCCC	EvoPact Breaker, 15kV
EVNA*	EvoPact Breaker, 4.76-15kV
EVNAS253	EvoPact Breaker, 15kV

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BY: Mohammad Karim

DATE: 09/15/2026





PRE
COMPLIANCE

Pre No. 251767-01-R1

Manufacturer:

Schneider Electric

Product Type: Switchgear – Medium Voltage

Switchgear – Medium Voltage

Model Line: SureSeT

SureSeT

$$\begin{array}{l} S_{DS} = 1.73g \text{ for } z/h=1, R_u=1.3, H_f=3.5 \\ S_{DS} = 2.10g \text{ for } z/h=0, R_u=1.0, H_f=1.0 \end{array} \quad I_p=1.5$$
$$S_{DS} = 1.73g \text{ for } z/h=1, R_u=1.3, H_f=3.5$$

$S_{PS} = 2.10g$ for $z/h=0, R_u=1.0, H_f=1.0$

$I_p=1.5$

CBC 2025

Table Description: Voltage Transformers

[illegible]



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

$$\begin{array}{l} S_{DS} = 1.73g \text{ for } z/h=1, R_u=1.3, H_f=3.5 \\ S_{DS} = 2.10g \text{ for } z/h=0, R_u=1.0, H_f=1.0 \end{array} \quad I_p=1.5$$

CBC 2025

Table Description: Control Power Transformers

BY: Mohammad Karim

DATE: 09/15/2026



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

$S_{DS} = 1.73g$ for $z/h=1, R_\mu=1.3, H_f=3.5$
 $S_{DS} = 2.10g$ for $z/h=0, R_\mu=1.0, H_f=1.0$

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Table Description: Electrical Components

Pre Compliance



Pre No. 251767-01-R1

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SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

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 _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
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

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

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 with 3000A Main pass-through Bus, weighing 3,957 lbs. (UUT-1b).

UUT Mounting Details:



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.

List of Included Subcomponents

Description (Manufacturer)	Model #
EvoPact Breaker (Schneider)	EVNAS141NNNNNNNNCCCN
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 2

Manufacturer: Schneider Electric
Model Line: SureSeT
Description: SureSeT 2000A MV Switchgear

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
92.25	52	91.5	6450

S_{DS}	z/h	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
1.80	1.0	1.3	3.5	1.5	2.88	1.93	1.6	0.64
2.40	0.0	1.0	1.0					

Front-Back	Side-Side	Vertical
13.0	5.3	>33.3

Construction/Option Summary

CBC 2025

ICC-ES AC156-24

ANSI indoor enclosure constructed of carbon steel. Consists of a 26" wide x 92.25" deep 2kA Main Section weighing 3,090 lbs. (UUT-2a), connected to a 26" wide x 92.25" deep 2000A/2000A Feeder Section weighing 3,360 lbs. (UUT-2b).

UUT Mounting Details:

List of Included Subcomponents

[illegible]

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.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

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 _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
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

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

ANSI indoor 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 4

Manufacturer: Schneider Electric
Model Line: Masterclad
Description: 5-15kV, ANSI Outdoor, Non Walk-in Masterclad Switchgear
Order Number: FO# 34089617-006

		Highest Passed Test Level						
S_{DS}	z/h	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
1.92	1.0	1.3	3.5	1.5	3.07	2.06	1.41	0.56
2.11	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
109	36	109	4240

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
13.9	7.5	22.0

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	ANSI outdoor, non walk-in enclosure constructed of carbon steel.

Unit was base mounted using (4) 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.



UUT 5

Manufacturer: Schneider Electric
Model Line: Masterclad
Description: 27kV, ANSI Outdoor, Non Walk-in
 Masterclad Switchgear
Order Number: FO# 34089617-001

Highest Passed Test Level								
S_{DS}	z/h	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
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.)
127	72	109	9690

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
10.3	5.1	16.0

Test Criteria

CBC 2025

ICC-ES AC156-24

ANSI outdoor, non walk-in enclosure constructed of carbon steel. Consists of a 36" wide x 127" deep Masterclad Distribution Section weighing 4,692 lbs. (UUT-5a), connected to a 36" wide x 127" deep Masterclad, 2000A 1-High, Distribution Section weighing 4,998 lbs. (UUT-5b).

UUT Mounting Details:

List of Included Subcomponents

[illegible]

Unit was 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.



UUT 6

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

S_{DS}	z/h	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
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					

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

Front-Back	Side-Side	Vertical
15.5	8.9	>33.3

Construction/Option Summary

ICC-ES AC156-24

ANSI Indoor 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)

List of Included Subcomponents



6b

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

Pre Compliance



UUT 8

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 _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
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

Test Criteria

Construction/Option Summary

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

[illegible]

Pre Compliance

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UUT 9

Manufacturer:	Schneider Electric
Model Line:	Masterclad
Description:	15kV Main & Feeder Masterclad Switchgear
Order Number:	201900911-001

Highest Passed Test Level								
S_{DS}	z/h	R_μ	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
1.86	1.0	1.3	3.5	1.5	2.98	2	1.99	0.8
2.98	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
91	72	95	5979

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
6.49	6.97	9.15

UUT Mounting Details: List of Included Subcomponents

[illegible]

Unit was base mounted using (9) 1/2"-13 Grade 5 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.



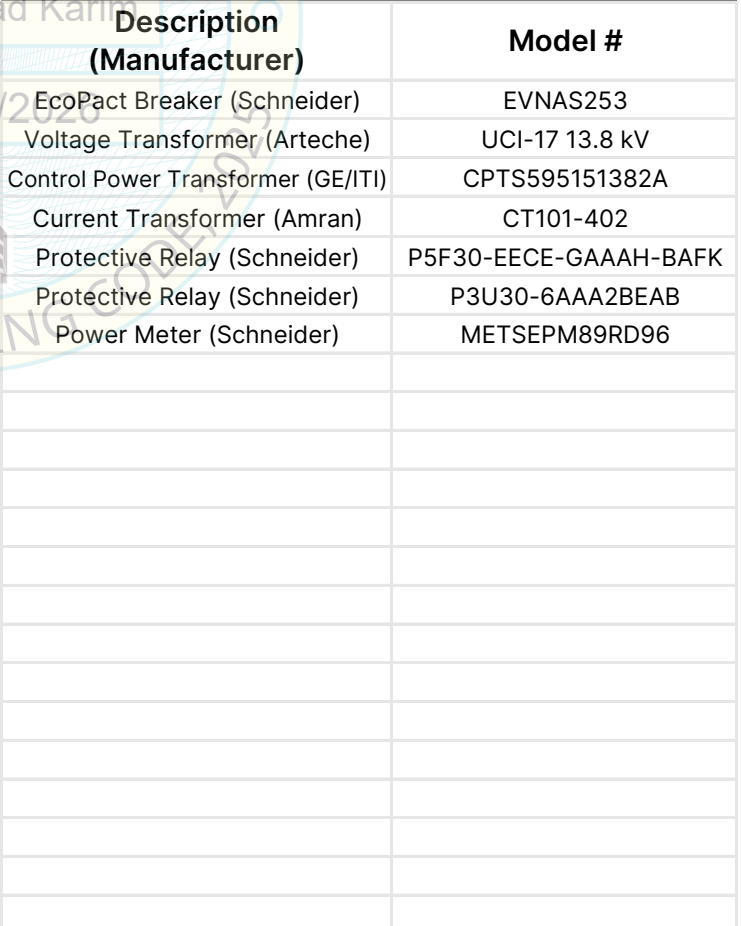
UUT 10

Manufacturer: Schneider Electric
Model Line: SureSeT
Description: 2-Section SureSeT Indoor 15kV MV Switchgear
Order Number: V-KP-CU-002

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
7.1	6	25.6

ANSI indoor enclosure constructed of carbon steel. Consists of a 36" wide x 92.25" deep 3kA Main Section weighing 4,300 lbs. (UUT-10a), connected to a 36" wide x 92.25" deep 2000A/2000A Feeder Section w/3000A bussing weighing 5,112 lbs. (UUT-10b).

List of Included Subcomponents



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