APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0713

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: Digital Power Panels

Product Model Number(s): Varies. See Attachment

Product Category: Industrial Control Panels

Product Sub-Category: Building Automation and Security Systems

General Description: Wall Mounted UL508A Power Metering & Control Panels - 600V & below

Mounting Description: Wall 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: 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=	3.29	(A Rig-H), g=	2.21
Vertical	(A Flx-V), g=	1.78	(A Rig-V), g=	0.71

S_{DS} (Design spectral response acceleration at short period, g) = 2.06 (z/h = 1.0); 2.66 (z/h = 0.0)

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

Ru (Structure ductility redution 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 10/13/2032

Date: 10/13/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Manufacturer: Schneider Electric
Product Type: Control Panels
Model Line: Digital Power Panels

Seismic Parameters		Building Codes
S_{DS} = 2.06g for z/h=1,R_μ=1.3,H_f=3.5 S_{DS} = 2.66g for z/h=0,R_μ=1.0,H_f=1.0	I_p=1.5	CBC 2025

TABLE 1

Mounting Configuration: Wall Mounted - Rigid

Construction Summary

Carbon steel enclosure

Options Summary

See Table 2 for a full list of optional subcomponents

Model Line	Model	Max. Dimensions (in) D	W	H	Wt. (lb)	Notes	UUT
Digital Power Panels	9761E8000R1Z	9	16	20	49		4
	...	...	...	...	...		Interp.
	9761HC7650R0B1B1A	13	36	36	240		5
	...	13	39.6	39.6	240		Extrap.

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SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENTS

Manufacturer: Schneider Electric
Product Type: Control Panels
Model Line: Digital Power Panels

Seismic Parameters		Building Codes
S_{DS} = 2.06g for z/h=1,R_μ=1.3,H_f=3.5 S_{DS} = 2.66g for z/h=0,R_μ=1.0,H_f=1.0	I_p=1.5	CBC 2025

TABLE 2

Table Description: Panel Subcomponents

Component	Manufacturer	Model	Description	UUT
Enclosures	Saginaw Control & Engineering	SCE-20EL1608LP	NEMA 12, Carbon Steel Enclosure	4
		SCE-*	...	Interp.
		SCE-36N2412LP	NEMA 1, Carbon Steel Enclosure	6
		SCE-36EL3612LP	NEMA 12, Carbon Steel Enclosure	5
Power Meters	Schneider Electric	METSEPM5563RD	PM5563 Power Meter	5
		PM8244	PM8244 Power Meter w/ Remote Display	4
		METSEION95030	ION9000 Power Meter	5
		...	...	Interp.
		S7650T0C0B6E0A0A	ION7650 Transducer Meter	5
Control Power Transformers	Schneider Electric	9070T100D32	100VA w/o fuses; Class 9070	4
		9070T*	100VA - 500VA w/o fuses; Class 9070	Interp.
		9070T500D50	500VA w/o fuses; Class 9070	5
Voltage Transformer	Schneider Electric	460R-288	Voltage Transformer 2.4:1 Ratio	5
Power Supplies	Schneider Electric	ABL7 RE2402	48W, 24VDC	5
	PULS	ML50.100	50W, 1PH, 24VDC	5
	IDEC	PS5R-A24	7.5W, 24VDC	4
	Phoenix Contact	2866763	24VDC, 240W	5,6
UPS	Sola	SDU500-A	500VA, 120VAC Line & Load	5
Circuit Breakers	Schneider Electric	24442	1A, 2P Multi9 - C60 Circuit Breaker	4
		QOU115	15A, 1P, 120/240 VAC, 10kA	6
		M9F42102	2A, 1P, Multi 9	6
		M9F42105	5A, 1P, Multi 9	6
Display	Powerlogic	S765RD	Remote Display Touchscreen	5
Fusible Disconnect Switch	Bussman	CCP-3-30CC	Load Break 3P Fusible Disconnect Switch	5
		CCP-1-30CC	Load Break 1P Fusible Disconnect Switch	4,5
		CCP-3-30CC	Load Break 3P Fusible Disconnect Switch	5
Shorting Block	Bussman	KUXSC8S2644	8-Pole Screw Type Shorting Block	4
Relays	Sola	SDUCFRELAYCARD	Dry Contact Relay for SDU Series UPS	5
	Phoenix Contact	2967086	Relay Module, PLC-BSC 120UC/21-21	5
	Schneider Electric	RPM12BD	24VDC, 15A, 1CO, Plug-in Relay	6
		RPM42F7	120VAC, 15A, 250 VAC Power, Plug-in Relay	5
		RPM32BD	24VDC; 15A, 250VAC Power, Plug-in Relay	4
		8501RS44V20	Plug-in Relay, Type R, 1 HP	4
		8501RS14V20	Plug-in Relay, Type R, 0.5 HP	4

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SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENTS

Manufacturer: Schneider Electric
Product Type: Control Panels
Model Line: Digital Power Panels

Seismic Parameters		Building Codes
S_{DS} = 2.06g for z/h=1,R_μ=1.3,H_f=3.5 S_{DS} = 2.66g for z/h=0,R_μ=1.0,H_f=1.0	I_p=1.5	CBC 2025

TABLE 2

Table Description: Panel Subcomponents

Component	Manufacturer	Model	Description	UUT
Terminal Jumper	Phoenix Contact	3030213	Terminal Jumper 10 Pole	4,5
Voltage Transducer	Phoenix Contact	2906242	DC to DC Voltage Transducer	5
Fuses	Bussman	FNQ-R-7	7A Class CC Rejection Type Fuse	5
		FNQ-R-3	3A Class CC Rejection Type Fuse	5
		FNQ-R-5	5A Class CC Rejection Type Fuse	4,5
Fuses	Bussman	LP-CC-2	2A Class CC Rejection Type Fuse	5
		FNQ-R-1	1A Class CC Rejection Type Fuse	4
		FNQ-R-3/4	0.75A Class CC Rejection Type Fuse	4
Fuse Holders	Bussman	CHCC2DU	2P Modular Fuse Holder	4,5
		CHCC1DU	1P Modular Fuse Holder	5
Terminal Blocks	Phoenix Contact	3211867	Ground Terminal Block	4,5
		3211799	Single Tier Terminal Block	4,5
		3209604	Two Tier Terminal Block	4,5
	Schneider Electric	BMXFTB2010	Modicon M340 Removable Screw Clamp Terminal Block, 20 pins	6
Relays/Controllers	Schneider Electric	BMXP342020	PLC Processor Module M340, All-in-One CPU	6
		BMXCPS2010	Power Supply Module, Modicon X80	6
		BMXDRA1605	Discrete Output Module, Modicon X80, 16 NO Relay Outputs, 24-240 VAC; 24-48 VDC	6
		BMXDDI1602	Discrete Input Module, M340, 16 Inputs, 24 VDC Sink	6
HMI	Schneider Electric	HMIGTO6310	Touchscreen Panel HMI, Harmony GTO 12.1" TFT	6
	Wonderware	TPCE24S2FMXU-VPI	Touchscreen HMI	8
Ethernet Switch	N-Tron	108TX-MDR	Ethernet Switch, 8 Copper Ports, 10/100	6

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SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

UUT	Model	Test Report	Test Date	Test Laboratory	S_{DS}	z/h	R_μ	H_f	I_p
4	PM8000 Power Meter Panel (9761E8000R1Z)	2100568-TR-001-R0	6/22/2021	SEESL	2.06 2.66	1 0	1.3 1.0	3.5 1.0	1.5
5	ION 7650 Power Meter Panel (9761HC7650R0B1B1A)	2100568-TR-001-R0	6/22/2021	SEESL	2.06 2.66	1 0	1.3 1.0	3.5 1.0	1.5
6	Digital Power Control Panel w/ PLC & Relays (45188769-001)	TR251814-01-R0 (UUT10)	11/24/2025	UNR	2.22 3.05	1 0	1.3 1.0	3.5 1.0	1.5
8	CEP0102	TR231016-01-R0 (UUT3)	6/29/2023	SEESL	2.24 3.15	1 0	1.3 1.0	3.5 1.0	1.5

Notes:

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SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 4

Test Report# 2100568-TR-001-R0

Manufacturer: Schneider Electric
Model Line: Digital Power Panels
Model Number: 9761E8000R1Z
Serial Number: 42371407-278

Highest Passed Test Level

S_{DS} (g)	z/h	R_μ	H_f	I_p	A_{flx-h} (g)	A_{rig-h} (g)	A_{flx-v} (g)	A_{rig-v} (g)
2.06	1.0	1.3	3.5	1.5	3.29	2.21	1.78	0.71
2.66	0.0	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
9	16	20	49

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

NEMA Type 12, Carbon steel enclosure

UUT Mounting Details:



UUT was rigid wall mounted using (4) 3/8" 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(Manufacturer)	Model #
Enclosure (Saginaw)	SCE-20EL1608LP
Power Meter (Schneider)	PM8244
CPT (Schneider)	9070T100D32
Power Supply (IDEC)	PS5R-A24
Circuit Breaker (Schneider)	24442
Fusible Disconnect (Bussman)	CCP-1-30CC
Shorting Block (Bussman)	KUXSC8S2644
Relays (Schneider)	RPM32BD
	8501RS44V20
	8501RS14V20
Terminal Jumper (Phoenix Contact)	3030213
Fuses (Bussman)	FNQ-R-1
	FNQ-R-5
	FNQ-R-3/4
Fuse Holder (Bussman)	CHCC2DU
Terminal Blocks (Phoenix Contact)	3211799
	3209604
	3211867

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SPECIAL SEISMIC CERTIFICATION
UUT SUMMARY

UUT 5

Test Report# 2100568-TR-001-R0

Manufacturer: Schneider Electric
Model Line: Digital Power Panels
Model Number: 9761HC7650R0B1B1A
Serial Number: 41761596-040

Highest Passed Test Level

S_{DS} (g)	z/h	R_μ	H_f	I_p	A_{flx-h} (g)	A_{rig-h} (g)	A_{flx-v} (g)	A_{rig-v} (g)
2.06	1.0	1.3	3.5	1.5	3.29	2.21	1.78	0.71
2.66	0.0	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
13	36	36	240

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

NEMA Type 12, Carbon steel enclosure

UUT Mounting Details:



UUT was rigid wall mounted using (4) 3/8" 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 (Manufacturer)	Model #
Enclosure (Saginaw)	SCE-36EL3612LP
Power Meters (Schneider)	METSEPM5563RD
	METSEION95030
	S7650T0C0B6E0A0A
CPT (Schneider)	9070T500D50
VT (Schneider)	460R-288
Power Supply (Schneider)	ABL7 RE2402
Power Supply (PULS)	ML50.100
Power Supply (Phoenix Contact)	2866763
UPS (Sola)	SDU500-A
Display (Powerlogic)	S765RD
Fusible Disconnects (Bussman)	CCP-3-30CC, CCP-1-30CC
Relay (Sola)	SDUCFRELAYCARD
Relay (Phoenix Contact)	2967086
Relay (Schneider)	RPM42F7
Terminal Jumper (Phoenix Contact)	3030213
Voltage Transducer (Phoenix Contact)	2906242
Voltage Transducer (Phoenix Contact)	2906242
Fuses (Bussman)	LP-CC-2
	FNQ-R-1
	FNQ-R-3/4
Fuse Holder (Bussman)	CHCC2DU
	CHCC1DU
Terminal Blocks (Phoenix Contact)	3211799
	3209604
	3211867

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SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 6

Test Report# TR251814-01-R0 (UUT10)

Manufacturer: Schneider Electric
Model Line: Digital Power Panels
Model Number: Digital Power Control Panel
Serial Number: 45188769-001

Highest Passed Test Level

S_{DS} (g)	z/h	R_μ	H_f	I_p	A_{flx-h} (g)	A_{rig-h} (g)	A_{flx-v} (g)	A_{rig-v} (g)
2.22	1.0	1.3	3.5	1.5	3.55	2.39	2.04	0.82
3.05	0.0	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
13	24	36	105

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

NEMA Type 1, Carbon steel enclosure

UUT Mounting Details:



UUT was rigid wall mounted using (4) 3/8" 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 (Manufacturer)	Model #
Enclosure (Saginaw)	SCE-36N2412LP
Power Supply (Phoenix Contact)	2866763
Circuit Breakers (Schneider)	QOU115
	M9F42102
	M9F42105
Relay (Schneider)	RPM12BD
Terminal Block (Schneider)	BMXFTB2010
Relays/Controllers (Schneider)	BMXP342020
	BMXCPS2010
	BMXDRA1605
	BMXDDI1602
HMI (Schneider)	HMIGTO6310
Ethernet Switch (Schneider)	108TX-MDR

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SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 8

Test Report# TR231016-01-R0 (UUT3)

Manufacturer: ASCO Power Technologies LP
Model Line: Power Control Systems (PCS)
Model Number: CEP0102
Serial Number: N/A

Highest Passed Test Level

S_{DS} (g)	z/h	R_μ	H_f	I_p	A_{flx-h} (g)	A_{rig-h} (g)	A_{flx-v} (g)	A_{rig-v} (g)
2.24	1.0	1.3	3.5	1.5	3.58	2.41	2.11	0.85
3.15	0.0	1.0	1.0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
10	26	35	160

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

NEMA Type 1, Carbon steel enclosure

UUT Mounting Details:



UUT was rigid wall mounted using (4) 3/8" 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 (Manufacturer)	Model #
Power Supply (Phoenix Contact)	2866763
UPS (APC)	SMT750c
Touchscreen HMI (Wonderware)	TPCE24S2FMXU-VPI
Box PC (QMATION)	Q-WW-E-2020R2-BOX-5KW10
Multi 9 Miniature Circuit Breaker, 20A (Schneider)	M9F42120
Multi 9 Miniature Circuit Breaker, 15A (Schneider)	M9F42115
Multi 9 Miniature Circuit Breaker, 7A (Schneider)	M9F42107
Power Relay (IDEC)	RH2B-ULDC24V
Panel Alarm (Mallory)	219527-001
Pushbutton (Schneider)	XB4BW34B5

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