



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-0919

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: Mini Power Zone

Product Model Number(s): Varies. See Attachment

Product Category: Transformers

Product Sub-Category: Transformers – Dry Type

General Description: Mini Power-Zone Unit Substations include primary & main circuit breakers, sealed step-down transformer, and distribution panelboard interior.

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: APPLIED TECHNICAL SERVICES, INC. (ATS)

Contact Person: David Common

Mailing Address: 1049 Triad Court, Marietta GA 30062

Telephone: (888) 287-5227

Email: davidc@atslab.com

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= 3.40 (A Rig-H), g= 2.29

Vertical (A Flx-V), g= 1.94 (A Rig-V), g= 0.78

SDS (Design spectral response acceleration at short period, g) = 2.90 @ z/h = 0; 2.13 @ 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 10/8/2032

Date: 10/8/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

OSP-0919

BY: Mohammad Karim

DATE: 10/08/2026

Manufacturer: Schneider Electric
Product Type: Transformers – Dry Type
Model Line: Mini Power Zone

Seismic Parameters
 $S_{DS} = 2.13g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$
 $S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$ $I_p=1.5$

Building Codes
CBC 2025

TABLE 1

Mounting Configuration: Wall Mounted - Rigid

Construction Summary

NEMA 3R carbon steel enclosures with powder coated finish. Encapsulated (resin filled) core with copper coils.

Options Summary

Panelboard interior main and secondary circuit breakers.

Model Line	kVA	Model Number	Style #	Max. Dimensions (in)			Wt (lb)	Notes	UUT
				D	W	H			
MPUB & MPZB, 1Ø	3	MPUB3S40F	MPUB-AA	11.75	16	43.2	137		Interp.
		MPUB3S40FSS	MPUB-AA	11.75	16	43.2	137		Interp.
		MPUB3S40FG	MPUB-AA	11.75	16	43.2	137		Interp.
		MPUB3S40FJ	MPUB-AA	11.75	16	43.2	137		Interp.
	5	MPZB5S40F	AA	11.9	16	41	175		Interp.
		MPZB5S40F25K	AA	11.9	16	41	175		Interp.
		MPZB5S40F65K	AA	11.9	16	41	175		Interp.
		MPUB5S40F	MPUB-AA	11.75	16	43.2	187		Interp.
		MPUB5S40FSS	MPUB-AA	11.75	16	43.2	187		Interp.
		MPUB5S40FG	MPUB-AA	11.75	16	43.2	187		Interp.
		MPUB5S40FJ	MPUB-AA	11.75	16	43.2	187		Interp.
		MPZB7S40F	AA	11.9	16	41	200		Interp.
	7.5	MPZB7S40F25K	AA	11.9	16	41	200		Interp.
		MPZB7S40F65K	AA	11.9	16	41	200		Interp.
		MPUB7S40F	MPUB-AA	11.75	16	43.2	207		Interp.
		MPUB7S40FSS	MPUB-AA	11.75	16	43.2	207		Interp.
		MPUB7S40FG	MPUB-AA	11.75	16	43.2	207		Interp.
		MPUB7S40FJ	MPUB-AA	11.75	16	43.2	207		Interp.
		MPZB10S40F	AA	11.9	16	41	215		Interp.
		MPZB10S40F25K	AA	11.9	16	41	215		Interp.
	10	MPZB10S40F65K	AA	11.9	16	41	215		Interp.
		MPUB10S40F	MPUB-AA	11.75	16	43.2	237		Interp.
		MPUB10S40FSS	MPUB-AA	11.75	16	43.2	237		Interp.
		MPUB10S40FG	MPUB-AA	11.75	16	43.2	237		Interp.
		MPUB10S40FJ	MPUB-AA	11.75	16	43.2	237		Interp.
		MPZB15S40F	BB	13.5	21.4	51	390		Interp.
		MPZB15S40F25K	BB	13.5	21.4	51	390		Interp.
		MPZB15S40F65K	BB	13.5	21.4	51	390		Interp.
	15	MPUB15S40F	MPUB-BB	13.5	27.4	51	367		Interp.
		MPUB15S40FSS	MPUB-BB	13.5	27.4	51	367		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Manufacturer: Schneider Electric
Product Type: Transformers – Dry Type
Model Line: Mini Power Zone

Seismic Parameters
 $S_{DS} = 2.13g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$
 $S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$ $I_p=1.5$

Building Codes
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Options Summary

Panelboard interior main and secondary circuit breakers.

Model Line	kVA	Model Number	Style #	Max. Dimensions (in)			Wt (lb)	Notes	UUT
				D	W	H			
MPUB & MPZB, 10	15	MPUB15S40FG	MPUB-BB	13.5	27.4	51	367		Interp.
		MPUB15S40FJ	MPUB-BB	13.5	27.4	51	367		Interp.
	25	MPUB25S40F	MPUB-BB	13.5	27.4	51	442		Interp.
		MPUB25S40FSS	MPUB-BB	13.5	27.4	51	442		Interp.
		MPUB25S40FG	MPUB-BB	13.5	27.4	51	442		Interp.
		MPUB25S40FJ	MPUB-BB	13.5	27.4	51	442		Interp.
		MPZB25S40F	BB	13.5	21.4	51	470		1
		MPZB25S40F25K	BB	13.5	21.4	51	470		Interp.
		MPZB25S40F65K	BB	13.5	21.4	51	470		Interp.
MPUB, MPUE, & MPZB, 30	15	MPZB15T2F	CC	13.6	27.4	51	510		Interp.
		MPZB15T2F25K	CC	13.6	27.4	51	510		Interp.
		MPZB15T2F65K	CC	13.6	27.4	51	510		Interp.
		MPUB15T2F	MPUB-CC	13.5	27.4	51	541		Interp.
		MPUB15T2FSS	MPUB-CC	13.5	27.4	51	541		Interp.
		MPUB15T2FG	MPUB-CC	13.5	27.4	51	541		Interp.
		MPUB15T2FJ	MPUB-CC	13.5	27.4	51	541		Interp.
		MPUE15T1816T2F	MPUB-CC	13.5	27.4	51	541		Interp.
		MPUE15T1816T2FSS	MPUB-CC	13.5	27.4	51	541		Interp.
		MPUE15T1816T2FG	MPUB-CC	13.5	27.4	51	541		Interp.
		MPUE15T1816T2FJ	MPUB-CC	13.5	27.4	51	541		Interp.
	22.5	MPZB22T2F	CC	13.6	27.4	51	670		Interp.
		MPZB22T2F25K	CC	13.6	27.4	51	670		Interp.
		MPZB22T2F65K	CC	13.6	27.4	51	670		Interp.
		MPUB22T2F	MPUB-CC	13.5	27.4	51	701		Interp.
		MPUB22T2FSS	MPUB-CC	13.5	27.4	51	701		Interp.
		MPUB22T2FG	MPUB-CC	13.5	27.4	51	701		Interp.
		MPUB22T2FJ	MPUB-CC	13.5	27.4	51	701		Interp.
	25	MPUB30T2F	MPUB-CC	13.6	27.4	51	701		3
		MPUB30T2FSS	MPUB-CC	13.5	27.4	51	726		Interp.
		MPUB30T2FG	MPUB-CC	13.5	27.4	51	726		Interp.



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

CBC 2025

TABLE 1

Mounting Configuration: Wall Mounted - Rigid

Panelboard interior main and secondary circuit breakers.

1. Difference between MPZB and MPUB is main breaker location within panel (top vs. side).
2. MPUE is the same construction as MPUB but uses E-frame breakers

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Manufacturer: Schneider Electric
Product Type: Transformers – Dry Type
Model Line: Mini Power Zone

Seismic Parameters
 $S_{DS} = 2.13g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$
 $S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$ $I_p=1.5$

Building Codes
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TABLE 2

Table Description: Circuit Breakers

Component (Manufacturer)	Model	Description	Notes	UUT
B-Frame Molded Case Circuit Breakers (Square D by Schneider Electric)	B*	15A-100A, 480-600 V, 2P-3P		Interp.
F-Frame Molded Case Circuit Breakers (Square D by Schneider Electric)	F*	15A-100A, 480 V, 2P-3P		Interp.
	FAL34090	90A, 480 V, 3P		2
	FAL24100	100A, 480V, 2P		1
H-Frame Molded Case Circuit Breakers (Square D by Schneider Electric)	H*	15A-100A, 480-600 V, 2P-3P		Interp.
	HDL36090	90A, 600V, 3P		3
E-Frame Bolt-on Miniature Circuit Breakers (Square D by Schneider Electric)	E*	15A-125A, 480/277 V, 1P-3P		Interp.
QO Bolt-on Miniature Circuit Breakers (Square D by Schneider Electric)	QOB*	15A-125A, 120/240 V, 1P-3P		Interp.
	QOB2125	125A, 120/240V, 2P		1
	QOB3100	100A 120/240 V, 3P		2,3



SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY



UUT 1

Manufacturer: Schneider Electric
Model Line: Mini Power Zone
Model Number: MPZB25S40F
Serial Number: 33241870-011-01
Function: Mini Electrical Substation

S_{DS}	z/h	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.43	1.0	1.3	3.5	1.5	3.88	2.61	2.11	0.85
3.16	0.0	1.0	1.0					

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
13.5	21.4	51	470

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

CBC 2025

ICC-ES AC156-24

NEMA 3R carbon steel enclosures with powder coated finish. Encapsulated (resin filled) core with copper coils.

Model

25 kVA

BB

FAL24100

QOB2125

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 2

Manufacturer: Schneider Electric
Model Line: Mini Power Zone
Model Number: MPZB30T2F
Serial Number: 33241870-009-01
Function: Mini Electrical Substation

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}
2.25	1.0	1.3	3.5	1.5	3.60	2.42	1.99	0.80
2.98	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
13.6	27.4	51	750

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

[illegible]

Pre Compliance



UUT 3

Manufacturer: Schneider Electric
Model Line: Mini Power Zone
Model Number: MPUB30T2F
Serial Number: 6525453MPZ00011
Function: Mini Electrical Substation

S_{DS}	z/h	R_{μ}	H_f	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.13	1.0	1.3	3.5	1.5	3.40	2.29	1.94	0.78
2.90	0.0	1.0	1.0					

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
13.6	27.4	48.6	701

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

CBC 2025

ICC-ES AC156-24

NEMA 3R carbon steel enclosures with powder coated finish. Encapsulated (resin filled) core with copper coils.

(Schneider Electric)

Core & Coil - 3 PH Cu	30 kVA
Enclosure - NEMA 3R	MPUB-CC
Molded Case Circuit Breaker, 600V, 90A, 3P	HDL36090
Miniature Circuit Breaker, 120V/240V, 100A, 3P	QOB3100

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