



**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-0017

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Eaton Corporation

Manufacturer's Technical Representative: Alberto Moreno

Mailing Address: Av. Hermanos Escobar 7014, Parque Industrial Omega, Juarez, Juarez 32341

Telephone: (52656) 227-0400

Email: albertosandovalmoreno@eaton.com

Product Information

Product Name: LV Mini-Power Centers

Product Model Number(s): See attachments

Product Category: Transformers

Product Sub-Category: Transformers – Dry Type

General Description: Encapsulated dry-type transformers with integrated breakers.

Mounting Description: Wall Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

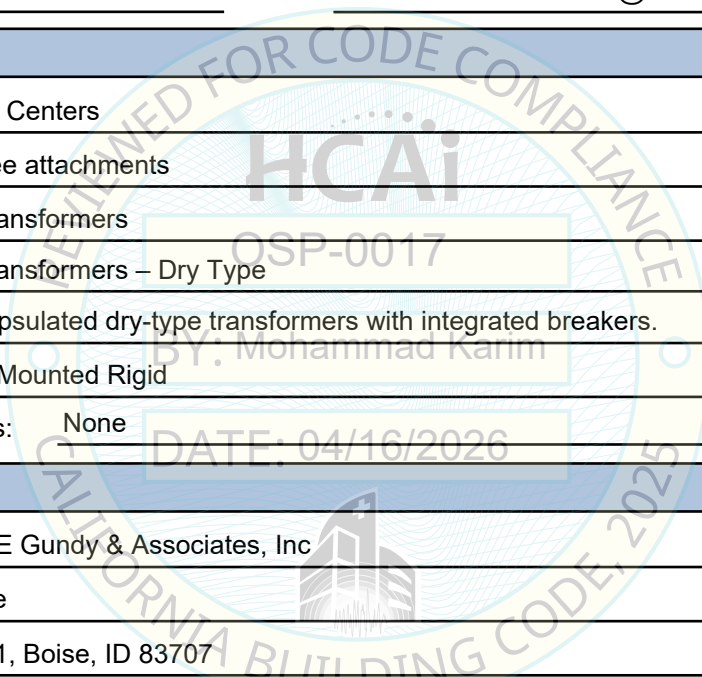
Contact Person: Travis Soppe

Mailing Address: PO Box 9121, Boise, ID 83707

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President





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

Company Name: W.E. GUNDY & ASSOCIATES INC.

Name: Travis Soppe California License Number: S6115

Mailing Address: P.O. Box 9121, Boise, ID 83707

Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Certification Method

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

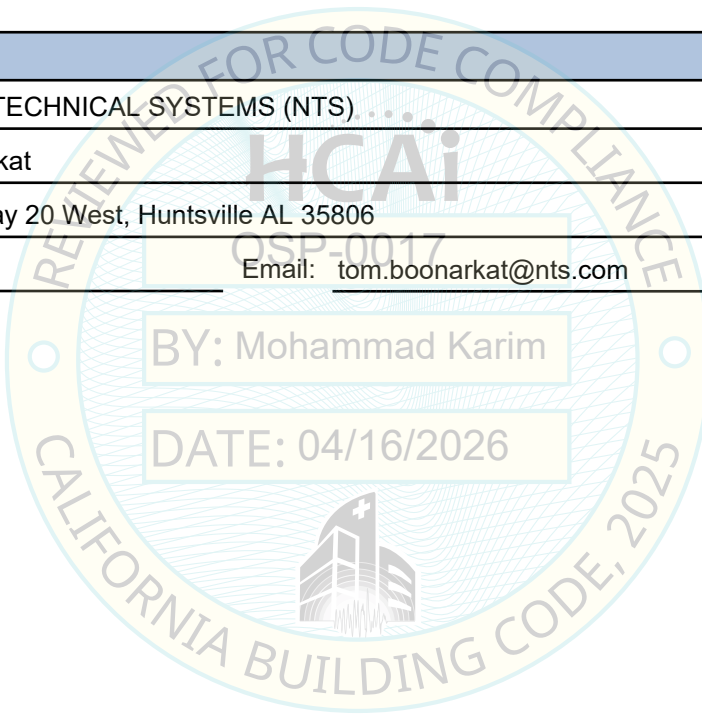
Testing Laboratory

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Tom Boonarkat

Mailing Address: 7800 Highway 20 West, Huntsville AL 35806

Telephone: (256) 837-4411 Email: tom.boonarkat@nts.com





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal (A Flx-H), $g = \underline{4.0}$ (A Rig-H), $g = \underline{2.69}$

Vertical (A Flx-V), $g = \underline{1.68}$ (A Rig-V), $g = \underline{0.68}$

SDS (Design spectral response acceleration at short period, g) = 2.5 @ $z/h = 0$; 2.5 @ $z/h = 1$

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 04/16/2032

Date: 4/16/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0017

BY: Mohammad Karim

DATE: 04/16/2026

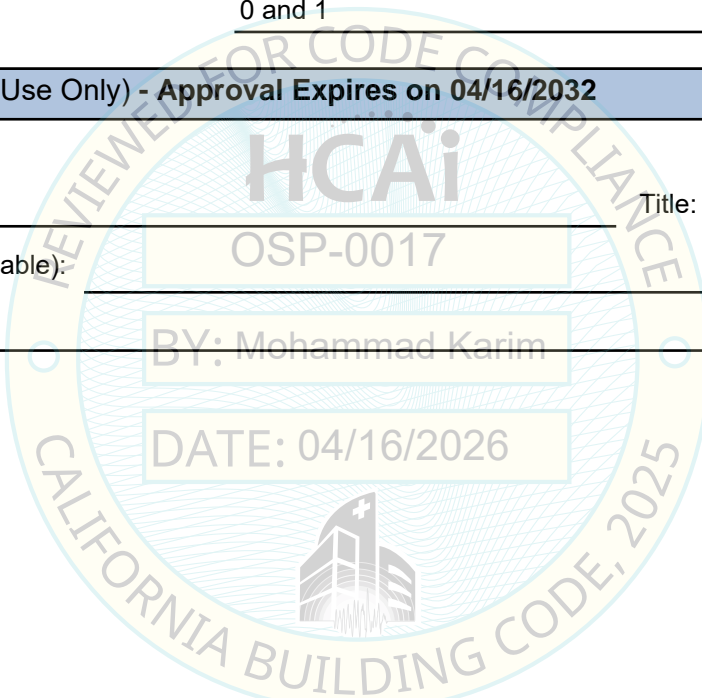


TABLE 1	EATON LV MINI POWER CENTERS SEISMIC CERTIFIED PRODUCT LINE MATRIX	
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Identification ¹	kVA Rating	Winding Material	NEMA Rating ²	Dimensions (in)			Max Weight (lbs)	UUT ³
				Width	Depth	Height		
P03100 (FR283)	3	AL	3R	12.8	9.8	27.5	136	UUT_w-3
P03106 (FR306)	3	CU	3R	12.8	9.8	33.3	140	UUT_w-4
PxxXxxS03xxXxxXXX	3	CU / AL	3R, 4, 12	12.8	9.8	33.3	140	interpolated
PxxXxxS05xxXxxXXX	5	CU / AL	3R, 4, 12	12.6	9.8	36.1	174	interpolated
PxxXxxS07xxXxxXXX	7.5	CU / AL	3R, 4, 12	12.6	9.8	36.1	184	interpolated
PxxXxxS10xxXxxXXX	10	CU / AL	3R, 4, 12	13.5	11.9	40.9	258	interpolated
PxxXxxS15xxXxxXXX	15	CU / AL	3R, 4, 12	15.0	11.9	43.9	273	interpolated
P43G11S15X	15	AL	3R	11.5	14.8	44.0	444	UUT_x-36
PxxXxxS25xxXxxXXX	25	CU / AL	3R, 4, 12	20.5	14.9	43.5	562	interpolated
P60G11S25CUB	25	CU	3R	20.5	14.9	43.5	562	UUT_z-11
PxxXxxT15xxXxxXXX	15	CU / AL	3R, 4, 12	31.5	9.4	34.3	412	interpolated
PxxXxxT21xxXxxXXX	22.5	CU / AL	3R, 4, 12	32.6	13.6	39.1	560	interpolated
P48G22T30	30	AL	3R	32.8	13.3	40.3	630	UUT_y-42
PxxXxxT30xxXxxXXX	30	CU / AL	3R, 4, 12	32.8	13.3	40.3	664	interpolated
P60G28T30CU	30	CU	3R	33.4	13.4	40.3	664	UUT_z-12

General Notes:

¹ The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component with the tested units.

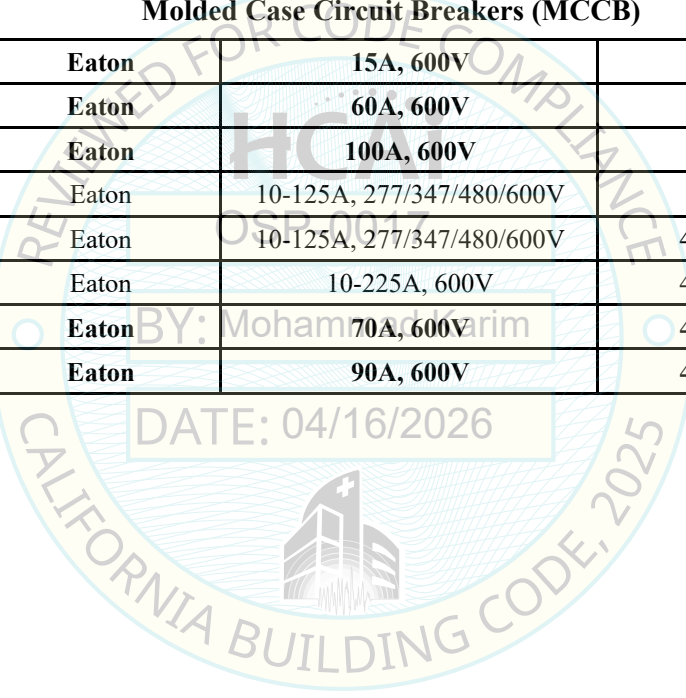
² All enclosures are constructed of carbon steel. NEMA 4, 12 enclosures are identical to NEMA 3R with the inclusion of a gaskets for cover seams.

³ Subscript indicates the test report in which the units were qualified:
w - 70282R12 / x - 71272R13 / y - PR32162-TR-14 / z - PR041213-TR-16

SEISMIC CERTIFICATION LIMITS - I_p = 1.5								
CODE	S _{DS} (g)	z / h	H _f	R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2025	2.50	1.0	3.5	1.3	4.00	2.69	-	-
		0.0	1.0	1.0	-	-	1.68	0.68

TABLE 2	EATON LV MINI POWER CENTERS CERTIFIED SUBCOMPONENTS TABLE	 <p>WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING</p>
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ID/Catalog Number	Manufacturer	Description	Max Weight (lbs)	UUT
Miniature Circuit Breakers (MCB)				
BR215B	Eaton	15A, 120/240V	0.6	UUT_w-3
BR350	Eaton	50A, 120/240V	0.6	UUT_y-42
BR270B	Eaton	70A, 120/240V	0.6	UUT_x-36
BR*	Eaton	10-150A, 120/240V	0.6	interpolated
BAB2015	Eaton	15A, 120/240V	0.6	UUT_w-4
BA*	Eaton	15-125A, 120/240V	0.6	interpolated
BAB2125	Eaton	125A, 120/240V	0.6	UUT_z-11
Molded Case Circuit Breakers (MCCB)				
EHD2015	Eaton	15A, 600V	3	UUT_w-3, UUT_w-4
EHD2060	Eaton	60A, 600V	3	UUT_x-36
FDB2100	Eaton	100A, 600V	3	UUT_z-11
PDG1	Eaton	10-125A, 277/347/480/600V	3	interpolated
PDG2	Eaton	10-125A, 277/347/480/600V	4.2	interpolated
F	Eaton	10-225A, 600V	4.5	Interpolated
FDB3070	Eaton	70A, 600V	4.5	UUT_z-12
EHD3090	Eaton	90A, 600V	4.5	UUT_y-42



UUT_{w-3}

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid wall mounted with (4) 3/8" grade 5 bolts.



Manufacturer: Eaton	Test Location: Wyle Lab, Huntsville AL
Product Line: LV Mini Power Centers	Test Date: June 18-22, 2012
Component: P03100 (FR283)	Report Number: 70282R12

UUT Function: Voltage Transformation with Circuit Protection

UUT Description: 3kVA, Single-Phase Transformer, NEMA 3R Enclosure, Aluminum Windings and Eaton Miniature Circuit Breaker BR215B / Mold Case Circuit Breaker EHD2015.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
136	12.75	9.75	27.5	NA	NA	NA

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{GRIG-H} (g)	A _{FLX-V} (g)	A _{GRIG-V} (g)
	2.50	1.0	3.5	1.3	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_w-4

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid wall mounted with (4) 3/8" grade 5 bolts.



Manufacturer: Eaton	Test Location: Wyle Lab, Huntsville AL
Product Line: LV Mini Power Centers	Test Date: June 18-22, 2012
Component: P03106 (FR306)	Report Number: 70282R12

UUT Function: Voltage Transformation with Circuit Protection

UUT Description: 3kVA, Single-Phase Transformer, NEMA 3R Enclosure, Copper Windings and Eaton Miniature Circuit Breaker BAB2015 / Mold Case Circuit Breaker EHD2015.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
140	12.75	9.75	33.25	NA	NA	NA

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIg-H} (g)	A _{FLX-V} (g)	A _{RIg-V} (g)
	2.50	1.0	3.5	1.3	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_x-36

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid wall mounted with (4) 1/2" grade 5 bolts.



Manufacturer: Eaton	Test Location: Wyle Lab, Huntsville AL
Product Line: LV Mini Power Centers	Test Date: Sept. 30 – Oct. 11, 2013
Component: P43G11S15X	Report Number: 71272R13

UUT Function: Voltage Transformation with Circuit Protection

UUT Description: 25kVA, Single-Phase Transformer, NEMA 3R Enclosure, Aluminum Windings and Eaton Miniature Circuit Breaker BR270B / Mold Case Circuit Breaker EDH2060.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
444	11.5	14.75	44.0	NA	NA	NA

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.50	1.0	3.5	1.3	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_y-42

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid wall mounted with (4) 1/2" grade 5 bolts.



Manufacturer: Eaton	Test Location: NTS, Huntsville AL
Product Line: LV Mini Power Centers	Test Date: Sept. 22-26, 2014
Component: P48G22T30	Report Number: PR32162-TR-14
UUT Function: Voltage Transformation with Circuit Protection	
UUT Description: 30kVA, 3-Phase Transformer, NEMA 3R Enclosure, Aluminum Windings and Eaton Miniature Circuit Breaker BR350 / Mold Case Circuit Breaker EDH3090.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
630	32.75	13.25	40.25	NA	NA	NA

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.50	1.0	3.5	1.3	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_z-11

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid wall mounted with (4) 1/2" grade 5 bolts.



Manufacturer: Eaton	Test Location: NTS, Huntsville AL
Product Line: LV Mini Power Centers	Test Date: December 7-17, 2015
Component: P60G11S25CUB	Report Number: PR041213-TR-16

UUT Function: Voltage Transformation with Circuit Protection

UUT Description: 25kVA, Single-Phase Transformer, NEMA 3R Enclosure, Copper Windings and Eaton Miniature Circuit Breaker BAB2125 / Mold Case Circuit Breaker FDB2100.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
562	20.5	14.88	43.5	NA	NA	NA

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.50	1.0	3.5	1.3	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_Z-12

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid wall mounted with (4) 1/2" grade 5 bolts.



Manufacturer: Eaton	Test Location: NTS, Huntsville AL
Product Line: LV Mini Power Centers	Test Date: December 7-17, 2015
Component: P60G28T30CU	Report Number: PR041213-TR-16

UUT Function: Voltage Transformation with Circuit Protection

UUT Description: 30kVA, 3-Phase Transformer, NEMA 3R Enclosure, Copper Windings and Eaton Mold Case Circuit Breaker FDB3070.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
664	33.38	13.38	40.25	NA	NA	NA

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.50	1.0	3.5	1.3	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.