



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY
APPLICATION #: OSP - 0010

OSHPD Special Seismic Certification Preapproval (OSP)

Type: [] New [X] Renewal

Manufacturer Information

Manufacturer: Eaton

Manufacturer's Technical Representative: Mark Allen

Mailing Address: 845 Corporate Circle, Sumter, SC 29154

Telephone: 803-481-6873 Email: MarkAllen@eaton.com

Product Information

Product Name: Pow-R-Line C (PRLC), Pow-R-Line X (PRLX) and IFS Switchboards

Product Type: Low Voltage Distribution Switchboards

Product Model Number: See Product Range Summary
(List all unique product identification numbers and/or part numbers)

General Description: Low Voltage Distribution Switchboards, NEMA 1 and 3R, 600V, 4000A Copper and Aluminum
Bus.

Mounting Description: Rigid floor mounted

Applicant Information

Applicant Company Name: Eaton

Contact Person: Eddie Wilkie

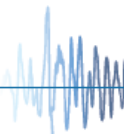
Mailing Address: 175 Vista Blvd, Arden, NC 28704

Telephone: 828-651-0707 Email: eddiewilkie@eaton.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in
accordance with the California Administrative Code, 2016.

Signature of Applicant: Eddie Wilkie Date: 10/28/19

Title: Director of Engineering Company Name: Eaton





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

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

Company Name: ISAT

Name: William V. Joerger California License Number: SE 4545

Mailing Address: 1020 Crews Road, Quite Q, Matthews, NC 28105

Telephone: 510-714-0216 Email: wvjoerger@isatsb.com

Supports and Attachments Preapproval

- Supports and attachments are preapproved under OPM- _____
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- Supports and attachments are not preapproved

Certification Method

- Testing in accordance with: ICC-ES AC156
- Other (Please Specify): _____

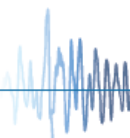
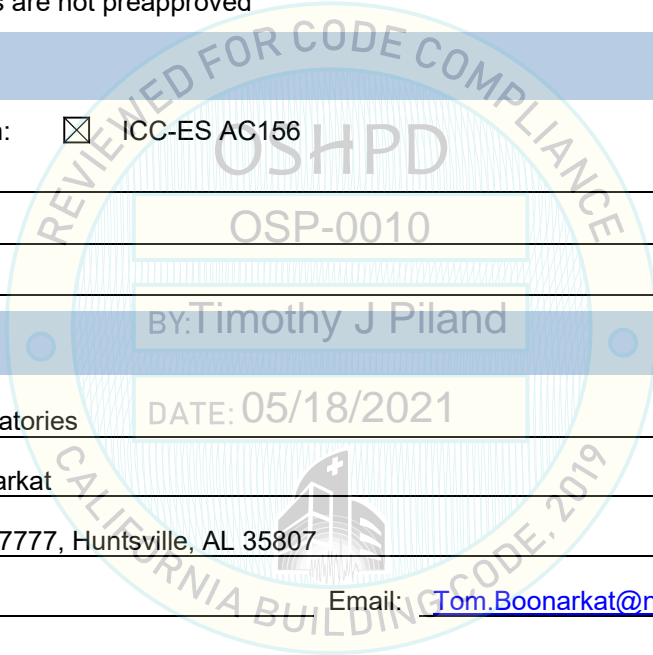
Testing Laboratory

Company Name: NTS Laboratories DATE: 05/18/2021

Contact Name: Tom Boonarkat

Mailing Address: P.O. Box 77777, Huntsville, AL 35807

Telephone: 256-716-4291 Email: Tom.Boonarkat@nts.com





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: [X] Yes [] No

Design Basis of Equipment or Components (Fp/Wp) = 1.36

Sds (Design spectral response acceleration at short period, g) = 1.81

ap (In-structure equipment or component amplification factor) = 2.5

Rp (Equipment or component response modification factor) = 6.0

Omega_0 (System overstrength factor) = 2.0

Ip (Importance factor) = 1.5

z/h (Height factor ratio) = 1

Equipment or Component Natural Frequencies (Hz) = See Resonance Summary.

Overall dimensions and weight (or range thereof) = See Product Range Summary

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: [] Yes [X] No

Design Basis of Equipment or Components (V/W) =

Sds (Design spectral response acceleration at short period, g) =

Sd1 (Design spectral response acceleration at 1 second period, g) =

R (Response modification coefficient) =

Omega_0 (System overstrength factor) =

Cd (Deflection amplification factor) =

Ip (Importance factor) = 1.5

Height to Center of Gravity above base =

Equipment or Component Natural Frequencies (Hz) =

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2015: [] Yes [X] No

List of Attachments Supporting Special Seismic Certification

[X] Test Report(s) [X] Drawings [] Calculations [] Manufacturer's Catalog

[] Other(s) (Please Specify):

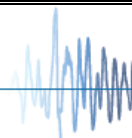
OSHPD Approval (For Office Use Only) - Approval Expires on December 31, 2025

Signature: [Signature] Date: May 18, 2021

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to: Sds (g) = 1.81 z/h = 1

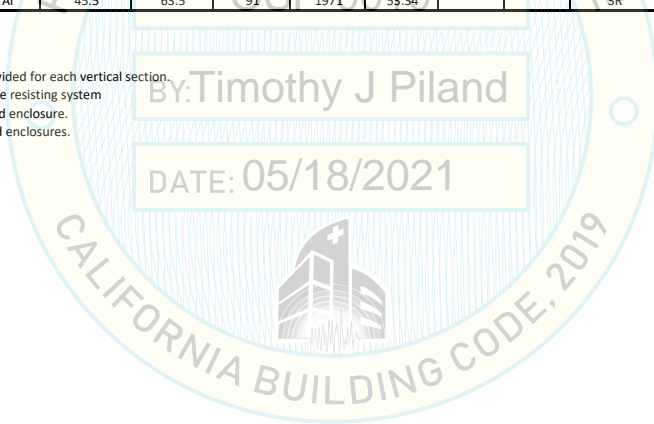
Condition of Approval (if applicable):



Certified Product Range Summary
PRLC, PRLX and IFS Switchboards¹

Model	UUT Identifier	Section Continuous Current Rating (Amps)	Bus Material	UUT Width or Width Range (in.)	UUT Depth or Depth Range (in.)	Height (in.)	Maximum Weight (lbs.)	Maximum Tested C.G. Height (in.)	S _{DB}	F _p /W _p	NEMA Enclosure ³ Type	UUT Status	Notes		
PRLC, PRLX & IFS ²	MEDP092012-008a	800	Cu	20.25	19.25	90.5	390	45.00	1.81	1.36	1	30	5		
	PRLC, PRLX & IFS	400 - 800	Cu	20-30	18-24	90	394	45.00			1, 3R	Interpolated	4		
	PRLC, PRLX & IFS	800-1200	Cu	20-30	30-66	90	918	45.00			1, 3R	Interpolated	4		
	MEDP092012-006	800	Cu	36.5	24.5	90.5	758	42.19			1	28	5		
	MEDP092012-009a	800	Cu	26.5	30	90.5	589	47.00			1	33	5		
	MEDP201805-006	800	Cu	30	36	90	705	50.75			1	3	5		
	MEDP201805-003A	800	Cu	30	49.25	91	750	52.24			3R	5	5		
	MEDP092012-001	800	Cu	36.5	31	90.5	674	51.16			1	23	5		
	MEDP092012-008b	1200	Cu	9.5	18.5	90.5	216	45.00			1	31	5		
	MEDP092012-008c	1200	Cu	26.25	19.75	90.5	394	42.42			1	32	5		
	MEDP201805-001	1200	Cu	20	20	90	918	45.16			1	8	5		
	MEDP092012-009b	1200	Cu	30.5	31.75	90.5	532	45.58			1	34	5		
	MEDP092012-007	1600	Cu	45.5	36.5	90.5	2404	28.45			1	29	4		
	PRLC, PRLX & IFS	1600 - 2000	Cu	30-36	24-66	90	1047	45.00			1, 3R	Interpolated	4		
	PRLC, PRLX & IFS	400-800	Cu	36-51	18-24	90	674	45.00			1, 3R	Interpolated	4		
	PRLC, PRLX & IFS	400 - 2000	Cu	36-51	30-66	90	1198	45.00			1, 3R	Interpolated	4		
	MEDP201805-002	3000	Cu	30	36	90	1057	56.04			1	4	5		
	MEDP201805-003	3000	Cu	30	49.25	91	1125	55.30			3R	6	5		
	PRLC, PRLX & IFS	2500 - 4000	Cu	36	24-36	90	1198	45.00			1, 3R	Interpolated	4		
	PRLC, PRLX & IFS	2500 - 4000	Cu	45-51	42-66	90	1850	45.00			1, 3R	Interpolated	4		
	MEDP201805-004	4000	Cu	36	24	90	1198	48.33			1	11	4		
	MEDP092012-011	4000	Cu	51.25	27.25	90.5	1184	41.86			1	36	5		
	MEDP201805-001A	4000	Cu	45	30	90	612	42.70			1	7	5		
	MEDP092012-005	4000	Cu	51.25	30.75	90.5	1364	44.20			1	27	5		
	MEDP092012-002	4000	Cu	45.5	68	126.5	2133	60.56			1	24	4		
	MEDP092012-010	4000	Cu	52.5	50.25	90.5	1760	56.57			1	35	5		
	PRLC, PRLX & IFS	400 - 1200	AL	20-30	18-66	90	818	45			1.81	1.36	1, 3R	Extrapolated	4
	MEDP092012-003	800	Al	36.5	49.25	90.5	972	55.09					1	25	4
	PRLC, PRLX & IFS	1600 - 2000	AL	30-36	24-66	90	947	45					1, 3R	Interpolated	4
	PRLC, PRLX & IFS	400 - 2000	AL	36-51	24-66	90	1048	45					1, 3R	Interpolated	4
PRLC, PRLX & IFS	2500 - 4000	AL	36-51	30-66	90	1400	45	1, 3R	Interpolated	4					
MEDP092012-004	4000	Al	45.5	63.5	91	1971	53.34	3R	26	5					

1. Manufactured by Eaton
2. Engineered to order product. Unique identifiers provided for each vertical section.
3. NEMA type 1 and 3R enclosures have a common force resisting system
4. Certification applies to a minimum of (1) Switchboard enclosure.
5. Certification applies to a minimum of (2) Switchboard enclosures.



**PRLC, PRLX and IFS Switchboards
Certified Major Component Data**

Power Circuit Breakers - Magnum, Fixed Mounted									
Model or Model Line	Size (Amperes)	Voltage	Dimensions / Weights			Weight (lbs.)	Manufacturer	Test Status	
			Width (in.)	Depth (in.)	Height (in.)				
SBS6083HEA	800	600	16.15	14.64	16.76	128	Eaton	UUT 23	
MDN/MDS/SBS/SBN	800	600	16.15	14.64	16.76	128	Eaton	Interpolated	
MDN/MDS/SBS/SBN	1200	600	12.51-16.15	14.64	16.76	128	Eaton	Interpolated	
MDN/MDS/SBS/SBN	1600	600	12.51-16.15	14.64	16.76	128	Eaton	Interpolated	
MDN/MDS/SBS/SBN	2000	600	12.51-16.15	14.64	16.76	150	Eaton	Interpolated	
MDS/SBS	2500	600	16.15	14.64	16.76	150	Eaton	Interpolated	
MDS/SBS	3000	600	16.15	14.64	16.76	150	Eaton	Interpolated	
MDS/SBS	4000	600	34.9	14.64	16.76	237	Eaton	Interpolated	
SBSC4N3HEA	4000	600	34.9	14.64	16.76	237	Eaton	UUT 24	

Power Circuit Breakers - NRX, Fixed Mounted									
Model or Model Line	Size (Amperes)	Voltage	Dimensions / Weights			Weight (lbs.)	Manufacturer	Test Status	
			Width (in.)	Depth (in.)	Height (in.)				
RYR6083B	800	600	13.22	11.51	15.65	120	Eaton	UUT 5	
NYR6123J	1200	600	8.25	7.15	13.31	45	Eaton	UUT 7.8	
RYRX123B	1200	600	13.22	11.51	15.65	120	Eaton	Interpolated	
RYRX163B	1600	600	13.22	11.51	15.65	120	Eaton	Interpolated	
RYRX203B	2000	600	13.22	11.51	15.65	120	Eaton	Interpolated	
RYRX253B	2500	600	13.22	11.51	15.65	120	Eaton	Interpolated	
RYR6303B	3000	600	13.22	11.51	15.65	120	Eaton	UUT 6	

Power Circuit Breakers - Magnum SB/DS/DN, Drawout									
Model or Model Line	Size (Amperes)	Voltage	Dimensions / Weights			Weight (lbs.)	Manufacturer	Test Status	
			Width (in.)	Depth (in.)	Height (in.)				
SBS6083WEA	800	600	16.15	20.82	16.76	245	Eaton	UUT 25	
MDN/MDS/SBS/SBN	800	600	12.51-16.15	20.82	16.76	245	Eaton	Interpolated	
MDN/MDS/SBS/SBN	1200	600	12.51-16.15	20.82	16.76	245	Eaton	Interpolated	
MDN/MDS/SBS/SBN	1600	600	12.51-16.15	20.82	16.76	245	Eaton	Interpolated	
MDN/MDS/SBS/SBN	2000	600	12.51-16.15	20.82	16.76	273	Eaton	Interpolated	
MDS/SBS	2500	600	16.15	20.82	16.76	273	Eaton	Interpolated	
MDS/SBS	3000	600	16.15	20.82	16.76	273	Eaton	Interpolated	
MDS/SBS	4000	600	35.75	20.82	16.76	336	Eaton	Interpolated	
SBS6083WEA	4000	600	35.75	20.82	16.76	336	Eaton	UUT 26	

NRX Power Circuit Breakers, Drawout									
Model or Model Line	Size (Amperes)	Voltage	Dimensions / Weights			Weight (lbs.)	Manufacturer	Test Status	
			Width (in.)	Depth (in.)	Height (in.)				
RYR6083W	800	600	15.67	14.48	17.96	211	Eaton	UUT 3	
RYRX123B	1200	600	15.67	14.48	17.96	211	Eaton	Interpolated	
RYRX163B	1600	600	15.67	14.48	17.96	211	Eaton	Interpolated	
RYRX203B	2000	600	15.67	14.48	17.96	211	Eaton	Interpolated	
RYRX253B	2500	600	15.67	14.48	17.96	211	Eaton	Interpolated	
RYR6303W	3000	600	15.67	14.48	17.96	211	Eaton	UUT 4	

Series C/G Molded Case Circuit Breakers (MCCB) 1 - 3 Poles (3 Pole Data)									
(Model)/Frame	Size (Amps)	Mounting	Voltage	Dimensions / Weights			Weight (lbs.)	Manufacturer	Test Status
				Width (in.)	Depth (in.)	Height (in.)			
(FD3225)JF	225	Fixed	600	4.13	3.38	6	4.5	Eaton	UUT 27
F	10-225	Fixed	600	4.13	3.38	6	4.5	Eaton	Interpolated
(JD3250F)J	250	Fixed	600	4.13	4.06	10	13.5	Eaton	UUT 27
(JG3250F)J	250	Draw-out	600	4.13	4.06	10	13.5	Eaton	UUT 36
J	70-250	Fixed & Draw-out	600	4.13	4.06	10	13.5	Eaton	Interpolated
(KD3400F)K	400	Fixed	600	5.49	4.31	10.13	11.5	Eaton	UUT 27
K	70-400	Fixed	600	5.49	4.31	10.13	11.5	Eaton	Interpolated
(LGE3630NN)L	600	Fixed	600	8.25	3.81	10.75	20	Eaton	UUT 27
(LGE3630NN)L	600	Draw-out	600	8.25	3.81	10.75	20	Eaton	UUT 36
L	125-600	Fixed & Draw-out	600	8.25	3.81	10.75	20	Eaton	Interpolated
(MDL3800F)M	800	Fixed	600	8.25	4.06	16	30	Eaton	UUT 27
M	300-800	Fixed	600	8.25	4.06	16	30	Eaton	Interpolated
(ND312T33W)N	1200	Fixed	600	8.25	5.5	16	45	Eaton	UUT 27
N	400-1200	Fixed	600	8.25	5.5	16	45	Eaton	Interpolated
R	800-2500	Fixed	600	15.5	9	16	135	Eaton	Interpolated
(RD320T33W)R	2000	Fixed	600	15.5	9	16	135	Eaton	UUT27

Power Defense Molded Case Circuit Breakers (MCCB) 1 - 3 Poles (3 Pole Data)									
(Model)/Frame	Size (Amps)	Mounting	Voltage	Dimensions / Weights			Weight (lbs.)	Manufacturer	Test Status
				Width (in.)	Depth (in.)	Height (in.)			
PDG23M0225	225	Fixed	600	4.12	3.5	6	4.21	Eaton	UUT 11
PD-2	15-225	Fixed	600	4.12	3.5	6	4.21	Eaton	Interpolated
PDG33M0400	400	Fixed	600	5.47	4.3	10.13	11.02	Eaton	UUT 11
PD-3	45-400	Fixed	600	5.47	4.3	10.13	11.02	Eaton	Interpolated
PDG33M0600	600	Fixed	600	5.47	4.3	10.13	12.36	Eaton	UUT 11
PD-3	45-600	Fixed	600	5.47	4.3	10.13	12.36	Eaton	Interpolated
PDG43M0800	800	Fixed	600	8.25	4.38	16	30	Eaton	UUT 11
PD-4	300-800	Fixed	600	8.25	4.38	16	30	Eaton	Interpolated
PD-5	320-1200	Fixed	600	8.25	5.5	16	46.8	Eaton	Interpolated
PDG531200	1200	Fixed	600	8.25	5.5	16	46.8	Eaton	UUT 11

**PRLC, PRLX and IFS Switchboards
Certified Major Component Data**

Miniature Circuit Breakers (MCB) 1 - 3 Poles (1 Pole Data*)									
(Model)/Frame	Size (Amps)	Maximum Voltage	Dimensions / Weights				Manufacturer	Test Status	
			Width (in.)	Depth (in.)	Height (in.)	Weight (lbs.)			
(BAB1010)/BAB	10	240	1	2.91	3.13	0.38	Eaton	UUT 28	
(BAB1070)/BAB	70	240	1	2.91	3.13	0.38	Eaton	UUT 28	
(BAB3015H)/BAB	15	240	3	2.91	3.13	1.13	Eaton	UUT 28	
(BAB3100H)/BAB	100	240	3	2.91	3.13	1.13	Eaton	UUT 28	
BA*	10-125	240	3	2.91	3.125	0.38	Eaton	Interpolated	
(QBAF1015)/QBAF	15	240	1	2.38	3.19	0.25	Eaton	UUT 28	
(QBAF1020)/QBAF	20	240	1	2.38	3.19	0.25	Eaton	UUT 28	
QBAF*	15-20	240	1	2.38	3.19	0.25	Eaton	Interpolated	
(QBGF1015)/QBGF	15	240	1	2.38	3.19	0.58	Eaton	UUT 28	
(QBGF1040)/QBGF	40	240	1	2.38	3.19	0.58	Eaton	UUT 28	
(QBGF2015)/QBGF	15	240	2	2.38	3.19	1.16	Eaton	UUT 28	
(QBGF2050)/QBGF	50	240	2	2.38	3.19	1.16	Eaton	UUT 28	
QBGF*	15-50	240	2	2.38	3.19	0.58	Eaton	Interpolated	
(BABRP1015)/BABRP	15	240	1	2.38	2.94	0.92	Eaton	UUT 28	
(BABRP1030)/BABRP	30	240	1	2.38	2.94	0.92	Eaton	UUT 28	
(BABRP2015)/BABRP	15	240	2	2.38	2.94	1.84	Eaton	UUT 28	
(BABRP2030)/BABRP	30	240	2	2.38	2.94	1.84	Eaton	UUT 28	
BABRP*	15-30	240	2	2.38	2.94	0.92	Eaton	Interpolated	
(GHBS1015D)/GHBS	15	480	1	2.81	4.63	0.38	Eaton	UUT 28	
(GHBS1030D)/GHBS	30	480	1	2.81	4.63	0.38	Eaton	UUT 28	
GHBS*	15-30	480	1	2.81	4.63	0.38	Eaton	Interpolated	
(GHQ1015)/GHQ	15	480	1	2.81	4.63	0.38	Eaton	UUT 28	
(GHQ1020)/GHQ	20	480	1	2.81	4.63	0.38	Eaton	UUT 28	
GHQ*	15-30	480	1	2.81	4.63	0.38	Eaton	Interpolated	
(GHORSP2015)/GHO	15	480	2	2.81	4.63	1.5	Eaton	UUT 28	
(GHORSP1015)/GHO	15	480	1	2.81	4.63	0.75	Eaton	UUT 28	
(GHORSP2015)/GHO	15	480	2	2.81	4.63	1.5	Eaton	UUT 28	
(GHORSP2020)/GHO	20	480	2	2.81	4.63	1.5	Eaton	UUT 28	
(GHORSP2030)/GHO	30	480	2	2.81	4.63	1.5	Eaton	UUT 28	

Transfer Switches									
Type	Model #	Size (Amps)	Maximum Voltage	Dimensions / Weights			Manufacturer	Test Status	
				Width (in.)	Depth (in.)	Height (in.)			Weight (lbs.)
Contactor	ATC1C2X30040WKU	40	600	18.31	13.34	38.68	164	Eaton	UUT 30
	ATC/NTC/CTC	40-100	600	18.31	13.34	38.68	164	Eaton	Interpolated
	ATC/NTC/CTC	150-200	480	18.31	13.34	38.68	164	Eaton	Interpolated
	ATC/NTC/CTC	150-400	600	18.31	13.34	48.74	260	Eaton	Interpolated
	ATC/NTC/CTC	225-1200	600	18.31	13.34	79.41	600	Eaton	Interpolated
	ATC/NTC/CTC	40-100	600	25	17.18	52.74	210	Eaton	Interpolated
	ATC/NTC/CTC	150-200	480	25	17.18	52.74	210	Eaton	Interpolated
	ATC/NTC/CTC	225-400	480	33.61	14.72	71.02	420	Eaton	Interpolated
	ATC/NTC/CTC	150-1200	600	46	32	90	800	Eaton	Interpolated
	ATC8C3X31200WKU	1200	600	46	32	90	800	Eaton	UUT 34
Breaker	ATH3FDA30030WKU	30	600	20.81	17.22	47.74	240	Eaton	UUT 30
	AT/MT/NT	30-225	600	20.81	17.22	47.74	240	Eaton	Interpolated
	AT/MT/NT	150-400	600	25.81	18.4	53	425	Eaton	Interpolated
	AT/MT/NT	600-1000	600	25.81	19.5	76.74	540	Eaton	Interpolated
	ATVINBA31000WKU	1000	600	25.81	19.5	76.74	540	Eaton	UUT 32

3 Phase Power Transformers										
Model Line	# of Phases	Model #	Winding Material	Size (kVA)	Dimensions / Weights			Manufacturer	Unit	
					Width (in.)	Depth (in.)	Height (in.)			Weight (lbs.)
DS, KS	1		Al/Cu	15	22.52	19	16.32	227	Eaton	Extrapolated ^A
			Al/Cu	25	22.68	21	19.81	353	Eaton	Extrapolated ^A
			Al/Cu	30	22.68	21	19.81	360	Eaton	Extrapolated ^A
			Al/Cu	45	21.96	19	24.31	474	Eaton	Extrapolated ^A
DT,KT	3	V48M28T15MEE	Al	15	20.75	21.70	18.75	277	Eaton	UUT28
			Al/Cu	15	20.75	21.70	18.75	277	Eaton	Extrapolated ^A
			Al/Cu	30	20.76	21.70	21.38	409	Eaton	Extrapolated ^A
			Al/Cu	45	22.84	17.00	20.31	514	Eaton	Extrapolated ^A
			Al/Cu	75	24.91	21.70	23.88	709	Eaton	Extrapolated ^A
			Al/Cu	112.5	28.20	21.70	25.26	908	Eaton	Extrapolated ^A
			Al/Cu	150	28.19	21.70	29.56	1195	Eaton	Extrapolated ^A
			Al/Cu	225	31.10	28.00	47.67	1772	Eaton	Extrapolated ^A
			Al/Cu	300	36.25	31.50	48.56	1772	Eaton	Extrapolated ^A
					V48M28T33MCUEE	Cu	300	36.25	31.50	48.56

^A - Reference OSP-0008-10

**PRLC, PRLX and IFS Switchboards
Certified Major Component Data**

Certified Enclosure Summary						
Enclosure	Dimensions (in.)			Manufacturer	UUT	
	Width	Depth	Height			
Type 1, mild Carbon Steel	9	18-68	78, 90	Eaton	Extrapolated	
Type 1, mild Carbon Steel	9.5	18.5	90.5	Eaton	UUT 31	
Type 1, 3R mild Carbon Steel	20	18-68	78, 90	Eaton	Interpolated	
Type 1, mild Carbon Steel	20.25	19.25	90.5	Eaton	UUT 30	
Type 1, mild Carbon Steel	20	30	90	Eaton	UUT 8	
Type 1, 3R mild Carbon Steel	26	18-68	78, 90	Eaton	Interpolated	
Type 1, mild Carbon Steel	26.25	19.75	90.5	Eaton	UUT 32	
Type 1, mild Carbon Steel	26.5	30	90.5	Eaton	UUT 33	
Type 1, 3R mild Carbon Steel	30	18-68	78, 90	Eaton	Interpolated	
Type 1, mild Carbon Steel	30.5	31.75	90.5	Eaton	UUT 34	
Type 1, mild Carbon Steel	30	36	90	Eaton	UUT 3.4	
Type 3R, mild Carbon Steel	30	49.25	91	Eaton	UUT 5.6	
Type 1, 3R mild Carbon Steel	32	18-68	78, 90	Eaton	Interpolated	
Type 1, 3R mild Carbon Steel	36	18-68	78, 90	Eaton	Interpolated	
Type 1 mild Carbon Steel	36	24	90	Eaton	UUT 11	
Type 1 mild Carbon Steel	36.5	31	90.5	Eaton	UUT 23	
Type 1 mild Carbon Steel	36.5	49.25	90.5	Eaton	UUT 25	
Type 1 mild Carbon Steel	36.5	24.5	90.5	Eaton	UUT 28	
Type 1, 3R mild Carbon Steel	38	18-68	78, 90	Eaton	Interpolated	
Type 1, 3R mild Carbon Steel	45	18-68	78, 90	Eaton	Interpolated	
Type 1 mild Carbon Steel	45	30	90	Eaton	UUT 7	
Type 1 mild Carbon Steel	45.5	68	126.5	Eaton	UUT 24	
Type 3R mild Carbon Steel	45.5	63.5	91	Eaton	UUT 26	
Type 1 mild Carbon Steel	45.5	36.5	90.5	Eaton	UUT 29	
Type 1, 3R mild Carbon Steel	51	18-68	78, 90	Eaton	Interpolated	
Type 1 mild Carbon Steel	51.25	27.25	90.5	Eaton	UUT 36	
Type 1 mild Carbon Steel	51.25	30.75	90.5	Eaton	UUT 27	
Type 1, mild Carbon Steel	54	18,24,30,36,48,54,66	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	20	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	26	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	30	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	32	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	36	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	38	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	45	31,37,43,49,61,67,79	78, 90	Eaton	UUT26	
Type 3R, mild Carbon Steel	51	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 3R, mild Carbon Steel	54	31,37,43,49,61,67,79	78, 90	Eaton	Interpolated	
Type 1 mild Carbon Steel	52.5	50.25	90.5	Eaton	UUT 35	

Metering							
Model #	Model Line	Dimensions / Weights			Weight (lbs.)	Manufacturer	Unit
		Width (in.)	Depth (in.)	Height (in.)			
IQ130MA6510	IQ130, 140, 150	4.85	4.85	4.97	2	Eaton	UUT 23
	IQ130, 140, 150	4.85	4.85	4.97	2	Eaton	Interpolated
IQ250MA65100	IQ250, 260	4.9	5	5	2	Eaton	UUT 25
	IQ250, 260	4.9	5	5	2	Eaton	Interpolated
IQA6430	IQ6400, 6600	6.72	6.23	10.25	4.5	Eaton	UUT 23
	IQ6400, 6600	6.72	6.23	10.25	4.5	Eaton	Interpolated
IQ35M	IQ35M	4.2	2.3	3.6	0.62	Eaton	UUT 33
	IQ35M	4.2	2.3	3.6	0.62	Eaton	Interpolated
PXM2250MA65105	PXM 2000	4.85	4.97	4.85	2	Eaton	UUT 26
	PXM 2000	4.85	4.97	4.85	2	Eaton	Interpolated
	PXM4000, 6000, 8000	9.56	8.72	9	9.2	Eaton	Interpolated
PXM4051A1AAPD-MMG	PXM4000, 6000, 8000	9.56	8.72	9	9.2	Eaton	UUT 24

Lighting Controllers							
(Part #)	Model Line	Dimensions / Weights			Weight (lbs.)	Manufacturer	Unit
		Width (in.)	Depth (in.)	Height (in.)			
(42C2585)	PRC750	13.63	4.25	5.1	6.95	Eaton	UUT 28
	PRC1000	13.63	4.25	5.1	6.95	Eaton	Interpolated
(42C2588)	PRC2000	13.63	4.25	5.1	6.95	Eaton	UUT28

SPD (Surge Protective Device)							
Model#	Model Line	Dimensions / Weights			Weight (lbs.)	Manufacturer	Unit
		Width (in.)	Depth (in.)	Height (in.)			
SPD100480YIC	SPD 100	9.5	3.45	5.4	3.5	Eaton	UUT 26
	SPD50, 80, 100, 120, 160, 200	9.5	3.45	5.4	3.5	Eaton	Interpolated
	SPD250, 300, 400	9.5	5.78	5.4	7	Eaton	Interpolated
SPD400480Y1C	SPD 400	9.5	5.78	5.4	7	Eaton	UUT 25

UUT 3 (Unit Under Test) Summary Sheet

Manufacturer: Eaton

Model Number: MEDP2018OS-002A

Product Construction Summary:

NEMA 1 enclosure type, painted carbon steel.

Options/Component Summary:

PRLC/PRLX Switchboard, 800A, 480V, NRX-RF D/O Circuit Breaker (RYR6083W)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
705	30.00	36.00	90.00	5.5	5.5	16

Seismic Test Parameters

Building Code	Test Criteria	C.G.-Height (in.)	Sds (g)	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	50.75	1.87	1	1.5	2.99	2.24	1.25	0.50

UUT maintained structural integrity and functionality as observed in post test inspection and operation checks.



UUT 3 was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

PR102491

UUT 4 (Unit Under Test) Summary Sheet

Manufacturer: Eaton

Model Number: MEDP2018OS-002

Product Construction Summary:

NEMA 1 enclosure type, painted carbon steel.

Options/Component Summary:

PRLC/PRLX Switchboard, 3000A, 480V, NRX-RF D/O Circuit Breaker (RYR6303W)

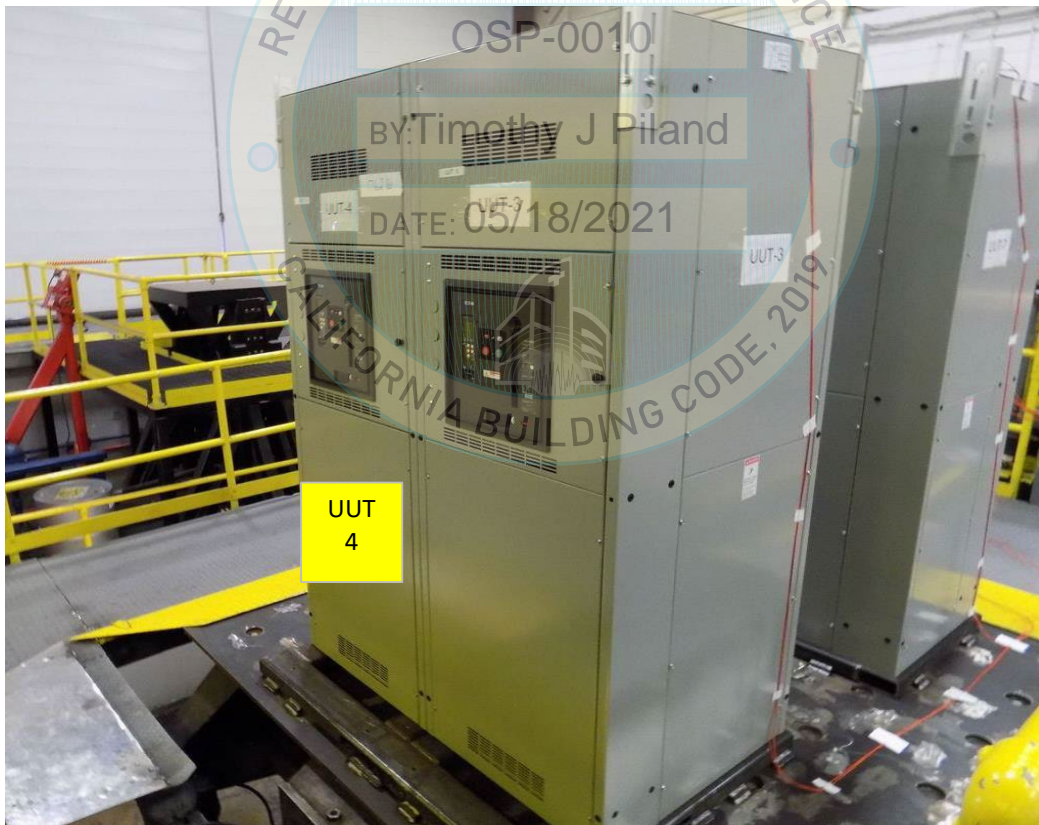
UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
1057	30.00	36.00	90.00	5.5	5.5	18

Seismic Test Parameters

Building Code	Test Criteria	C.G.-Height (in.)	Sds (g)	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	56.04	1.87	1	1.5	2.99	2.24	1.25	0.50

UUT maintained structural integrity and functionality as observed in post test inspection and operation checks.



UUT 4 was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

PR102491

UUT 5 (Unit Under Test) Summary Sheet

Manufacturer: Eaton

Model Number: MEDP2018OS-003A

Product Construction Summary: NEMA 3R enclosure type with flat profile roof, painted carbon steel.

Options/Component Summary: PRLC/PRLX Switchboard, 800A, 480V, NRX-RF Fixed Mounted Circuit Breaker (RYR6083B). Assembly is base mounted with top secured to wall.

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
750	30.00	49.25	91.00	9	7	>33

Seismic Test Parameters

Building Code	Test Criteria	C.G.-Height (in.)	Sds (g)	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	52.24	2.47	1	1.5	3.95	2.96	1.65	0.67

UUT maintained structural integrity and functionality as observed in post test inspection and operation checks.



UUT 5 was mounted to a rigid frame using (6) 1/2" bolts. The steel frame was welded to the shake table.

PR102491

UUT 6 (Unit Under Test) Summary Sheet

Manufacturer: Eaton

Model Number: MEDP2018OS-003

Product Construction Summary: NEMA 3R enclosure type with flat profile roof, painted carbon steel.

Options/Component Summary: PRLC/PRLX Switchboard, 3000A, 480V, NRX-RF Fixed Mounted Circuit Breaker (RYR6303B). Assembly is base mounted with top secured to wall.

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
1125	30.00	49.00	91.00	9	7	>33

Seismic Test Parameters

Building Code	Test Criteria	C.G.-Height (in.)	Sds (g)	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	55.30	2.47	1	1.5	3.95	2.96	1.65	0.67

UUT maintained structural integrity and functionality as observed in post test inspection and operation checks.



UUT 6 was mounted to a rigid frame using (6) 1/2" bolts. The steel frame was welded to the shake table.

PR102491

UUT 7 (Unit Under Test) Summary Sheet

Manufacturer: Eaton

Model Number: MEDP2018OS-001A

Product Construction Summary: NEMA 1 enclosure type, painted carbon steel.

Options/Component Summary: PRLC/PRLX Switchboard, 1200A, 600V, NRX-NF fixed circuit breaker [NYR6123J] (Qty. 4)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
612	45.00	30.00	90.00	5.5	6	18

Seismic Test Parameters

Building Code	Test Criteria	C.G.-Height (in.)	Sds (g)	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	42.70	1.87	1	1.5	2.99	2.24	1.25	0.50

UUT maintained structural integrity and functionality as observed in post test inspection and operation checks.



UUT 7 was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

PR102491

UUT 8 (Unit Under Test) Summary Sheet

Manufacturer: Eaton

Model Number: MEDP2018OS-001

Product Construction Summary: NEMA 1 enclosure type, painted carbon steel.

Options/Component Summary: PRLC/PRLX Switchboard, 4000A, 600V, NRX-NF fixed circuit breaker [NYR6123J] (1)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
918	20.00	20.00	90.00	5.5	6	24

Seismic Test Parameters

Building Code	Test Criteria	C.G.-Height (in.)	Sds (g)	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	45.16	1.87	1	1.5	2.99	2.24	1.25	0.50

UUT maintained structural integrity and functionality as observed in post test inspection and operation checks.



UUT 8 was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

PR102491

UUT 11 (Unit Under Test) Summary Sheet

Manufacturer: Eaton

Model Number: MEDP2018OS-004

Product Construction Summary: NEMA 1 enclosure type, painted carbon steel.

Options/Component Summary: PRLC/PRLX Switchboard, 4000A, 600V, 50X Chassis. Power defense MCCB's; PDG23M0225, PDG33M0400, PDG33M0600, PDG43M0800 and PDG531200.

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
1198	36.00	24.00	90.00	4	4.5	23

Seismic Test Parameters

Building Code	Test Criteria	C.G.-Height (in.)	Sds (g)	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	48.33	1.81	1	1.5	2.90	2.17	1.21	0.49

UUT maintained structural integrity and functionality as observed in post test inspection and operation checks.



UUT 11 was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

PR102491

UUT 23 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-001)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure rating. 800A Copper Bus.

Options/Component Summary: Magnum 800A Breaker (SBS6083HEA), IQ 100 Meter (IQ130MA6510)
IQ Analyzer Power Meter (IQA6430)

UUT Properties (As Tested)

Weight (lbs.)	Enclosure Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
674	36.5	31	90.5	4.2	8.1	--

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	51.16	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 24 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-002)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 4000A Copper Bus.

Options/Component Summary: Magnum 4000A Breaker (SBSC4N3HEA), Power Xpert Meter (PXM4051A1AA/PD-MMG)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
2133	45.5	68	126.5	7.5	4.8	34

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	60.56	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 25 (Unit Under Test) Summary Sheet - Mounting Configuration 1, Free Standing

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-003)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 800A Aluminum Bus.

Options/Component Summary: Magnum 800A Breaker (SBS6083WEA), IQ 250/260 Meter (IQ250MA65100), SPD Surge Protective Device 400kA (SPD400480Y1C)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
972	36.5	49.25	90.5	8.8	5.6	35

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	55.09	2.25	1	1.5	3.60	2.70	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Base of unit was mounted to a rigid steel frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 25 (Unit Under Test) Summary Sheet - Mounting Configuration 2, Secured to wall with internal frame members secured to floor

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-003)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 800A Aluminum Bus.

Options/Component Summary: Magnum 800A Breaker (SBS6083WEA), IQ 250/260 Meter (IQ250MA65100), SPD Surge Protective Device 400kA (SPD400480Y1C), Mounting brackets (42C4919H01[2x], 42C4919H02 [2x])

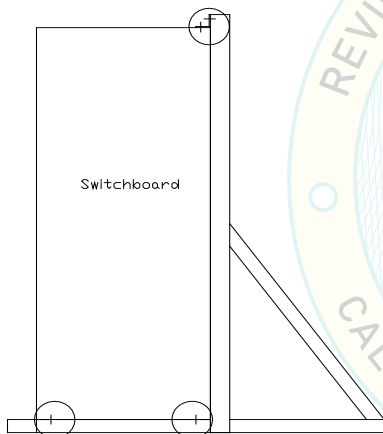
UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
972	36.5	49.25	90.5	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	55.09	2.27	1	1.5	3.63	2.72	1.52	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Top/Rear secured to rigid wall fixture with right angle brackets. Part #'s 42C4919H01 (2x) and 42C4919H02 (2x).

3/8" bolts (6 places)

Base of unit was mounted to a rigid frame using (2) 1/2" bolts. The steel frame was welded to the shake table.

UUT 26 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-004)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 3R enclosure. 4000A Aluminum Bus.

Options/Component Summary: Magnum 4000A Breaker (SBSC4N3WEA), Power Xpert Meter (PXM2250MA65105) SPD Surge Protective Device 100kA (SPD100480Y1C)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
1971	45.5	63.5	91	7.2	5.2	21

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	53.34	2.23	1	1.5	3.57	2.68	1.49	0.60

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 27 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-005)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure rating. 4000A Copper Bus.

Options/Component Summary: R Frame MCCB (RD320T33W); N Frame MCCB (ND312T33W); M Frame MCCB (MDL3800F); L Frame MCCB (LGE3630NN); K Frame MCCB (KD3400F); J Frame MCCB (JD3250F) F Frame MCCB (FD3225)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
1364	51.25	30.75	90.5	4.4	8.2	31

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	44.2	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 28 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-006)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 800A Aluminum Bus.

Options/Component Summary: 15kVA DT-3 Transformer with Aluminum Coils (V48M28T15MEE);
 1 & 3 Pole BA MCB (BAB1010/BAB1070/BAB3015H/BAB3100H);
 1 Pole QBAF MCB (QBAF1015/QBAF1020);
 1 & 2 Pole QBGF MCB(QBGF1015/QBGF1040/QBGF2015/QBGF2050);
 1 & 2 Pole BABRP MCB (BABRP1015/BABRP1030/BABRP2015/BABRP2030);
 1 & 2 Pole GHQ MCB (GHQ1015/GHQ1020/GHBS1015D/GHBS1030D/GHQRSP2015/GHQRSP2030/ GHQRSP1015/
 GHQRSP2015/GHQRSP2020); F Frame MCCB (EDB3225/FD3225)
 PRLC750 Lighting Controller, PRLC2000 Lighting Controller (42C2588)

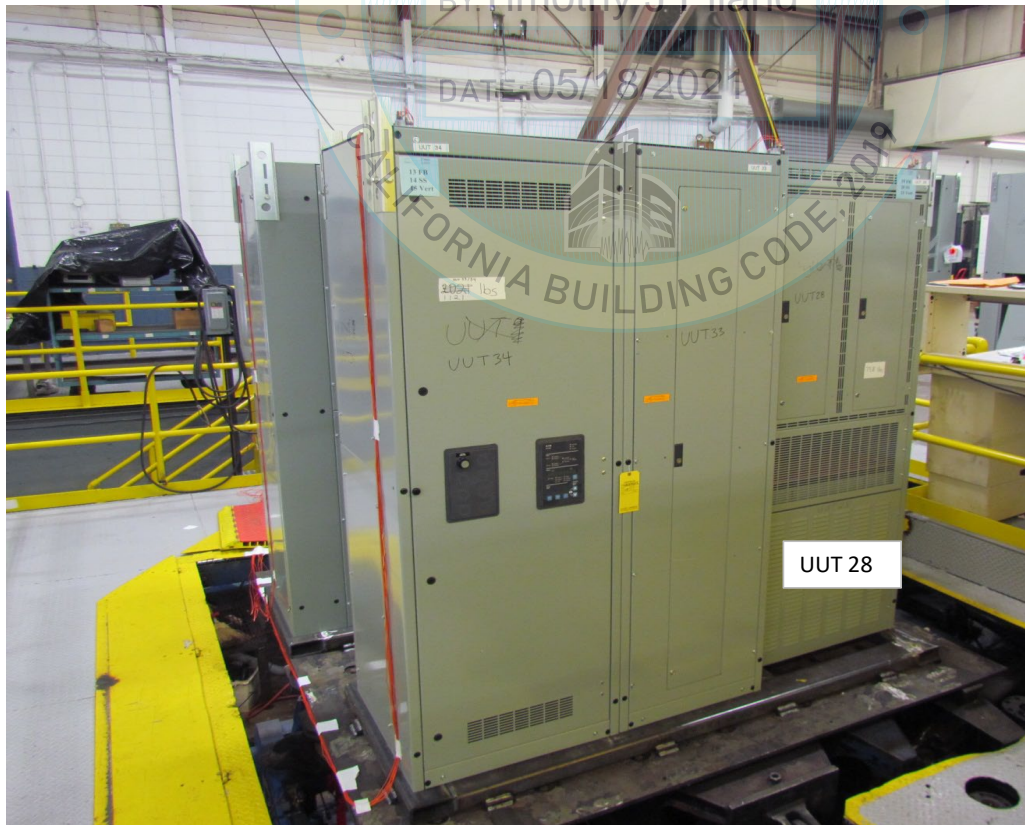
UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
758	36.5	24.5	90.5	7.1	11	--

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	42.19	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 29 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC & IFS Switchboards (MEDP092012-007)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure rating. Copper Bus.

Options/Component Summary: 300kVA DT-3 Transformer with Copper Windings (V48M28T33MCUEE)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
2404	45.5	36.5	90.5	6	5.4	35

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	28.45	2.25	1	1.5	3.60	2.70	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 29 (Unit Under Test) Summary Sheet - Mounting Configuration 2, Secured to wall with internal frame members secured to floor

Manufacturer: Eaton Corporation

Model Number: PRLC & IFS Switchboards (MEDP092012-007)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. Copper Bus.

Options/Component Summary: 300kVA DT-3 Transformer with Copper Windings (V48M28T33MCUEE), Mounting brackets (42C4919H01[2x], 42C4919H02 [2x])

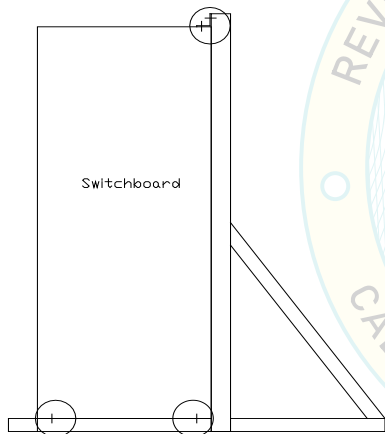
UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
2404	45.5	36.5	90.5	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	28.45	2.27	1	1.5	3.63	2.72	1.52	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Top/Rear secured to rigid wall fixture with right angle brackets. Part #'s 42C4919H01 (2x) and 42C4919H02 (2x).

3/8" bolts (6 places)

Base of unit was mounted to a rigid steel frame using (2) 1/2" bolts. The steel frame was welded to the shake table.

UUT 30 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC & IFS Switchboards (MEDP092012-008a)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 800A Copper bus.

Options/Component Summary:

MT/NT/AT Series 30A Transfer Switch (ATH3FDA30030WKU);

ATC / NTC / CTC Series 40A Transfer Switch(ATC1C2X30040WKU)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
390	20.25	19.25	90.5	4.4	8.2	32

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	45	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 31 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-008b)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 1200A Copper bus.

Options/Component Summary: None

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
216	9.5	18.5	90.5	4.4	8.2	85

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	45	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 32 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC & IFS Switchboards (MEDP092012-008c)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 1200A Copper bus.

Options/Component Summary:

MTV / NTV / ATV Series 1000A Transfer Switch (ATVINBA31000WKU)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
394	26.25	19.75	90.5	4.4	8.2	85

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	42.42	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 33 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC & IFS Switchboards (MEDP092012-009a)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 800A Copper bus.

Options/Component Summary: 1 & 3 Pole BAB MCB (BAB1020/BAB3070H); F Frame MCCB (FD3020); IQ35M

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
589	26.5	30	90.5	7.1	11	29

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	47	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 34 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC & IFS Switchboards (MEDP092012-009b)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 1200A Copper bus.

Options/Component Summary:

ATC / NTC / CTC Series 1200A Transfer Switch (ATC8C3X31200WKU)

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
532	30.5	31.75	90.5	7.1	11	43

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	45.58	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 35 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-010)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 4000A Copper Bus. EUSERC Utility Metering Compartment.

Options/Component Summary:

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
1760	52.5	50.25	90.5	7.2	5.2	22

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	56.57	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.

UUT 36 (Unit Under Test) Summary Sheet

Manufacturer: Eaton Corporation

Model Number: PRLC and IFS Switchboards (MEDP092012-011)

Product Construction Summary: Cabinet is constructed of powder-coated carbon steel, NEMA Type 1 enclosure. 4000A Copper Bus.

Options/Component Summary:

Switchboard Chassis; L Frame MCCB (LGE3630NN) & Draw-out Cassette; J Frame MCCB (JG3250F) & Draw-out Cassette

UUT Properties (As Tested)

Weight (lbs.)	Dimensions (inches)			mildest Natural Frequency (Hz)		
	Width	Depth	Height	Front-Back	Side-Side	Vertical
1184	51.25	27.25	90.5	4.2	8.1	18

Seismic Test Parameters

Building Code	Test Criteria	C.G. Height (in.)	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2019	ICC-ES AC156	41.86	2.26	1	1.5	3.62	2.71	1.51	0.61

UUT maintained structural integrity and functionality as confirmed in post test inspection and operation checks.



Unit was mounted to a rigid frame using (4) 1/2" bolts. The steel frame was welded to the shake table.