



**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-0896

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Eaton

Manufacturer's Technical Representative: Jared Hines

Mailing Address: 2210 Hwy 72/221 East, Greenwood, SC 29649

Telephone: (864) 942-6300

Email: jaredkhines@eaton.com

Product Information

Product Name: 38kV HD Switchgear

Product Model Number(s): See attachments

Product Category: Switchgear/Switchboards

Product Sub-Category: Switchgear - Medium Voltage

General Description: Metalclad 38kV Switchgear that provides medium voltage circuit protection.

Mounting Description: Base Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

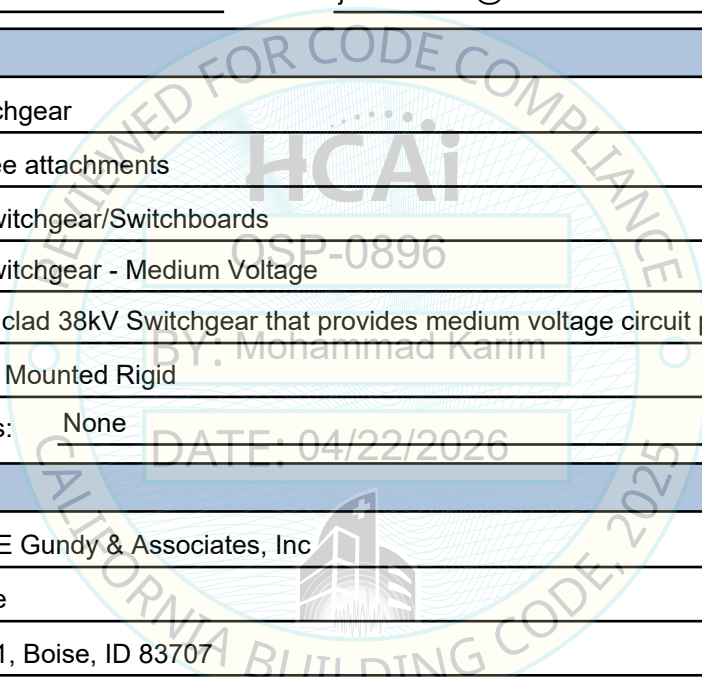
Contact Person: Travis Soppe

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

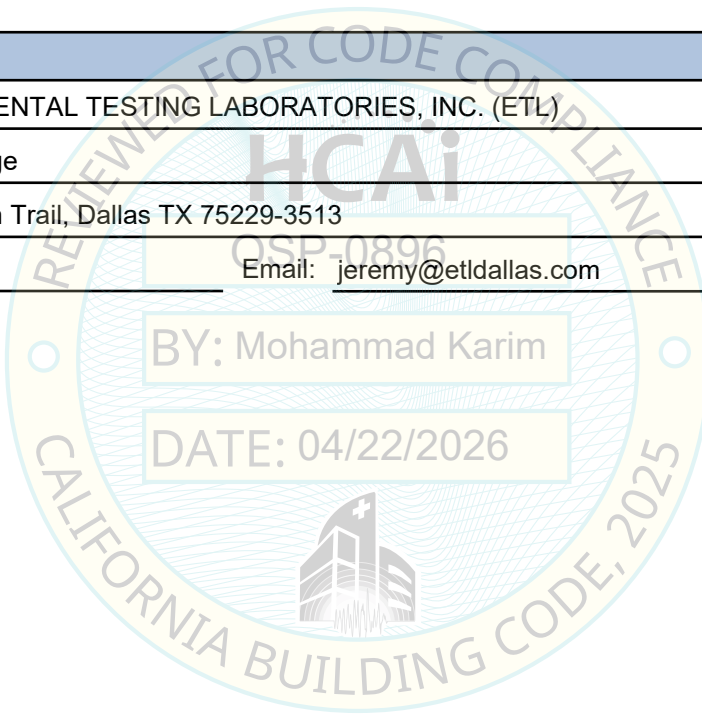
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)

Contact Person: Jeremy Lange

Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513

Telephone: (972) 247-9657

Email: jeremy@etldallas.com





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal	(A Flx-H), g=	<u>1.60</u>	(A Rig-H), g=	<u>1.08</u>
Vertical	(A Flx-V), g=	<u>1.07</u>	(A Rig-V), g=	<u>0.43</u>

SDS (Design spectral response acceleration at short period, g) = 1.6 @ z/h = 0; 1.0 @ z/h = 1

Hf (Force amplification height factor) = 1.0 @ z/h = 0; 3.5 @ z/h = 1

Ru (Structure ductility reduction factor) = 1.0 @ z/h = 0; 1.3 @ z/h = 1

Ip (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 04/22/2032

Date: 4/22/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0896

BY: Mohammad Karim

DATE: 04/22/2026

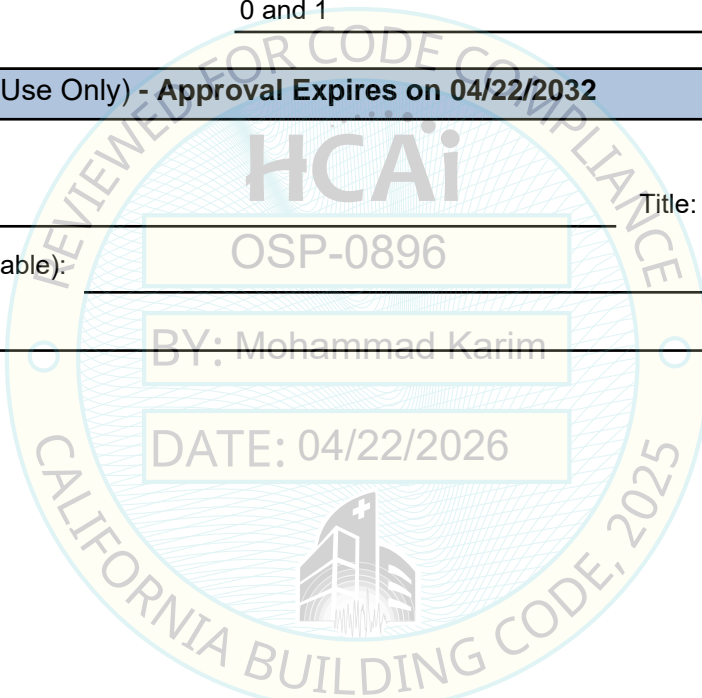


TABLE 1

**EATON 38kV HD MEDIUM VOLTAGE SWITCHGEAR
SEISMIC CERTIFICATION PRODUCT LINE MATRIX**



Section Type ¹	Main Bus Amperage	NEMA ²	Enclosure Dimensions (in)			Max Height COG (in)	Max Weight (lbs.)	Representative UUT ⁴
			Width	Depth	Height			
38kV-HD-BC	1200A-3000A	1	42	125	95.5	45.0	1000	extrapolated
38kV-HD-BC	1200A-3000A	3R	42	131	116	45.0	1200	extrapolated
38kV-HD-AUX	1200A-3000A	1	42	125	95.5	45.0	1600	extrapolated
38kV-HD-AUX	1200A	1	42	125	95.5	45.0	1605	UUT_y-4A
38kV-HD-AUX	1200A-3000A	3R	42	131	116	45.0	1800	interpolated
38kV-HD-SEC	1200A-3000A	1	42	125	95.5	45.0	2800	interpolated
38kV-HD-SEC	1200A-3000A	3R	42	131	116	45.0	3000	interpolated
38kV-HD-PS	1200A	1	42	125	95.5	44.6	3000	UUT_x-2B
38kV-HD-PS	1200A-3000A	1	42	125	95.5	44.6	3450	interpolated
38kV-HD-AUX/PS	3000A	1	42	125	95.5	44.6	3450	UUT_x-1B
38kV-HD-PS	1200A-3000A	3R	42	131	116	44.6	3650	interpolated
38kV-HD-UMS	1200A-3000A	1	60	125 - 149	95.5	48.8	3400	interpolated
38kV-HD-G&T	1200A-3000A	1	42-60	125	95.5	45.0	3600	interpolated
38kV-HD-UMS	3000A	3R	60	131	116	48.8	3666	UUT_y-1B
38kV-HD-MAIN/FEEDER	1200A	1	42	125	95.5	45.0	3745	UUT_y-4B
38kV-HD-G&T	1200A-3000A	3R	42	131	116	45.0	3800	interpolated
38kV-HD-MAIN/FEEDER	1200A	1	42	125	95.5	45.0	4054	UUT_x-2A
38kV-HD-MAIN/FEEDER	1200A-3000A	1	42	125	95.5	45.0	5500	interpolated
38kV-HD-MAIN/FEEDER	3000A	1	42	125	95.5	45.0	5074	UUT_x-1A
38kV-HD-MAIN/FEEDER	1200A-3000A	3R	42	131	116	45.0	8000	interpolated
38kV-HD-MAIN/FEEDER	3000A	3R	42	131	116	45.0	8100	UUT_y-1A

General Notes:

² NEMA 1 / 3R enclosures are constructed of carbon steel.

³ Standalone sections of switchgear are not seismically certified. A minimum of 2 mated sections is required for seismic certification.


⁴ Subscript indicates the test report in which the units were qualified:
x - 17772-Rev1 / y - 17971-Rev1

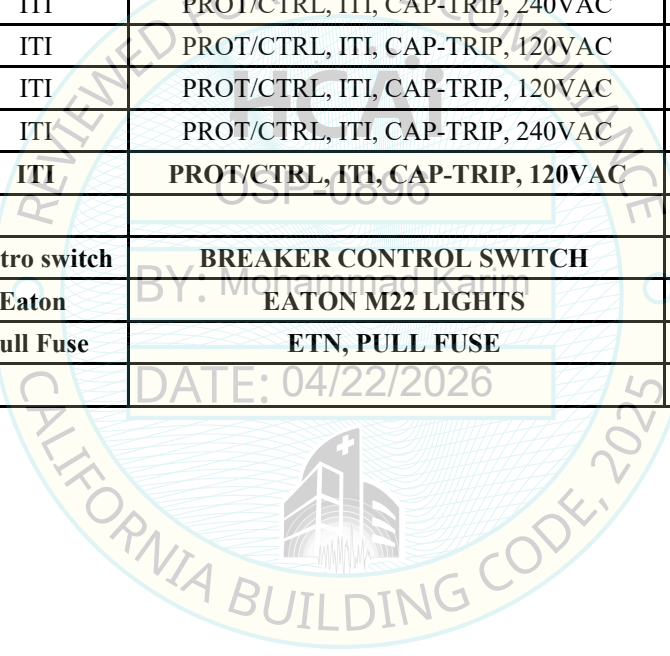
¹Section Types

- SEC = Sectionalizer
- PS = Pull Section
- UMS = Utility Metering Section
- Aux = Auxiliary / Cable Extender
- BC = Battery Cabinet
- G&T = Ground and Test Storage

TABLE 2	EATON 38 kV-HD MV SWITCHGEAR CERTIFIED SUBCOMPONENTS			
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT ¹
Power Circuit Breakers				
380VCPW-HD40	Eaton	600 A-2000 A	1072	UUT_x-2A, UUT_y-4B
380VCPW-HD32	Eaton	600 A-2500 A	1100	interpolated
380VCPW-HD32	Eaton	3000 A	1200	interpolated
380VCPW-HD40	Eaton	2500 A-3000 A	1200	UUT_x-1A, UUT_y-1A
Instrument Transformers - CPT's / CT's / VT's				
4106137	AFP	38 kV Single Phase CPT 25 kVA	700	UUT_y-4A
CT340-122	Amran	Single Ratio, STD ACC	31	UUT_x-2A, UUT_y-4B
CT340-xxxMR-xx	Amran	Multi Ratio, STD ACC	31	interpolated
CT341-xxx-xx	Amran	Single Ratio, High ACC	45	interpolated
CT341-302MR	Amran	Multi Ratio, High ACC	45	UUT_x-1A, UUT_y-1A
9628A06G11	ABB	CT SCP-2 Single Ratio, Std Acc	30	UUT_x-2A, UUT_y-4B
9628A06Gxx	ABB	CT SCG-4 Multi Ratio, Std Acc.	30	interpolated
7525A46Gxx	ABB	CT SCG-4 Multi Ratio, High Acc.	40	interpolated
7525A46G34	ABB	CT SCG-4 Single Ratio, High Acc	40	UUT_y-1A
7883A40G09	ABB	Voltage XFMR VIZ-20 18000/18000Y	161	UUT_x-1B
7883A40G03	ABB	Voltage XFMR VIZ-20 20125/34500Y	161	interpolated
7883A40G05	ABB	Voltage XFMR VIZ-20 24000/24000Y	161	interpolated
7883A40G10	ABB	Voltage XFMR VIZ-20 26400/26400Y	161	interpolated
7883A40G04	ABB	Voltage XFMR VIZ-20 27600/27600Y 120VAC	161	interpolated
7883A40G02	ABB	Voltage XFMR VIZ-20 27600/27600Y 115VAC	161	interpolated
7883A40G08	ABB	Voltage XFMR VIZ-20 34500/34500Y 120VAC	161	interpolated
7883A40G01	ABB	Voltage XFMR VIZ-20 34500/34500Y 115VAC	161	interpolated
7883A40G07	ABB	Voltage XFMR VIZ-20 34500/34500Y 110VAC	161	interpolated
7883A41G01	ABB	Voltage XFMR VIZ-20 20125/34500GY	165	interpolated
7883A41G05	ABB	Voltage XFMR VIZ-20 24000/24000GY	165	interpolated
7883A41G08	ABB	Voltage XFMR VIZ-20 24900/24900GY	165	interpolated
7883A41G06	ABB	Voltage XFMR VIZ-20 25000/25000GY	165	interpolated
7883A41G07	ABB	Voltage XFMR VIZ-20 26400/26400GY	165	interpolated
7883A41G10	ABB	Voltage XFMR VIZ-20 27600/27600GY	165	interpolated
7883A41G09	ABB	Voltage XFMR VIZ-20 28800/28800GY	165	interpolated
7883A41G02	ABB	Voltage XFMR VIZ-20 34500/34500GY	165	UUT_x-1B

TABLE 2	EATON 38 kV-HD MV SWITCHGEAR CERTIFIED SUBCOMPONENTS			
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT ¹
Instrument Transformers - CPT's / CT's / VT's				
V36.2-243-01	Amran	24000/24000GY 120VAC SEC V	150	UUT_y-1A
V36.2-2642-01	Amran	26400/26400GY 120VAC SEC	150	interpolated
V36.2-2762-01	Amran	27600/27600GY 120VAC SEC	150	interpolated
V36.2-2762-02	Amran	27600/27600GY 115VAC SEC	150	interpolated
V36.2-3452-01	Amran	34500/34500GY 120VAC SEC	150	interpolated
V36.2-3452-02	Amran	34500/34500GY 115VAC SEC	150	interpolated
V36.2-3452-03	Amran	34500/34500GY 110VAC SEC	150	UUT_y-1A
Drawout Fuses				
70A2570G05	Powercon	38KV 2-TILT OUT FUSE UNIT 50KA	825	UUT_y-4A
UMS Subcomponents - Instrument Transformers				
JVW-7	GE	G.E. VOLTAGE TRANSFORMER	140	UUT_y-1B
JKW-7	GE	G.E. CURRENT TRANSFORMER	60	UUT_y-1B
Surge Arresters / Capacitors				
D030SA024ADAA0	ABB	30KV, DISTRIBUTION CLASS ARR	5	UUT_y-4B
U030SA024BIAA0	ABB	30KV, INTERMEDIATE CLASS ARR	8	interpolated
D036SA029ADAA0	ABB	36KV, DISTRIBUTION CLASS ARR	10	interpolated
U036SA029BIAA0	ABB	36KV, INTERMEDIATE CLASS ARR	14	interpolated
Q030SA024ASAA6	ABB	30KV, STATION CLASS ARR	30	UUT_y-4B
UHS30120B0D0A1A	COOPER	30KV, DISTRIBUTION CLASS ARR	6	UUT_y-4B
UHS36140B0D0A1A	COOPER	36KV, DISTRIBUTION CLASS ARR	10	interpolated
UIAA030024A14BB24A	COOPER	30KV, INTERMEDIATE CLASS ARR	19	interpolated
UIAA036029A165BB21	COOPER	36KV, INTERMEDIATE CLASS ARR	19	interpolated
USAA030024A14BB21	COOPER	30KV, STATION CLASS ARR	32	interpolated
USAA036029A165BB21	COOPER	36KV, STATION CLASS ARR	34	UUT_y-4B
ZHP030-30XX0X	MCLEAN	30KV, DISTRIBUTION CLASS ARR	7	UUT_y-4B
ZHP036-30XX0X	MCLEAN	36KV, DISTRIBUTION CLASS ARR	7	interpolated
ZIP0030-B001	MCLEAN	30KV, INTERMEDIATE CLASS ARR	7	interpolated
ZIP0036-B001	MCLEAN	36KV, INTERMEDIATE CLASS ARR	8	interpolated
ZSP0030-B001	MCLEAN	30KV, STATION CLASS ARR	29	interpolated
ZSP0036-B001	MCLEAN	36KV, STATION CLASS ARR	33	UUT_y-4B

TABLE 2	EATON 38 kV-HD MV SWITCHGEAR CERTIFIED SUBCOMPONENTS			
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT ¹
Control Components - Protective Relays / Metering / Controllers				
SEL-751	SEL	SEL 700 SERIES	6	UUT_x-1A, UUT_x-2A
SEL-300	SEL	RELAY , SEL , SEL-300 SERIES	20	interpolated
SEL-400	SEL	SEL 400 SERIES	34	UUT_x-1A, UUT_x-2A
EDR-5000	EATON	EDR-5000, 8I/110, ZSI, MODBUS/DNP3 (RS485)	5	UUT_x-1A, UUT_x-2A
CTD-2	ITI	PROT/CTRL, ITI, CAP-TRIP, 120VAC	2	UUT_x-2A
CTD-4-240	ITI	PROT/CTRL, ITI, CAP-TRIP, 240VAC	2	interpolated
CTD-5-240	ITI	PROT/CTRL, ITI, CAP-TRIP, 240VAC	2	interpolated
CTD-5-120	ITI	PROT/CTRL, ITI, CAP-TRIP, 120VAC	2	interpolated
CTD-D-120	ITI	PROT/CTRL, ITI, CAP-TRIP, 120VAC	3	interpolated
CTDB-6-240	ITI	PROT/CTRL, ITI, CAP-TRIP, 240VAC	3	interpolated
CTDB-6-120	ITI	PROT/CTRL, ITI, CAP-TRIP, 120VAC	3	UUT_x-2A
245*D	Electro switch	BREAKER CONTROL SWITCH	1	UUT_x-1A, UUT_x-2A
M22-LED	Eaton	EATON M22 LIGHTS	1	UUT_x-1A, UUT_x-2A
3A40335GXX	Pull Fuse	ETN, PULL FUSE	1	UUT_x-1A, UUT_x-2A



UUT_x-1A

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



Mounting Details: Rigid floor mounted with (6) 5/8" grade 5 bolts



Manufacturer: Eaton **Test Location:** ETL, Dallas TX

Product Line: 38kV HD MV Switchgear **Test Date:** August 4-7, 2025

Component: 38kV-HD-MAIN/FEEDER **Report Number:** 17772-Rev1

UUT Function: Control, protection, and isolation of electrical equipment

UUT Description: Main/Feeder section, NEMA 1 carbon steel enclosure with 3000A main bus and Eaton 380VCPW-HD40 Circuit Breaker, SEL SEL-751 / SEL-400 Relays, Amran CT341-302MR CT Eaton EDR-5000, Electro Switch 245*D controls switch, Eaton M22-LED, Eaton Pull Fuse 3A40335GXX.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
5,074	42.0	125.0	95.5	6.4	4.8	14.7

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

CODE	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)
CBC 2025	1.0	1.0	3.5	1.3	1.5	1.60	1.08	-	-
	1.6	0	1.0	1.0	1.5	-	-	1.07	0.43

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-1B

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



Mounting Details: Rigid floor mounted with (6) 5/8" grade 5 bolts



Manufacturer: Eaton	Test Location: ETL, Dallas TX
Product Line: 38kV HD MV Switchgear	Test Date: August 4-7, 2025
Component: 38kV-HD-AUX/PS	Report Number: 17772-Rev1
UUT Function: Control, protection, and isolation of electrical equipment	
UUT Description: Auxiliary Pull section, NEMA 1 carbon steel enclosure with 3000A main bus and ABB 7883A40G09 / 7883A41G02 Voltage Transformers	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,450	42.0	125.0	95.5	6.4	4.8	14.7

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

CODE	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLEX-H} (g)	A _{RIG-H} (g)	A _{FLEX-V} (g)	A _{RIG-V} (g)
CBC 2025	1.0	1.0	3.5	1.3	1.5	1.60	1.08	-	-
	1.6	0	1.0	1.0	1.5	-	-	1.07	0.43

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-2A

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



Mounting Details: Rigid floor mounted with (6) 5/8" grade 5 bolts



Manufacturer: Eaton **Test Location:** ETL, Dallas TX

Product Line: 38kV HD MV Switchgear **Test Date:** August 4-7, 2025

Component: 38kV-HD-MAIN/FEEDER **Report Number:** 17772-Rev1

UUT Function: Control, protection, and isolation of electrical equipment

UUT Description: Main/Feeder section, NEMA 1 carbon steel enclosure with 1200A main bus and Eaton 380VCPW-HD40 circuit breaker, Amran CT340-122 CT, ABB 9628A06G11 CT, SEL SEL-751 / SEL-400 relays, EATON EDR-5000, ITI CTD-2 / CTDB-6-120 CT's, Electro Switch 245*D control switch, Eaton M22-LED and Eaton Pull Fuse 3A40335GXX.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,054	42.0	125.0	95.5	6.9	5.4	21.6

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

CODE	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)
CBC 2025	2.0	1.0	3.5	1.3	1.5	3.20	2.15	-	-
	2.5	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-2B

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (6) 5/8" grade 5 bolts



Manufacturer: Eaton	Test Location: ETL, Dallas TX
Product Line: 38kV HD MV Switchgear	Test Date: August 4-7, 2025
Component: 38kV-HD-PS	Report Number: 17772-Rev1
UUT Function: Control, protection, and isolation of electrical equipment	
UUT Description: Pull section, NEMA 1 carbon steel enclosure with 1200A main bus.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,000	42.0	125.0	95.5	6.9	5.4	21.6

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

CODE	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)
CBC 2025	2.0	1.0	3.5	1.3	1.5	3.20	2.15	-	-
	2.5	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-1A

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



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



Manufacturer: Eaton	Test Location: ETL, Dallas TX
Product Line: 38kV HD MV Switchgear	Test Date: October 22, 2025
Component: 38kV-HD-MAIN/FEEDER	Report Number: 17971-Rev1
UUT Function: Control, protection, and isolation of electrical equipment	
UUT Description: Main/Feeder section, NEMA 3R carbon steel enclosure with 3000A main bus and Eaton 380VCPW-HD40 circuit breaker, Amran CT341-302MR CT, ABB 7525A46G34 CT, Amran V36.2-243-01 / V36.2-3452-03 VT's.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
8,100	42.0	131.0	116.0	4.7	3.4	10.4

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

CODE	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)
CBC 2025	1.0	1.0	3.5	1.3	1.5	1.60	1.08	-	-
	1.6	0	1.0	1.0	1.5	-	-	1.07	0.43

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-1B

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



Mounting Details: Rigid floor mounted with (8) 1/2" grade 5 bolts



Manufacturer: Eaton	Test Location: ETL, Dallas TX
Product Line: 38kV HD MV Switchgear	Test Date: October 22, 2025
Component: 38kV-HD-UMS	Report Number: 17971-Rev1
UUT Function: Control, protection, and isolation of electrical equipment	
UUT Description: UMS section, NEMA 3R carbon steel enclosure with 3000A main bus and GE JVW-7 / JKW-7 VT's.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,666	60.0	131.0	116.0	4.7	3.4	10.4

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

CODE	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)
CBC 2025	1.0	1.0	3.5	1.3	1.5	1.60	1.08	-	-
	1.6	0	1.0	1.0	1.5	-	-	1.07	0.43

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-4A

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



Mounting Details: Rigid floor mounted with (6) 1/2" grade 5 bolts



Manufacturer: Eaton	Test Location: ETL, Dallas TX
Product Line: 38kV HD MV Switchgear	Test Date: October 22, 2025
Component: 38kV-HD-AUX	Report Number: 17971-Rev1
UUT Function: Control, protection, and isolation of electrical equipment	
UUT Description: Auxiliary section, NEMA 1 carbon steel enclosure with 1200A main bus and AFP 4106137 CPT, Powercon 70A2570G05 Tilt Out Fuse.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,605	42.0	125.0	95.5	6.8	6.5	22.1

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

CODE	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)
CBC 2025	2.0	1.0	3.5	1.3	1.5	3.20	2.15	-	-
	2.5	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-4B

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



Mounting Details: Rigid floor mounted with (6) 1/2" grade 5 bolts



Manufacturer: Eaton **Test Location:** ETL, Dallas TX

Product Line: 38kV HD MV Switchgear **Test Date:** October 22, 2025

Component: 38kV-HD-MAIN/FEEDER **Report Number:** 17971-Rev1

UUT Function: Control, protection, and isolation of electrical equipment

UUT Description: Main/Feeder section, NEMA 1 carbon steel enclosure with 1200A main bus and Eaton 380VCPW-HD40 circuit breaker, Amran CT340-122 CT, ABB 9628A06G11 CT, ABB D030SA024ADAA0 / Q030SA024ASAA6 arresters, COOPER UHS30120B0D0A1A / USAA036029A165BB21 arresters, MCLEAN ZHP030-30XX0X / ZSP0036-B001 arresters.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,745	42.0	125.0	95.5	6.8	6.5	22.1

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

CODE	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)
CBC 2025	2.0	1.0	3.5	1.3	1.5	3.20	2.15	-	-
	2.5	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.