APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0782

HCAI Special Seismic Certification Preapproval (OSP)

Type: [X] New [ ] Renewal

Manufacturer Information

Manufacturer: ABB Inc.

Manufacturer's Technical Representative: Tyler Diomedi

Mailing Address: 6801 Industrial Drive, Mebane, NC 27302

Telephone: (540) 529-6284 Email: Tyler.diomedi@us.abb.com

Product Information

Product Name: Switchgear/Switchboards

Product Type: Switchgear - Low Voltage

Product Model Number: ReliaGear LV SG

General Description: Low Voltage Switchgear for industrial, utility, and commercial applications.

Mounting Description: Rigid, Floor Mounted

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

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

Company Name: W.E. GUNDY & ASOCIATES 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

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.50 for SDS = 2.0g at z/h = 1 and 1.13 for SDS = 2.5g at z/h = 0

S_{DS} (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1.0) and 2.50 (z/h = 0.0)

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 10/13/2029

Date: 10/13/2023

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: S_{DS} (g) = See Above z/h = See Above

Condition of Approval (if applicable):

Table 1	ABB RELIAGEAR LV SWITCHGEAR CERTIFIED PRODUCT LINE MATRIX							
Identification	Description	NEMA[2]	Width (in)	Depth (in)	Height (in)	Max Weight (lbs)	Max COG (in)	Representative UUT[4]
ReliaGear-4H	**(4) 1200A Breakers**	**1**	**15**	**54**	**90**	**1045**	**48**	**UUT_z-1A**
ReliaGear-AT	Auxilliary / Transition Section	1, 12, 3R	15 - 39	54 - 83	90 - 112	1100	49	interpolated
ReliaGear-1H	(1) 800A to 5000A Breaker	1, 12, 3R	15 - 38	54 - 83	90 - 112	1100	49	interpolated
ReliaGear-2H	(2) 800A to 5000A Breakers	1, 12, 3R	15 - 38	54 - 83	90 - 112	1100	49	interpolated
ReliaGear-3H	(3) 800A to 5000A Breakers	1, 12, 3R	15 - 38	54 - 83	90 - 112	1100	49	interpolated
ReliaGear-4H	(4) 800A to 5000A Breakers	1, 12, 3R	15 - 38	54 - 83	90 - 112	1100	49	interpolated
ReliaGear-AT	**Auxilliary / Transition**	**1**	**30**	**60**	**90**	**1325**	**44**	**UUT_z-3A**
ReliaGear-AT	**Auxilliary / Transition**	**1**	**30**	**60**	**90**	**1454**	**44**	**UUT_z-3B**
ReliaGear-AT	**Auxilliary / Transition**	**1**	**39**	**78**	**96**	**1480**	**50**	**UUT_y-4B**
ReliaGear-AT	Auxilliary / Transition Section	1, 12, 3R	22 - 39	54 - 83	90 - 112	2000	50	interpolated
ReliaGear-1H	(1) 800A to 5000A Breaker	1, 12, 3R	22 - 38	54 - 83	90 - 112	2800	48	interpolated
ReliaGear-2H	(2) 800A to 5000A Breakers	1, 12, 3R	22 - 38	54 - 83	90 - 112	2800	48	interpolated
ReliaGear-3H	(3) 800A to 5000A Breakers	1, 12, 3R	22 - 38	54 - 83	90 - 112	2800	48	interpolated
ReliaGear-4H	(4) 800A to 5000A Breakers	1, 12, 3R	22 - 38	54 - 83	90 - 112	2800	48	interpolated
ReliaGear-3H	**(2) 2000A & (1) 3200A Breaker**	**1**	**22**	**54**	**90**	**2758**	**48**	**UUT_z-1B**
ReliaGear-4H	(4) 800A to 5000A Breakers	1, 12, 3R	30 - 38	54 - 83	90 - 112	3000	50	interpolated
ReliaGear-1H	(1) 800A to 5000A Breaker	1, 12, 3R	30 - 38	54 - 83	90 - 112	3500	50	interpolated
ReliaGear-2H	(2) 800A to 5000A Breakers	1, 12, 3R	30 - 38	54 - 83	90 - 112	3500	50	interpolated
ReliaGear-3H	(3) 800A to 5000A Breakers	1, 12, 3R	30 - 38	54 - 83	90 - 112	3500	50	interpolated
ReliaGear-1H	**(1) 6000A Breaker**	**1**	**50**	**78**	**96**	**3787**	**50**	**UUT_y-4A**

General Notes:

[1.] All components are manufactured by ABB, Inc. unless noted. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component with the tested units.

[2.] NEMA 1/12/3R enclosures are constructed of carbon steel.

[3.] Standalone sections of switchgear are not seismically certified. A minumum of 2 mated sections is required for seismic certfication.

[4.] Subscript indicates the test report in which the units were qualified:
y - 16763, z - 16617

Table 1	ABB RELIAGEAR LV SWITCHGEAR CERTIFIED PRODUCT LINE MATRIX							WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
Identification	Description	NEMA[2]	Width (in)	Depth (in)	Height (in)	Max Weight (lbs)	Max COG (in)	Representative UUT [4]
ReliaGear-1H	**(1) 5000A Breaker**	**3R**	**38**	**83**	**112**	**3872**	**50**	**UUT_z-2B**
ReliaGear-1H	(1) 800A to 5000A Breaker	1, 12, 3R	38	54 - 83	90 - 112	3900	50	interpolated
ReliaGear-3H	(3) 800A to 5000A Breakers	1, 12, 3R	38	54 - 83	90 - 112	3900	48	interpolated
ReliaGear-1H	(1) 6000A Breaker	1, 12, 3R	49	54 - 83	90 - 112	3900	50	interpolated
ReliaGear-2H	(2) 800A to 5000A Breakers	1, 12, 3R	38	54 - 83	90 - 112	4470	46	interpolated
ReliaGear-2H	(2) 800A to 5000A Breakers	1, 12, 3R	38	74 - 83	90 - 112	4470	50	interpolated
ReliaGear-2H	**(2) 4000A Breakers**	**3R**	**38**	**83**	**112**	**4473**	**50**	**UUT_z-2A**

General Notes:

[1.] All components are manufactured by ABB, Inc. unless noted. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component with the tested units.

[2.] NEMA 1/12/3R enclosures are constructed of carbon steel.

[3.] Standalone sections of switchgear are not seismically certified. A minumum of 2 mated sections is required for seismic certfication.

[4.] Subscript indicates the test report in which the units were qualified:
y - 16763, z - 16617

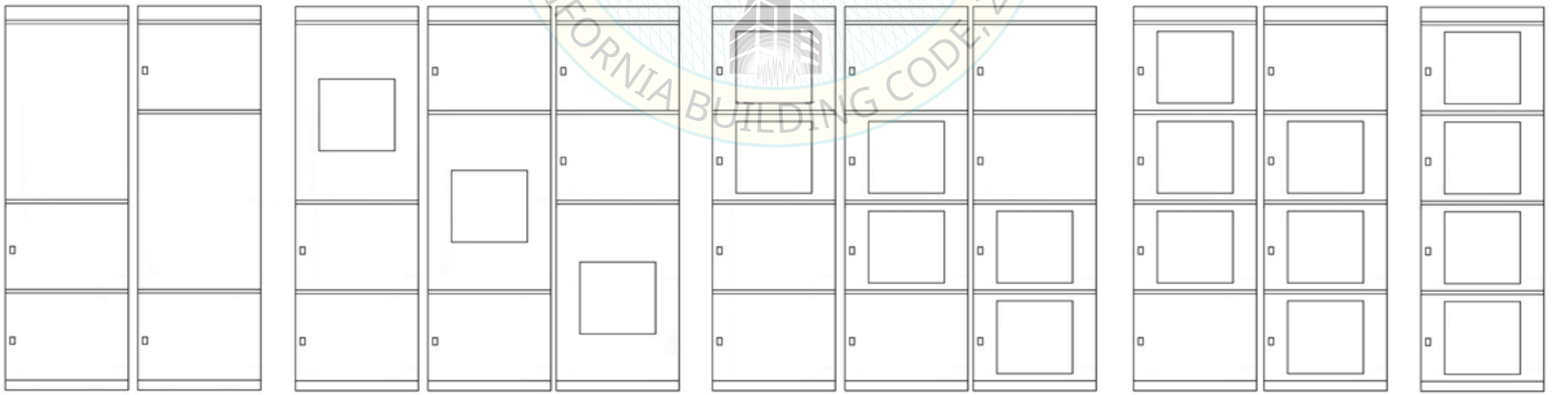


Table 2	ABB RELIAGEAR LV SWITCHGEAR CERTIFIED SUBCOMPONENT MATRICES			WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT [1]
SACE Emax 2 Circuit Breakers				
Emax E1.2		1200A Drawout 3P	90	UUT_z-1A
Emax E1.2	ABB	800A-1200A Drawout 3P-4P	90-103	interpolated
Emax E2.2		2000A Drawout 3P	130	UUT_z-1B
Emax E2.2		800A-2000A Drawout 3P-4P	130-240	interpolated
Emax E4.2		3200A Drawout 3P	300	UUT_z-1B
Emax E4.2		800A-3200A Drawout 3P-4P	260-380	interpolated
Emax E6.2		4000A Drawout 3P	490	UUT_z-2A
Emax E6.2		5000A Drawout 3P	490	UUT_z-2B
Emax E6.2		3200A-5000A Drawout 3P-4P	490-620	interpolated
Emax E6.2		6000A Drawout 3P	820	UUT_y-4A
Surge Protective Device (SPD)				
TPHE277Y12SG	GE	TVSS / SPD	24	UUT_z-2B
TPHE*			24	interpolated
TPHE277Y30SG			24	UUT_z-2B
Transformers				
9T58K2812	GE / ABB	Control Power Transformers	18	UUT_z-3B
9T*			18 - 110	interpolated
9T22B4311			85	UUT_z-3A/B
9T22B4313			110	UUT_z-3B
567TL-202	GE ITI / ABB	Current Transformer	4	UUT_z-3A
56*			4 - 12	interpolated
568TL-502			6	UUT_z-3A
568TL-802			12	UUT_z-3A
0344A8615P002			8	UUT_z-3A
3VTL460-480	GE	Power Transformer 3PH-100VA	24	UUT_z-3A
3VTL*			24	interpolated
3VTL460-600			24	UUT_z-3B
PPW 7526A04G04	ABB	Auxiliary Power Transformer	9	UUT_z-1B
PP*			9 - 19	interpolated
PPM 7526A10G02			19	UUT_z-2A/B

General Notes:

[1] Subscript indicates the test report in which the units were qualified: $_y$ - 16763, $_z$ - 16617

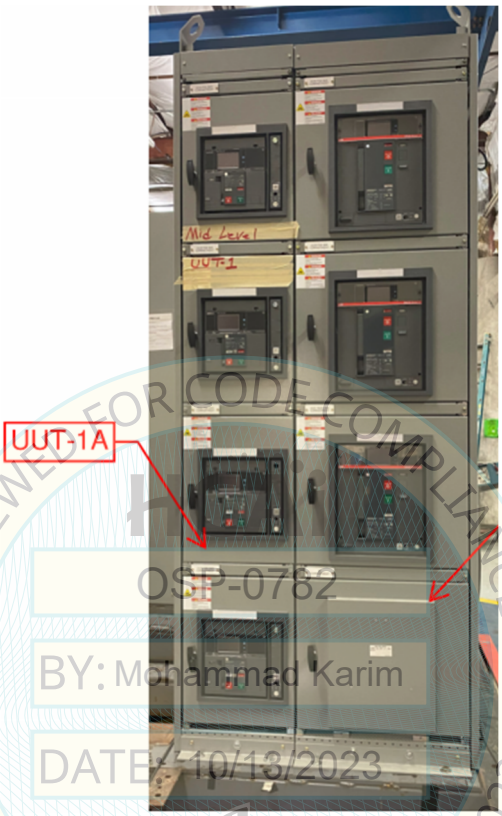
Table 2	ABB RELIAGEAR LV SWITCHGEAR CERTIFIED SUBCOMPONENT MATRICES			WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT [1]
Transformers				
0173B4776P004	Amran	Current Transformer	5	UUT_z-1B
0173B4776P*			5	interpolated
0173B4776P014			5	UUT_z-1B
0173B4776P015			5	UUT_z-1B
0275B9556P005			6	UUT_z-2A/B
0275B9556*			6	interpolated
0275B9440P018			9	UUT_z-1B
0275B9440*			9	interpolated
0275B9556P006			10	UUT_z-2A/B
279B1396P003			12	UUT_y-4A
Communication				
RX3I	Emerson	Rx3I Controller	8	UUT_z-3B
Auto Charge Trip Devices				
CTDB-6-120	GE ITI / ABB	120 VAC Input	1	UUT_z-3B
CTDB-6-240		240 VAC Input	1	UUT_z-3B
Power Management Systems				
11 RT G2 1kVA	ABB	UPS, PowerValue 1kVA	50	UUT_z-3B
11 RT G2 1-3kVA		UPS, PowerValue 1.5/2kVA	70	interpolated
11 RT G2 3kVA		UPS, PowerValue 3kVA	101	UUT_z-3A
Neutral Sensor Frames				
ZE1NCT1PCT	ABB	E2.2 Neutral Sensor	2	UUT_z-1B
ZE*		E1.2, E2.2, E4.2, E6.2 Neutral Sensor	2 - 5	interpolated
ZE6NCTF1PCT		E6.2 Neutral Sensor	5	UUT_z-2B

General Notes:

[1] Subscript indicates the test report in which the units were qualified: $_y$ - 16763, $_z$ - 16617

UUT_z-1A	**UNIT UNDER TEST (UUT) SUMMARY SHEET**	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (4) ½" Grade 5 bolts



Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** July 2022
Model Number: ReliaGear-4H	**Report Number:** 16617
UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity	
UUT Description: NEMA 1 carbon steel enclosure with four Emax E1.2 1200A circuit breakers	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,045	15	54	90	6.2	4.9	18.9

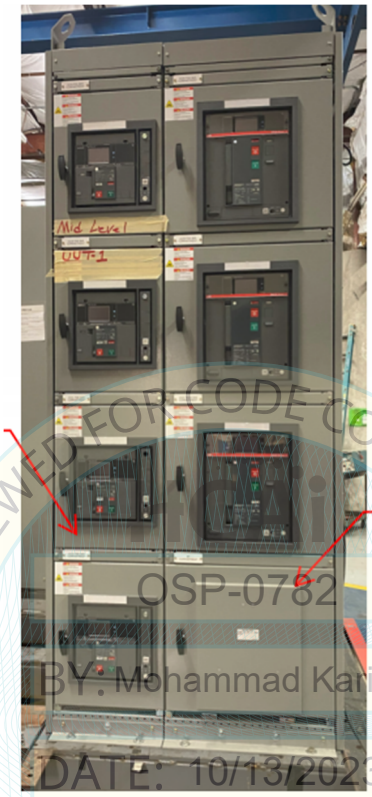
SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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-1B	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (4) ½" Grade 5 bolts



Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** July 2022
Model Number: ReliaGear-3H	**Report Number:** 16617

UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity

UUT Description: NEMA 1 carbon steel enclosure with (2) Emax E2.2 2000A breakers and (1) Emax E4.2 3200A circuit breaker, 0173B4776P004/14/15 and 0275B9440P018 current transformers, PPW 7526A04G04 aux transformer, and ZE1NCT1PCT E2.2 neutral sensor

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,758	22	54	90	6.2	4.9	18.9

SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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-2A	**UNIT UNDER TEST (UUT) SUMMARY SHEET**	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (4) 1/4" thick by 12" long fillet welds

Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** July 2022
Model Number: ReliaGear-2H	**Report Number:** 16617
UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity	
UUT Description: NEMA 3R carbon steel enclosure with (2) Emax E6.2 4000A circuit breakers, 0275B9556P005/6 current transformers, and PPM 7526A10G02 aux transformer.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,473	38	83	112	5.0	4.1	13.2

SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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$_z$-2B	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (4) 1/4" thick by 12" long fillet welds

Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** July 2022
Model Number: ReliaGear-1H	**Report Number:** 16617

UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity

UUT Description: NEMA 3R carbon steel enclosure with (1) Emax E6.2 5000A circuit breaker, 0275B9556P005/6 current transformers, PPM 7526A10G02 aux transformer, ZE6NCTF1PCT E6.2 neutral sensor, and TPHE277Y12/30 surge protective devices.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,872	38	83	112	5.0	4.1	13.2

SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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$_z$-3A	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

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

Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** July 2022
Model Number: ReliaGear-AT	**Report Number:** 16617

UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity

UUT Description: NEMA 1 carbon steel enclosure with 567TL-202 / 568TL-502/802 / 0344A8615P002 current transformers, 3VTL460-480 power transformer, PPM7526A10G02 aux transformer, 9T22B4311 control power transformer, and 11 RT GT 3kVA UPS.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,325	30	60	90	14.7	7.5	17.7

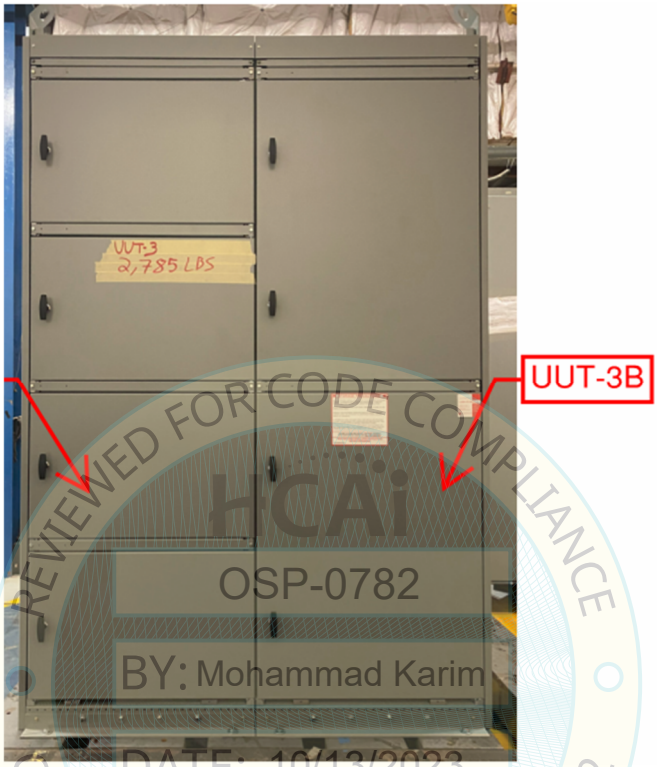
SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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-3B	**UNIT UNDER TEST (UUT) SUMMARY SHEET**	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

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



Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** July 2022
Model Number: ReliaGear-AT	**Report Number:** 16617

UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity

UUT Description: NEMA 1 carbon steel enclosure with 9T58K2811/12/13 control power transformers, 3VTL460-600 power transformer, RX3I controller, CTDB-6-120/240 trip devices, and 11RT G2 1kA UPS.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,454	30	60	90	14.7	7.5	17.7

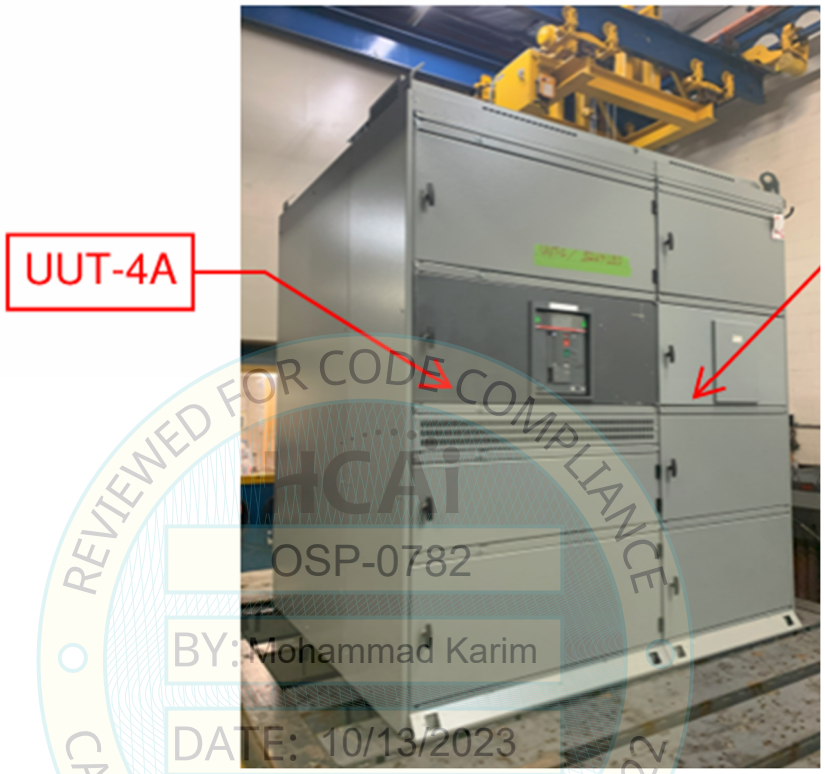
SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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-4A	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

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



Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** December 2022
Model Number: ReliaGear-1H	**Report Number:** 16763
UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity	
UUT Description: NEMA 1 carbon steel enclosure with Emax 6.2 6000A circuit breaker and 279B1396P003 current transformers.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,787	50	78	96	6.2	9.1	16.4

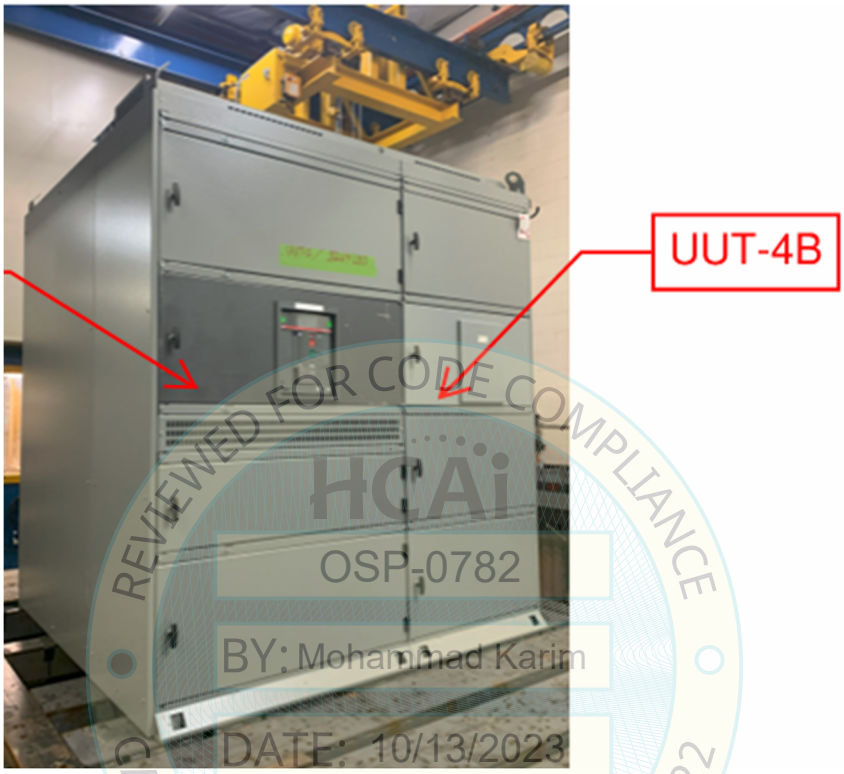
SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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-4B	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

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



Manufacturer: ABB, Inc.	**Test Location:** ETL (Dallas, TX)
Component: ReliaGear LV Switchgear	**Test Date:** December 2022
Model Number: ReliaGear-AT	**Report Number:** 16763
UUT Function: Synchronization of multiple power sources to main bus for distribution of electricity	
UUT Description: NEMA 1 carbon steel enclosure with future breaker compartment.	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,480	39	78	96	6.2	9.1	16.4

SEISMIC TEST PARAMETERS

Building Code / Test Criteria	S_{DS} (g)	z / h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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.