

# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	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@u	is.abb.com
Product Information	1D.
Product Name: Switchgear/Switchboards	14
Product Type: Switchgear - Low Voltage	2
Product Model Number: ReliaGear LV SG	- m
General Description: Low Voltage Switchgear for industrial, utility, and co	ommercial applications.
Mounting Description: Rigid, Floor Mounted	
Tested Seismic Enhancements: None DATE: 10/13/2023	
Applicant Information	Les la
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.c	om
Title: President	



"A healthier California where all receive equitable, affordable, and quality health care" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0782

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# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

alifornia Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: W.E. GUNDY & ASOCIATES INC.
lame: Travis Soppe California License Number: S6115
Address: P.O. Box 9121, Boise, ID 83707
elephone: (208) 342-5989 Email: tsoppe@wegai.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
EOR CODE CO.
esting Laboratory
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Jeremy Lange
Aailing Address: 11034 Indian Trail, Dallas TX 75229-3513
elephone: (972) 247-9657 Email: Jeremy@etIdallas.com
O DATE: 10/13/2023
PLI
DATE: 10/13/2023



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OSP-0782



# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

#### Seismic Parameters

Design Basis of Equipment or Components	(Fp/Wp) =	1.50 for SDS = 2.0g	at z/h = 1 and	1.13 for SDS = 2.5g at z/h = 0						
SDS (Design spectral response accele	eration at sh	ort period, g) = $2.00$ (2)	z/h = 1.0) and	2.50 (z/h = 0.0)						
ap (Amplification factor) =	2.5									
Rp (Response modification factor) =	6.0									
$\Omega_0$ (System overstrength factor) =	2.0									
lp (Importance factor) =	lp (Importance factor) = 1.5									
z/h (Height ratio factor) =	z/h (Height ratio factor) = 1 and 0									
Natural frequencies (Hz) =	See Attach	ment								
Overall dimensions and weight = HCAI Approval (For Office Use Only) -	See Attach	CON CON	D29 7							
Date: 10/13/2023		OSP-0782	1 G							
Name: Mohammad Karim			Title:	Supervisor, Health Facilities						
Special Seismic Certification Valid Up to: St	os (g) = Se	ohammad Karim e Above	z/h =	See Above						
Condition of Approval (if applicable):	DATE	• 10/13/2023								
FIT	DRNIA E	PUILDING CO	DE: SV							



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Table 1	ABB REI CERTIFI		R LV SW DUCT LI					WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
Identification	Description	NEMA <sup>2</sup>	Width (in)	Depth (in)	Height (in)	Max Weight (lbs)	Max COG (in)	Representative UUT <sup>4</sup>
ReliaGear-4H	(4) 1200A Breakers	1	15	54	90	1045	48	UUT <sub>z</sub> -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 <sub>z</sub> -3A
ReliaGear-AT	Auxilliary / Transition		30	60	90	1454	44	UUT <sub>z</sub> -3B
ReliaGear-AT	Auxilliary / Transition	103	5P- <b>39</b> /82	78	96	1480	50	UUT <sub>y</sub> -4B
ReliaGear-AT	Auxilliary / Transition Section	1, 12, 3R	22 - 39	54 - 83	<mark>90 - 1</mark> 12	2000	50	interpolated
ReliaGear-1H	(1) 800A to 5000A Breaker	B1, 12, 3R	an22n-38 K	ar54n 83	<mark>90 - 1</mark> 12	2800	48	interpolated
ReliaGear-2H	(2) 800A to 5000A Breakers	1, 12, 3R	22 - 38	54 - 83	<mark>90 - 1</mark> 12	2800	48	interpolated
ReliaGear-3H	(3) 800A to 5000A Breakers	1, 12, 3R	1 22 - 38 20	254 - 83	<u>90 - 112</u>	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		22	54	90	2758	48	UUT <sub>z</sub> -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 <sub>y</sub> -4A

#### **General Notes:**

<sup>1.</sup> 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.

<sup>2.</sup> NEMA 1/12/3R enclosures are constructed of carbon steel.

<sup>3.</sup> Standalone sections of switchgear are not seismically certified. A minumum of 2 mated sections is required for seismic certification.

<sup>4.</sup> Subscript indicates the test report in which the units were qualified:

y - 16763, z - 16617

Table 1	ABB RE CERTIFI		R LV SW DUCT LI					WEGAI W.E. GUNDY & ASSOCIATES, INC STRUCTURAL & EARTHQUARE ENGINEERIN
Identification	Description	NEMA <sup>2</sup>	Width (in)	Depth (in)	Height (in)	Max Weight (lbs)	Max COG (in)	Representative UUT <sup>4</sup>
ReliaGear-1H	(1) 5000A Breaker	3R	38	83	112	3872	50	UUT <sub>z</sub> -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	$CO_{49}E$	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 <sub>z</sub> -2A
y - 16763, z - 16			10/13/20	00		0		
0 0								

Table 2		RELIAGEAR LV SWITCHGEAR FIED SUBCOMPONENT MATRICES	W.E. GUNE STRUCTURAL	EGAI Y & ASSOCIATES, INC.							
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT <sup>1</sup>							
		SACE Emax 2 Circuit Breakers									
Emax E1.2		1200A Drawout 3P	90	UUT <sub>z</sub> -1A							
Emax E1.2		800A-1200A Drawout 3P-4P	90-103	interpolated							
Emax E2.2		2000A Drawout 3P	130	UUT <sub>z</sub> -1B							
Emax E2.2		800A-2000A Drawout 3P-4P	130-240	interpolated							
Emax E4.2		3200A Drawout 3P	300	UUT <sub>z</sub> -1B							
Emax E4.2	ABB	800A-3200A Drawout 3P-4P	260-380	interpolated							
Emax E6.2		4000A Drawout 3P	490	UUT <sub>z</sub> -2A							
Emax E6.2		5000A Drawout 3P	490	UUT <sub>z</sub> -2B							
Emax E6.2		3200A-5000A Drawout 3P-4P	490-620	interpolated							
Emax E6.2		6000A Drawout 3P	820	UUT <sub>v</sub> -4A							
	Surge Protective Device (SPD)										
TPHE277Y12SG			24	UUT <sub>z</sub> -2B							
TPHE*	GE	TVSS / SPD	24	interpolated							
TPHE277Y30SG	4	OSP-0782	24	UUT <sub>z</sub> -2B							
	9	Transformers		L							
9T58K2812		BY: Mohammad Karim	18	UUT <sub>z</sub> -3B							
9T*			18 - 110	interpolated							
9T22B4311	GE / ABB	Control Power Transformers	85	UUT <sub>z</sub> -3A/B							
9T22B4313		DATE: 10/13/2023	110	UUT <sub>z</sub> -3B							
567TL-202			4	UUT <sub>z</sub> -3A							
56*			4 - 12	interpolated							
568TL-502	GE ITI / ABB	Current Transformer	6	UUT <sub>z</sub> -3A							
568TL-802			12	UUT <sub>z</sub> -3A							
0344A8615P002		ABUILDING	8	UUT <sub>z</sub> -3A							
3VTL460-480			24	UUT <sub>z</sub> -3A							
3VTL*	GE	Power Transformer 3PH-100VA	24	interpolated							
3VTL460-600			24	UUT <sub>z</sub> -3B							
PPW 7526A04G04			9	UUT <sub>z</sub> -1B							
PP*	ABB	Auxiliary Power Transformer	9 - 19	interpolated							
PPM 7526A10G02		-	19	UUT <sub>z</sub> -2A/B							
General Notes:			1	L							

#### General Notes:

<sup>1</sup> Subscript indicates the test report in which the units were qualified:  $_{y}$  - 16763,  $_{z}$  - 16617

Table 2		RELIAGEAR LV SWITCHGEAR TIED SUBCOMPONENT MATRICES	WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING							
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT <sup>1</sup>						
	-	Transformers								
0173B4776P004			5	UUT <sub>z</sub> -1B						
0173B4776P*			5	interpolated						
0173B4776P014			5	UUT <sub>z</sub> -1B						
0173B4776P015			5	UUT <sub>z</sub> -1B						
0275B9556P005	<b>A</b>	Current Transformer	6	UUT <sub>z</sub> -2A/B						
0275B9556*	Amran	Current Transformer	6	interpolated						
0275B9440P018			9	UUT <sub>z</sub> -1B						
0275B9440*			9	interpolated						
0275B9556P006		OR CODE CO	10	UUT <sub>z</sub> -2A/B						
279B1396P003		DE FORMUNICA OLA	12	UUT <sub>v</sub> -4A						
Communication										
RX3I	Emerson	Rx3I Controller	8	UUT <sub>z</sub> -3B						
	Lī.	Auto Charge Trip Devices	•							
CTDB-6-120		120 VAC Input	1	UUT <sub>z</sub> -3B						
CTDB-6-240	GE ITI / ABB	240 VAC Input	1	UUT <sub>z</sub> -3B						
	0	Power Management Systems	•							
11 RT G2 1kVA		UPS, PowerValue 1kVA	50	UUT <sub>z</sub> -3B						
11 RT G2 1-3kVA	ABB	DAI UPS, PowerValue 1.5/2kVA	70	interpolated						
11 RT G2 3kVA		UPS, PowerValue 3kVA	101	UUT <sub>z</sub> -3A						
		Neutral Sensor Frames								
ZE1NCT1PCT		E2.2 Neutral Sensor	2	UUT <sub>z</sub> -1B						
ZE*	ABB	E1.2, E2.2, E4.2, E6.2 Neutral Sensor	2 - 5	interpolated						
ZE6NCTF1PCT	ŀ	E6.2 Neutral Sensor	5	UUT <sub>z</sub> -2B						
General Notes: <sup>1</sup> Subscript indicates	the test report in	h which the units were qualified: $_{y}$ - 16763, $_{z}$ - 16617								

UUTz-1A

## UNIT UNDER TEST (UUT) SUMMARY SHEET



**Mounting Details:** Rigid floor mounted with (4) <sup>1</sup>/<sub>2</sub>" Grade 5 bolts

	CHANNEL CHANNEL	UUTO1A BY: DA1				arim 23				
Manufacturer		vitabaaar				Test Locati	/		ıllas, TX)	
	ReliaGear LV Sv r: ReliaGear-4H	-///				Test Date: <mark>Report</mark> Nur	-			
	: Synchronizati		ble	DIL					ion of ele	etricity
	ion: NEMA 1 ca	arbon steel (	enc	losure		ur Emax E1				
	Dim	nensions (in					Natu	ral Frec	juency (H	z)
Weight (lb)	Width	Depth		/	eight	FB		S		V
1,045	15	54			90	6.2		4.	9	18.9
		SEISM	IIC	TEST	<b>F PAR</b>	AMETERS				
Building Code	e / Test Criteria	$S_{DS}(g)$	Z	z / h	IP	$A_{FLX-H}\left(g ight)$	A <sub>RI</sub>	G-н (g)	A <sub>FLX-V</sub> (§	g) A <sub>RIG-V</sub> (
		2.00		1.0	1.5	3.20	2	.40	-	-
CBC 2022 / I	CC-ES AC156	2.50		0.0	1.5	-		-	1.67	0.67
	as full of contents du ural integrity during	ring testing a	nd r	remained	d functio		after tl	he ICC-E		



**Mounting Details:** Rigid floor mounted with (4) <sup>1</sup>/<sub>2</sub>" Grade 5 bolts

Manufacturer	· ABB Inc			13/20	UUT-IB UUT-IB anim 23	on: ETL (Da	allas TY)	
	ReliaGear LV Sv	vitchgear			Fest Date:	1	inas, 17()	
Model Numbe	r: ReliaGear-3H	ITAN				<b>.</b> <b></b>		
<b>UUT Function</b>	: Synchronization	on of multi	ole power	sources	to main bus	s for distribu	tion of elec	tricity
	ion: NEMA 1 ca 3200A circu	rbon steel e uit breaker, (	nclosure v 0173B477	vith (2) 6P004/1	Emax E2.2 2 4/15 and 02		rs and (1) E 3 current tra	max E4.2
			UUT PR	OPERT	TIES			
Weight (lb)	Din	nensions (in	iches)			Natural Free	quency (Hz	z)
6 ( )	Width	Depth		eight	FB	S		V
2,758	22	54		90	6.2	4.	.9	18.9
		SEISN	IIC TEST	<b>F PAR</b> A	METERS		-	-
Building Code	e / Test Criteria	$S_{DS}\left(g ight)$	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}\left(g ight)$	A <sub>FLX-V</sub> (g	$A_{RIG-V}(g)$
CBC 2022 / I	CC-ES AC156	2.00 2.50	1.0 0.0	1.5 1.5	3.20	2.40	- 1.67	- 0.67
	as full of contents du ural integrity during	ring testing a	nd remaine	d function		after the ICC-E		

UUTz-2A

## UNIT UNDER TEST (UUT) SUMMARY SHEET



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

UUT-2A VUT-2A Ai BY: Mohar mad Karin DATE: 10/13/2023											
Manufacturer		C				Test Locati			ıllas, TX	K)	
-	ReliaGear LV Sv r: ReliaGear-2H		M			Test Date:					
	: Synchronization			SUIL	$\rightarrow$	Report Nur			tion of a	laat	ricity
	ion: NEMA 3R			-							-
						(2) Emax E( , and PPM $(2)$					
			UU	J <b>T PR</b>	OPER	<b>TIES</b>					
	Din	nensions (in					Natı	ural Frec	juency (	Hz)	
Weight (lb)	Width	Depth			eight	FB		S			V
4,473	38	83			12	5.0		4.	1		13.2
		SEISM		TEST	<b>F</b> PAR	AMETERS					
Building Code	e / Test Criteria	$S_{DS}(g)$		z / h	IP	A <sub>FLX-H</sub> (g)	A <sub>RI</sub>	G-н (g)	A <sub>FLX-V</sub>	(g)	$A_{RIG-V}(g)$
		2.00		1.0	1.5	3.20		2.40	-		-
CBC 2022 / I	CC-ES AC156	2.50		0.0	1.5	_		-	1.67	7	0.67
	as full of contents du ural integrity during	iring testing a		remaine	d functio		after t	he ICC-E			

UUTz-2B

## UNIT UNDER TEST (UUT) SUMMARY SHEET



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

UUT-2B HIC / HIC											
Manufacturer	: ABB, Inc.					Test Loca <mark>t</mark> i	on: l	ETL (Da	llas, TX	()	
Component:	ReliaGear LV Sv	vitchgear				Test Date:	July 2	2022			
Model Numbe	r: ReliaGear-1H	I	M			Report Nur	nber	: 16617			
<b>UUT Function</b>	: Synchronizati	on of multip	ole	power	sources	s to main bu	s for	distribut	ion of e	lect	ricity
UUT Descript		P005/6 cur	ren	t transi	formers	(1) Emax E6 , PPM 7526 d TPHE277	A100	GO2 aux	transfor	mer	,
			UU	J <b>T PR</b>	OPERT	TIES					
Waight (1b)	Din	nensions (in	ch	es)			Natı	ural Freq	uency (	Hz)	
Weight (lb)	Width	Depth			eight	FB		S	S		V
3,872	38	83		1	.12	5.0		4.	1		13.2
		SEISM	IIC	C TEST	Γ PARA	AMETERS					
Building Code	e / Test Criteria	S <sub>DS</sub> (g)		z / h	IP	$A_{FLX-H}(g)$	A <sub>RI</sub>	G-н (g)	A <sub>FLX-V</sub>	(g)	$A_{RIG-V}(g)$
		2.00		1.0	1.5	3.20	2	2.40	-		-
	CC-ES AC156	2.50		0.0	1.5	-		-	1.67		0.67
	as full of contents du ural integrity during						after t	he ICC-E	S AC156	test.	The unit

**UNIT UNDER TEST (UUT)** UUT<sub>z</sub>-3A **SUMMARY SHEET** Mounting Details: Rigid floor mounted with (4) 1/2" Grade 5 bolts 7851BS UUT-3A arim 3/202 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** Natural Frequency (Hz) **Dimensions (inches)** Weight (lb) Width Depth Height FB SS V 1,325 30 60 90 14.7 7.5 17.7 SEISMIC TEST PARAMETERS Building Code / Test Criteria z / h  $S_{DS}(g)$ Ip  $A_{FLX-H}(g)$  $A_{RIG-H}(g)$  $A_{FLX-V}(g)$  $A_{RIG-V}(g)$ 2.00 1.0 1.5 3.20 2.40\_ \_ CBC 2022 / ICC-ES AC156 1.5 2.50 0.0 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.



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

	6		( )					
		BY:		13/20	arim	JT-3B	11	
Manufacturer	ReliaGear LV Sv	vitchgear		- <del>2002</del>	Test Locati	on: ETL (Da	allas, 1 X)	
-	er: ReliaGear-A					<b>mber:</b> 16617		
	: Synchronizati	1/1/2	nle nower					tricity
	ion: NEMA 1 c	arbon steel 500 power t	enclosure	with 97	Г58K2811/1		power trans	sformers,
			UUT PR	OPERT	TIES			
Weight (lb)	Din	nensions (in	iches)			Natural Free	quency (Hz)	)
0	Width	Depth		eight	FB		S	V
1,454	30	60		90	14.7		.5	17.7
		SEISN	IIC TEST	Γ PARA	AMETERS			1
Building Cod	e / Test Criteria	S <sub>DS</sub> (g)	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CBC 2022 / I	CC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.67	0.67
	as full of contents du tural integrity during					after the ICC-E	ES AC156 test	. The unit



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

		SENED F	OR CO OSP-	0782 mad k	arim 023				
Manufacturer	: ABB, Inc.				Test Locati	on: ETL (Da	ıllas, TX)		
Component:	ReliaGear LV Sv	vitchgear			Test Date:	December 20	22		
Model Number: ReliaGear-1H					Report Number: 16763				
<b>UUT Function</b>	: Synchronization	on of multip	ple power	sources	s to main bu	s for distribut	tion of elect	ricity	
UUT Descript	ion: NEMA 1 ca 279B1396F				max 6.2 600	0A circuit bro	eaker and		
			UUT PRO	OPERT	TIES				
Waisht (11-)	Dimensions (inches)				Natural Frequency (Hz)				
Weight (lb)	Width	Depth		eight	FB	S		V	
3,787	50	78		96	6.2	9.	1	16.4	
		SEISM	IIC TEST	<b>F PAR</b>	AMETERS				
Building Code	e / Test Criteria	$S_{DS}\left(g ight)$	z / h	IP	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CDC 2022 / I		2.00	1.0	1.5	3.20	2.40	-	-	
CBC 2022 / ICC-ES AC156		2.50	0.0	1.5	-	-	1.67	0.67	
	as full of contents du tural integrity during					after the ICC-E	S AC156 test.	The unit	



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

		BY: DA	BRCC BRCC BRCC BRCC BRCC		-	UUT-4B				
Manufacturer: ABB, Inc.					Test Location: ETL (Dallas, TX)					
Component: ReliaGear LV Switchgear					Test Date: December 2022					
Model Number: ReliaGear-AT				TAH	Report Number: 16763					
	: Synchronizati							ectricity		
UUT Descript	ion: NEMA 1 c	arbon steel	enclosure	with fu	ture breaker	r compartmen	it.			
-			UUT PRO	OPER	TIES					
Weight (lb)	Din	Dimensions (inches)			Natural Frequency (Hz)					
	Width	Depth	Height		FB		S	V		
1,480	39	78		96	6.2	9.	.1	16.4		
		SEISM	IIC TEST	Γ PAR	AMETERS		I	I		
Building Cod	e / Test Criteria	$S_{DS}(g)$	z / h	I <sub>P</sub>	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g ight)$	A <sub>FLX-V</sub> (	g) A <sub>RIG-V</sub> (§		
CBC 2022 / I	CDC 2022 / ICC ES A CLEC		1.0	1.5	3.20	2.40	-	-		
CBC 2022 / ICC-ES AC156		2.50	0.0	1.5	-	-	1.67	0.67		
	as full of contents du tural integrity during					after the ICC-E	S AC156 te	est. The unit		