



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

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0037

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Square D by Schneider Electric

Manufacturer's Technical Representative: Scott Littler

Mailing Address: 330 Weakley Lane, Smyrna, TN 37167

Telephone: (615) 267-9407

Email: Scott.Littler@se.com

Product Information

Product Name: Switchgear/Switchboards

Product Type: Switchgear - Medium Voltage

Product Model Number: HVL (2.4V to 38kV) Metal-Enclosed Load Interrupting Switchgear systems with bus Ampacity ratings from 1200A to 2000A (see Certified Product Listing tables).

General Description: Distribution and Auxiliary/Meter bay Metal-Enclosed Load Interrupting Switchgear sections packaged in NEMA Type 1 and Type 3R sheet metal framed enclosures. Options and sub-components consist of overtoggle mechanism switches, motor operated and manual operated stored energy mechanism switches, voltage transformers, control power transformers, meters, protective relays, and surge capacitors (see Certified Major Sub-Components table).

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Galen Reid

Mailing Address: 233 SW Wilson Ave., Suite 101, Bend, OR 97702

Telephone: (541) 604-7225

Email: greid@structint.com

Title: Manager, TRU Compliance





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

Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.
Name: Andrew Coughlin California License Number: S6082
Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 95138-1025
Telephone: (415) 635-8461 Email: acoughlin@structint.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

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)
Contact Person: Amarnath Kasalanati
Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729
Telephone: (510) 642-6475 Email: amarnath1@berkeley.edu

Company Name: UNIVERSITY OF BUFFALO (SEESL)
Contact Person: Mark Pitman
Mailing Address: 212 Ketter Hall, Buffalo NY 14260
Telephone: (716) 645-4377 Email: mpitman@buffalo.edu





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.19 (SDS = 1.59); 0.95 (SDS = 2.10)

SDS (Design spectral response acceleration at short period, g) = 1.59 (z/h = 1); 2.10 (z/h = 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

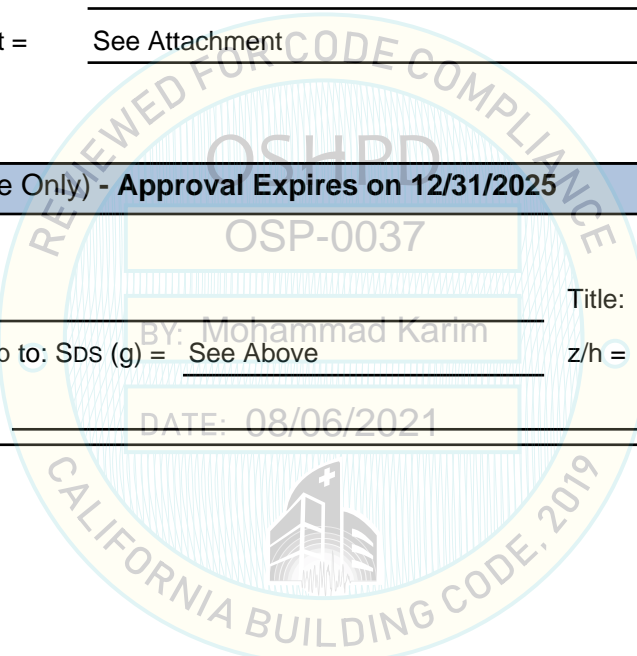
OSHPD Approval (For Office Use Only) - Approval Expires on 12/31/2025

Date: 8/6/2021

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 08/06/2021



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	TABLE 1a
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems	

Certified Product Construction Summary:
NEMA 1 and 3R enclosures constructed of carbon steel framing and sheet. Copper Bus.

Certified Options Summary:
Bus ampacity ratings from 600A to 1200A.
See tables 2 - 6 For a complete listing of optional components.

Mounting Configuration:
Base mounted - rigid
Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: **CBC 2019** **Seismic Certification Limits:** $S_{DS} = 1.59 g$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 2.10 g$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
HVL Distribution and Auxiliary/Meter Bay (Standalone)	38W	46.5	38	90	1400		Extrap.
		66.5	38	114	1483.5		7
		54.5	38	90	1505		Interp.
		60	38	97.5	2200		Interp.
	48W	54.5	48	90	2000		Interp.
		60	48	97.5	2200		Interp.
		80	48	97.5	2400		Interp.
		80	48	114	2600		Interp.
		86	48	121	2650		Interp.
		86	48	127	2696		8
	60W	54.5	60	90	2500		Interp.
		60	60	97.5	2800		Interp.
		80	60	120	3000		Interp.
		86	60	127	3500		Interp.
		122	60	127	5150		9

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	TABLE 1b
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems	

Certified Product Construction Summary:
NEMA 1 and 3R enclosures constructed of carbon steel framing and sheet. Copper Bus.

Certified Options Summary:
Bus ampacity ratings from 600A to 1200A.
See tables 2 - 6 For a complete listing of optional components.

Mounting Configuration:
Base mounted - rigid
Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: **CBC 2019** **Seismic Certification Limits:** $S_{DS} = 1.59 g$ $z/h = 1.0$ $I_p = 1.5$
 $S_{DS} = 2.10 g$ $z/h = 0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT	
		Depth	Width	Height				
HVL Distribution and Auxiliary/Meter Bay (Bayed Together)	38W	46.5	38	90	1400		Extrap.	
		54.5	38	90	1505	4a 1505 lbs; 4b 1470 lbs	4a, 4b	
	48W	60	38	97.5	2200		Interp.	
			54.5	48	90	2000		Interp.
		80	48	97.5	2400		Interp.	
			48	114	2600		Interp.	
		86	48	121	2650		Interp.	
			48	127	2700		Interp.	
		109	48	109	3554	5a is a 36W Masterclad section	5b	
			60W	54.5	60	90	2500	
		60W	60	60	97.5	2800		Interp.
				80	60	120	3000	
	86		60	127	3500		Interp.	
	80W	122	60	127	5150		Interp.	
			80	80	97.5	3000		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

1801107-CR-001-R0



Manufacturer:	Square D by Schneider Electric	Table Description: Load Interrupter Switch	TABLE 3
Model Line:	HVL Metal Enclosed Load Interrupting Switchgear Systems		

Building Code:	CBC 2019	Seismic Certification Limits:	$S_{DS} = 1.59 g$ $z/h = 1.0$	$I_P = 1.5$
			$S_{DS} = 2.10 g$ $z/h = 0.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Load Interrupter Switches (OTM or SEM)	Schneider Electric	44*	4.76 kV, 600A; 250 lbs.		Extrap.
		44*	4.76 kV, 1200A; 250 lbs.		Extrap.
		44040-803-50	15 kV, 600A; 250 lbs.	UUT: SEM	4
		44036-325-50	15 kV, 600A; 250 lbs.	UUT: OTM	7
		44036-340-50	15 kV, 1200A; 250 lbs.	UUT: OTM	4
		44*	17 kV, 600A; 250 lbs.		Interp.
		44039-966-50	25.8 kV, 600A; 300 lbs.	UUT: OTM	8
		44*	25.8 kV, 1200A; 300 lbs.		Interp.
		44*	27 kV, 600A; 300 lbs.		Interp.
		44*	29 kV, 600A; 300 lbs.		Interp.
		44*	29 kV, 1200A; 300 lbs.		Interp.
		44*	38 kV, 600; 350 lbs.	UUT: OTM	Interp.
		44041-183-50	38 kV, 600; 350 lbs.	UUT: OTM	9

Notes:
1. Switch type is either OTM (over-throw mechanism) or SEM (stored energy mechanism). Both switch types can be manually or motor operated. See table 5 for motor operator.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

1801107-CR-001-R0



Manufacturer: Square D by Schneider Electric	Table Description: Voltage Transformers	TABLE 4
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems		

Building Code: CBC 2019	Seismic Certification Limits:	$S_{DS} = 1.59 g$ $z/h = 1.0$	$I_p = 1.5$
		$S_{DS} = 2.10 g$ $z/h = 0.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Voltage Transformers	ITI/GE	PTG42SD03823FFB	2400V/120V; Cu windings; 34 lbs.		1
		PT*	3000V/120V; Cu windings; 34 lbs.		Interp.
		PT*	4200V/120V; Cu windings; 34 lbs.		Interp.
		PT*	7200V/120V; Cu windings; 85 lbs.		Interp.
		PT*	8400V/120V; Cu windings; 85 lbs.		Interp.
		PT*	12000V/120V; Cu windings; 85 lbs.		Interp.
		PTG52SD02293FFG	12470V/120V; Cu windings; 85 lbs.		5
		PT*	13200V/120V; Cu windings; 125 lbs.		Interp.
		PT*	13800V/120V; Cu windings; 125 lbs.		Interp.
		PT*	16500V/120V; Cu windings; 125 lbs.		Interp.
		PT*	20780V/120V; Cu windings; 125 lbs.		Interp.
		PT*	22860V/120V; Cu windings; 125 lbs.		Interp.
		PT*	23000V/120V; Cu windings; 125 lbs.		Interp.
		PT*	24940V/120V; Cu windings; 125 lbs.		Interp.
		PT*	26400V/120V; Cu windings; 125 lbs.		Interp.
				PTG61125SD03591	27000V/120V; Cu windings; 125 lbs.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

1801107-CR-001-R0



Manufacturer: Square D by Schneider Electric	Table Description: Control Power Transformers	TABLE 5
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems		

Building Code: CBC 2019	Seismic Certification Limits:	$S_{DS} = 1.59 g$ $z/h = 1.0$	$I_p = 1.5$
		$S_{DS} = 2.10 g$ $z/h = 0.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Control Power Transformers	ITI/GE	CPTS3605242A	5 kVA, 2400V/120V; Cu windings; 165 lbs.		2
		CPTS36054161A	5 kVA, 4160V/120V; Cu windings; 165 lbs.		Interp.
		CPTS3605482A	5 kVA, 4800V/120V; Cu windings; 165 lbs.		Interp.
		CPTS5955722A	5 kVA, 7200V/120V; Cu windings; 165 lbs.		Interp.
		CPTS5955123A	5 kVA, 12000V/120V; Cu windings; 165 lbs.		Interp.
		CPTS59551242A	5 kVA, 12470V/120V; Cu windings; 165 lbs.		Interp.
		CPTS59551322A	5 kVA, 13200V/120V; Cu windings; 165 lbs.		Interp.
		CPTS36010242A	10 kVA, 2400V/120V; Cu windings; 250 lbs.		Interp.
		CPTS360104161A	10 kVA, 4160V/120V; Cu windings; 250 lbs.		Interp.
		CPTS36010482A	10 kVA, 4800V/120V; Cu windings; 250 lbs.		Interp.
		CPTS59510722A	10 kVA, 7200V/120V; Cu windings; 250 lbs.		Interp.
		CPTS59510123A	10 kVA, 12000V/120V; Cu windings; 250 lbs.		Interp.
		CPTS595101242A	10 kVA, 12470V/120V; Cu windings; 250 lbs.		Interp.
		CPTS595101322A	10 kVA, 13200V/120V; Cu windings; 250 lbs.		Interp.
		CPTS36015242A	15 kVA, 2400V/120V; Cu windings; 290 lbs.		Interp.
		CPTS360154161A	15 kVA, 4160V/120V; Cu windings; 290 lbs.		Interp.
		CPTS36015482A	15 kVA, 4800V/120V; Cu windings; 290 lbs.		Interp.
		CPTS59515722A	15 kVA, 7200V/120V; Cu windings; 290 lbs.		Interp.
		CPTS59515123A	15 kVA, 12000V/120V; Cu windings; 290 lbs.		Interp.
		CPTS595151242A	15 kVA, 12470V/120V; Cu windings; 290 lbs.		5
		CPTS595151322A	15 kVA, 13200V/120V; Cu windings; 290 lbs.		Interp.
		CPT36025242A	25 kVA, 2400V/120V; Cu windings; 411 lbs.		Interp.
CPT360254161A	25 kVA, 4160V/120V; Cu windings; 411 lbs.		2		
CPT36025482A	25 kVA, 4800V/120V; Cu windings; 411 lbs.		Interp.		

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems

UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _p
1	1-15 kV, NEMA 3R, Non Walk-in MasterClad Switchgear	SEESL-2014-11 Rev 4 (UUT1)	Structural and Earthquake Engineering and Simulation Laboratory (SEESL)	1.92 2.11	1 0	1.5
2	27-38 kV, NEMA 3R, Non Walk-in MasterClad Switchgear	SEESL-2014-11 Rev 4 (UUT2)	Structural and Earthquake Engineering and Simulation Laboratory (SEESL)	1.88 2.10	1 0	1.5
3	2.4-17.5 kV, NEMA 3R, HVL/cc Load Current Interrupter Switchgear	SEESL-2014-11 Rev 4 (UUT3)	Structural and Earthquake Engineering and Simulation Laboratory (SEESL)	1.88 2.10	1 0	1.5
4	1-15 kV, NEMA 1, HVL Load Interrupter Switchgear	SEESL-2014-11 Rev 4 (UUT4)	Structural and Earthquake Engineering and Simulation Laboratory (SEESL)	1.88 2.10	1 0	1.5
5	5-15 kV, NEMA 3R, Non Walk-in 36W MasterClad / HVL Switchgear	PEER-STI/2014-04R Rev01 (UUT1)	Pacific Earthquake Engineering Research Center (PEER)	1.88 2.70	1 0	1.5
6	DATE: 08/06/2021 Not Used					
7	15 kV, NEMA 1, HVL Load Interrupter Switchgear	ETL: 15602 (UUT1)	Environmental Testing Laboratory (ETL)	2.00 2.50	1 0	1.5
8	27 kV, NEMA 3R, HVL Load Interrupter Switchgear	ETL: 15602 (UUT2)	Environmental Testing Laboratory (ETL)	1.65 2.50	1 0	1.5
9	27kV, NEMA 3R, HVL PG&E Meter Bay	ETL: 15602 (UUT5)	Environmental Testing Laboratory (ETL)	1.59 2.54	1 0	1.5

Notes:

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	UUT 3
Model Line: HVL/cc	
Model Number: FO# 34206074-001	
Serial Number: N/A	

Product Construction Summary:
NEMA Type 3R outdoor, non walk-in enclosure constructed of carbon steel.

Options/Subcomponent Summary:
1200 Copper Main Bus, 175GDMSJD10E Fuse, 175GXMSJD100E Fuse, 55GFMSJD450E Fuse, 44044-241-51 Switch

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1870	57.25	44.25	99.75	15.2	10.3	>33.3

UUT Highest Passed Seismic Run Information

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 2019	ICC-ES AC156 (2018)	1.88	1.0	1.5	3.01	2.26	1.41	0.57
		2.10	0.0					

Test Mounting Details:



Rigid base mounted using (4) 1/2" Grade 5 studs with Belleville conical spring washers and nuts torqued to 75 ft.-lbs. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	UUT 4
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems	
Model Number: FO# 34206074-002 Serial Number: N/A	

Product Construction Summary:
NEMA Type 1, non walk-in enclosure constructed of carbon steel.

Options/Subcomponent Summary:
2000 Copper Main Bus, 44036-340-50 Switch, 44040-803-50 Switch, M3-12.5kV Surge Suppressor, M3-4.16kV Surge Suppressor, 155GXQSD200E Fuse, 423D815A47 Fuse, 9L20FXX018XHS Surge Arrester, T87 Relay, 44038-650-50 Motor Operator

<i>UUT Properties</i>						
Weight (lb)	Dimension (in) ¹			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2975	54.5	76	90	15.5	8.9	>33.3

¹The width and weight measurements include both sections in this ganged unit.

<i>UUT Highest Passed Seismic Run Information</i>									
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 2019	ICC-ES AC156 (2018)	1.88	1.0	1.5	3.01	2.26	1.41	0.57	
		2.10	0.0						

Test Mounting Details:



Rigid base mounted using (6) 3/8" Grade 8 bolts with Belleville conical spring washers torqued to 44 ft.-lbs.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	UUT 5
Model Line: HVL/36W MasterClad	
Model Number: FO# 17-30209756-002	
Serial Number: N/A	

Product Construction Summary:
NEMA Type 3R outdoor, non walk-in enclosure constructed of carbon steel. Combination HVL (side a)/ 36W MasterClad (side b)

Options/Subcomponent Summary:
2000 Copper Main Bus, VR-15050-20 Circuit Breaker, 9L20FXX015XHS Surge Arrester, CPTS595151242A Control Power Transformer, PTG52SD02293FFG Voltage Transformer, S24 Relay, S7330A0B0B0E0A0 Power Meter, 44039-398-52 Switch

<i>UUT Properties</i>						
Weight (lb)	Dimension (in) ¹			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
7700	109	84	109	7.0	5.1	17.8

¹The width and weight measurements include both sections in this ganged unit.

<i>UUT Highest Passed Seismic Run Information</i>								
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 2019	ICC-ES AC156 (2018)	1.88	1.0	1.5	3.01	2.26	1.41	0.57
		2.70	0.0					

Test Mounting Details:



Rigid base mounted using (6) 0.12" by 12" long tie down file welds, (3) in front and (3) in back.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	UUT 7
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems	
Model Number: 42191916-004 Serial Number: N/A	

Product Construction Summary:
NEMA Type 1, non walk-in enclosure constructed of carbon steel.

Options/Subcomponent Summary:
12" Rear extension, 24" Pullbox, Load interrupter switch (P/N: 44036-325-50)

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1483.5	66.5	38.0	114.0	9.83	3.84	9.64

<i>UUT Highest Passed Seismic Run Information</i>									
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 2019	ICC-ES AC156 (2018)	2.0	1.0	1.5	3.20	2.40	1.67	0.67	
		2.5	0.0	1.5					

Test Mounting Details:



Rigid base mounted using four (4) 3/8" Diameter Grade 5 Bolts, torqued to 40 ft-lbs.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	UUT 8
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems	
Model Number: 42191916-005 Serial Number: N/A	

Product Construction Summary:
NEMA Type 3R, non walk-in enclosure constructed of carbon steel.

Options/Subcomponent Summary:
Load interrupter switch (P/N: 44039-966-50)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2696	86	48	127	3.74	13.69	13.69

UUT Highest Passed Seismic Run Information

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 2019	ICC-ES AC156 (2018)	1.65	1.0	1.5	2.64	1.98	1.67	0.67
		2.50	0.0	1.5				

Test Mounting Details:



Rigid base mounted using four (4) 3/4" Diameter Grade 5 Bolts with Belleville washers, torque to 150 ft-lbs.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801107-CR-001-R0

Manufacturer: Square D by Schneider Electric	UUT 9
Model Line: HVL Metal Enclosed Load Interrupting Switchgear Systems	
Model Number: 42191916-001 Serial Number: N/A	

Product Construction Summary:
NEMA Type 3R, non walk-in enclosure constructed of carbon steel.

Options/Subcomponent Summary:
Load interrupter switch (P/N: 44041-183-50)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
5150	123	60	127	5.64	3.00	5.65

UUT Highest Passed Seismic Run Information

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 2019	ICC-ES AC156 (2018)	1.59	1.0	1.5	2.54	1.91	1.69	0.68
		2.54	0.0	1.5				

Test Mounting Details:



Rigid base mounted using six (6) 3/4" Diameter Grade 5 Bolts with belleville washers, torque to 150 ft-lbs.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.