

### 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-0037

HCAI Special Seismic Certification Prea	ICAI Special Seismic Certification Preapproval (OSP)					
Type: New X Renewal						
Manufacturer Information						
Manufacturer: Square D by Schneider Elec	tric					
Manufacturer's Technical Representative: Sco	ott Littler					
Mailing Address: 6700 Tower Circle, Suite 700	0, Franklin, TN 37067					
Telephone: (615) 267-9407	Email: Scott.Littler@se.com					
Product Information						
Product Name: HVL (2.4V to 38kV) Metal-Enc to 2000A (see Certified Product	losed Load Interrupting Switchgear systems with bus Ampacity ratings from 600A ct Listing tables).					
Product Model Number(s): Varies. See Attack	nment					
Product Category: Switchgear/Switch	boards					
Product Sub-Category: Switchgear - Medi	um Voltage ammad Karim					
NEMA Type 1 and Ty overtoggle mechanis switches, voltage tran	liary/Meter bay metal enclosed load interrupting switchgear sections packaged in ype 3R sheet metal framed enclosures. Options and sub-components consist of m switches, motor operated and manual operated stored energy mechanism insformers, control power transformers, meters, protective relays, and surge ied major sub-components table).					
Mounting Description: Base Mounted Rigid						
Tested Seismic Enhancements: None	VI					
Applicant Information						
Applicant Company Name: Pre Compliance						
Contact Person: Galen Reid						
Mailing Address: 36 Southwest Wall Street, B	end, OR 977023425					
Telephone: (541) 241-2310	Email: galen@go-pre.com					
Title: Principal and Program Manager						



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

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OSP-0037



### DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: PRE COMPLIANCE
Name:         Andrew Coughlin         California License Number:         S6082
Mailing Address: 36 SW Wall Street, Bend, OR 97702
Telephone: (415) 635-8461 Email: Andy@go-pre.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE CO
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 By Email: Jeremy@etIdallas.com
Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)
Contact Person: Amarnath Kasalanati DATE: 10/01/2024
Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729
Telephone: (510) 642-3437 Email: peer_center@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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### DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

#### Seismic Parameters

Design Basis of Equipment or Components	(Fp/Wp) = 1.19 (SDS = 1.59); 0.90	(SDS = 2.	00)
SDS (Design spectral response accele	eration at short period, g) = $1.59$ (z/h	= 1); 2.00	(z/h = 0)
ap (Amplification factor) =	2.5		
Rp (Response modification factor) =	6.0		
$\Omega_0$ (System overstrength factor) =	2.0		
Ip (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 10/01/2030	)	
Date: 10/1/2024	OSP-0037	<b>G</b>	
Name: Mohammad Karim		Title:	Supervisor, Health Facilities
Special Seismic Certification Valid <mark>Up to</mark> : St	ps(g) = 1.59	z/h =	1
Condition of Approval (if applicable):	DATE: 10/01/2024		
	PRIVIA BUILDING COD	00	



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OSP-0037



# Manufacturer:Square D by Schneider ElectricProduct Type:Switchgear – Medium VoltageModel Line:HVL

### Seismic Parameters

#### Building Codes

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

# TABLE 1a

Mounting Configuration: Base Mounted - Rigid

### **Options Summary**

NEMA 1 and 3R enclosures constructed of carbon steel framing and sheet. Copper bus.

**Construction Summary** 

Bus ampacity ratings from 600A to 2000A. See Tables 2-6 for a complete listing of optional components.

 $I_{p} = 1.5$ 

Model Line	Model	Max. Dimensions (in)		Wt.	Notes	UUT	
	Model	D	W	Н	(lb)	Notes	
	X	46.5	- 38	90	1400	· .	Interp.
	38W	66.5	38	_114	1484	A	7
	3000	54.5	38	90	1505	2	Interp.
	4	60 (	38-	97.5	2200	1 C	Interp.
		54.5	48	90	2000		Interp.
		60,10	48nn	97.5	2200		Interp.
HVL Distribution	48W	80	48	97.5	2400		Interp.
and Auxiliary/Meter		80	48	114	2600		Interp.
Bay (Standalone)		86	48	121	2650		Interp.
bay (Standalone)		86	48	127	2696	0	8
-		54.5	60	90	2500		Interp.
		60	60	97.5	2800		Interp.
	60W	80	60	120	3000		Interp.
		86	60	127	3500		Interp.
		122	60	127	5150		9
				I			



# Manufacturer:Square D by Schneider ElectricProduct Type:Switchgear – Medium VoltageModel Line:HVL

**Construction Summary** 

NEMA 1 and 3R enclosures constructed of carbon

steel framing and sheet. Copper bus.

### Seismic Parameters

#### Building Codes

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

### TABLE 1b

Mounting Configuration: Base Mounted - Rigid

### Options Summary

Bus ampacity ratings from 600A to 2000A. See Tables 2-6 for a complete listing of optional components.

 $I_{p} = 1.5$ 

Model Line Model Max. Dimensio		ons (in)	Wt.	Notes	υυτ		
	MOUEI	D	W	н	(lb)	Notes	
	- JY	46.5	- 38	90	1400		Interp.
	38W	54.5	38	90	1505	4a: 1505 lbs.; 4b: 1470 lbs.	4a,4b
		60	38	97.5	2200	2	Interp.
	2	54.5	) 48 -	00907	2000		Interp.
		60	48	97.5	2200		Interp.
		80/10	h 48	97.5	2400		Interp.
HVL Distribution	48 <mark>W</mark>	80	48	114	2600		Interp.
and		86	48	121	2650		Interp.
Auxiliary/Meter Bay		86	48	127	2700		Interp.
(Bayed Together)		109	48	109	3554	5a is 36W Masterclad section	5b
		54.5	60	90	2500		Interp.
		60	60	97.5	2800		Interp.
	60W	80	60	120	3000		Interp.
		86	60	127	3500		Interp.
		122	60	127	5150		9
	80W	80	80	97.5	3000		Interp.
							_
						1	



 $I_{p} = 1.5$ 

# Manufacturer:Square D by Schneider ElectricProduct Type:Switchgear – Medium VoltageModel Line:HVL

#### Seismic Parameters

### **Building Codes**

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

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### TABLE 2

Table Description: Enclosure Extensions

Component (Manufacturer)	Model	Description	Notes	UUT
Rear Extension	8" Deep	8" deep rear extension addition		Extrap.
(Schneider Electric)	12" Deep	12" deep rear extension addition		7
Pull Box (Schneider	12" High	12" high pull box assembly		Extrap.
Electric)	24" High	24" high pull box assembly		7
	0	BY: Mohammad Karim		
	CRE	DATE: 10/01/2024		
	E TO	A. A		
		A BUILDING CODE		



 $I_{p} = 1.5$ 

# Manufacturer:Square D by Schneider ElectricProduct Type:Switchgear – Medium VoltageModel Line:HVL

#### Seismic Parameters

**Building Codes** 

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

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### TABLE 3

Table Description: Load Interrupter Switch

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



 $I_{p} = 1.5$ 

# Manufacturer:Square D byProduct Type:SwitchgearModel Line:HVL

### Square D by Schneider Electric Switchgear – Medium Voltage HVL

#### Seismic Parameters

### **Building Codes**

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

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### TABLE 4

 Table Description: Voltage Transformers

Component (Manufacturer)	Model	Description	Notes	UUT
	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
Voltage Transformer	PT*	13200V/120V; Cu Windings; 125 lbs.		Interp.
(ITI/GE)	PT*	13800V/120V; Cu Windings; 125 lbs.		Interp.
(ITI/OL)	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	22860V/120V; Cu Windings; 125 lbs.       Ir         23000V/120V; Cu Windings; 125 lbs.       Ir         24940V/120V; Cu Windings; 125 lbs.       Ir         26400V/120V; Cu Windings; 125 lbs.       Ir         27000V/120V; Cu Windings; 125 lbs.       Ir         2400V/120V; Cu Windings; 35 lbs.       Ir         4200V/120V; Cu Windings; 90 lbs.       Ir	2	
	V9*	2400V/120V; Cu Windings; 35 lbs.		Interp.
	V9-422FFGC2-01	4200V/120V; Cu Windings; 35 lbs.		10
	V9*	4200V/120V; Cu Windings; 35 lbs.		Interp.
	V9*	4800V/120V; Cu Windings; 35 lbs.		Interp.
	V21*	4200V/120V; Cu Windings; 90 lbs.		Interp.
	V21*	4800V/120V; Cu Windings; 90 lbs.		Interp.
	V21*	6600V/110V; Cu Windings; 90 lbs.		Interp.
N7 11	V21*	7200V/120V; Cu Windings; 90 lbs.		Interp.
Voltage	V21*	8400V/120V; Cu Windings; 90 lbs.		Interp.
Transformers (Amran)	V21.1-2-123FF	12000V/120V; Cu Windings; 90 lbs.		10
(Annan)	V21*	12000V/120V; Cu Windings; 90 lbs.		Interp.
	V21*	12470V/120V; Cu Windings; 90 lbs.		Interp.
	V21*	13200V/120V; Cu Windings; 90 lbs.		Interp.
	V21*	13800V/120V; Cu Windings; 90 lbs.		Interp.
	V21*	14400V/120V; Cu Windings; 90 lbs.		Interp.
	V22*	10200V/120V; Cu Windings; 125 lbs.		Interp.
	V22*	12000V/120V; Cu Windings; 125 lbs.		Interp.
	V22*	13200V/120V; Cu Windings; 125 lbs.		Interp.



 $I_{p} = 1.5$ 

# Manufacturer:Square D by Schneider ElectricProduct Type:Switchgear – Medium VoltageModel Line:HVL

#### Seismic Parameters

### **Building Codes**

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

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### TABLE 4

 Table Description:
 Voltage Transformers

Component (Manufacturer)	Model	Description	Notes	UUT
	V22*	13800V/120V; Cu Windings; 125 lbs.		Interp.
	V22*	14400V/120V; Cu Windings; 125 lbs.		Interp.
	V22*	18000V/120V; Cu Windings; 125 lbs.		Interp.
Voltage	V22*	21000V/120V; Cu Windings; 125 lbs.		Interp.
Transformers	V22*	23000V/120V; Cu Windings; 125 lbs.		Interp.
(Amran)	V22*	24000V/120V; Cu Windings; 125 lbs.		Interp.
	V22.6-2 <mark>492</mark>	24900V/120V; Cu Windings; 125 lbs.		10
	V22*	24940V/120V; Cu Windings; 125 lbs.		Interp.
	V2 <mark>2*</mark>	25000V/120V; Cu Windings; 125 lbs.		Interp.
	•	BY: Mohammad Karim		
	C C	DATE: 10/01/2024		
		BUILDING		
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 $I_{p} = 1.5$ 

### Manufacturer: Squ Product Type: Swi Model Line: HVL

Square D by Schneider Electric Switchgear – Medium Voltage HVL

#### Seismic Parameters

**Building Codes** 

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

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### TABLE 5

Table Description: Control Power Transformers

Component (Manufacturer)	Model	Description	Notes	UUT
	CPTS3605242A	5kVA, 2400V/120V; Cu Windings; 165 lbs.		2
	CPTS36054161A	5kVA, 4160V/120V; Cu Windings; 165 lbs.		Interp.
	CPTS3605482A	5kVA, 4800V/120V; Cu Windings; 165 lbs.		Interp.
	CPTS5955722A	5kVA, 7200V/120V; Cu Windings; 165 lbs.		Interp.
	CPTS5955123A	5kVA, 12000V/120V; Cu Windings; 165 lbs.		Interp.
	CPTS59551242A	5kVA, 12470V/120V; Cu Windings; 165 lbs.		Interp.
	CPTS59551322A	5kVA, 13200V/120V; Cu Windings; 165 lbs.		Interp.
	CPTS36010242A	10kVA, 2400V/120V; Cu Windings; 250 lbs.		Interp.
	CPTS360104161A	10kVA, 4160V/120V; Cu Windings; 250 lbs.		Interp.
	CPTS36 <mark>01048</mark> 2A	10kVA, 4800V/120V; Cu Windings; 250 lbs.		Interp.
	CPTS59 <mark>51072</mark> 2A	10kVA, 7200V/120V; Cu Windings; 250 lbs.		Interp.
Control Power Transformers	CPTS59510123A	10kVA, 12000V/120V; Cu Windings; 250 lbs.		Interp.
(ITI/GE)	CPTS595101242A	10kVA, 12470V/120V; Cu Windings; 250 lbs.		Interp.
(11,02)	CPTS595101322A	10kVA, 13200V/120V; Cu Windings; 250 lbs.		Interp.
	CPTS36015242A	15kVA, 2400V/120V; Cu Windings <mark>; 290</mark> lbs.		Interp.
	CPTS360154161A	15kVA, 4160V/120V; Cu Windings; 290 lbs.		Interp.
	CPTS36015482A	15kVA, 4800V/120V; Cu Windings; 290 lbs.		Interp.
	CPTS59515722A	15kVA, 7200V/120V; Cu Windings; 290 lbs.		Interp.
	CPTS59515123A	15kVA, 12000V/120V; Cu Windings; 290 lbs.		Interp.
	CPTS595151242A	15kVA, 12470V/120V; Cu Windings; 290 lbs.		5
	CPTS595151322A	15kVA, 13200V/120V; Cu Windings; 290 lbs.		Interp.
	CPTS36025242A	25kVA, 2400V/120V; Cu Windings; 411 lbs.		Interp.
	CPTS360254161A	25kVA, 4160V/120V; Cu Windings; 411 lbs.		2
	CPTS36025482A	25kVA, 4800V/120V; Cu Windings; 411 lbs.		Interp.



 $I_{p} = 1.5$ 

# Manufacturer:Square D by Schneider ElectricProduct Type:Switchgear – Medium VoltageModel Line:HVL

#### Seismic Parameters

### **Building Codes**

S<sub>DS</sub> = 1.59g for z/h=1 S<sub>DS</sub> = 2.00g for z/h=0

CBC 2022

### TABLE 6

**Table Description: Electrical Components** 

Component (Manufacturer)	Model	Description	Notes	UUT
	9L20FX003XHS	3kV; 2.9 lbs.		1
	9L*	6-12kV; 3.3 - 4.3 lbs.		Interp.
Surge Arresters	9L20FX015XHS	15kV; 5.6 lbs. DF		5
(GE)		18-21kV; 5.6 - 6.2 lbs.		Interp.
	9L20FX024XHS	24kV; 8.3 lbs.		2
	9L*	27kV; 8.7 lbs.		Interp.
Lligh Frequency	M*	3.3-7.2kV; 35.3 lbs.		Interp.
High Frequency Transient Surge	M3-4. <mark>16kV</mark>	4.16kV; 35.3 lbs.037		4
Suppressors	M*	11-13.8kV; 41.9 lbs.		Interp.
(Simotech)	M3-1 <mark>2.</mark> 5kV	12.5kV; 41.9 lbs.ad Karim		4
	M*	22kV; 44 lbs.		Interp.
		DATE: 10/01/2024		
		DATE. 10/01/2024		
		APILITIE		
		DUILDING		
				_
				_



Pre No. CC241404-01-R0

UUT	Model	Test Report	Test Laboratory	S <sub>DS</sub>	z/h	l <sub>p</sub>
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 2.00	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)	1.86 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 Masterclad / HVL Switchgear	PEER-STI/2014-04R Rev01 (UUT1)-0037	Pacific Earthquake Engineering Research Center (PEER)	1.88 2.70	1 0	1.5
6	0	BY: Moham Not Use	Rim			
7	15 kV, NEMA 1, HVL Load interrupter Switchgear	DA ETL: 1560201/202 (UUT1)	4 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	27 kV, NEMA 3R, HVL PG&E Meter Bay	ETL: 15602 (UUT5)	Environmental Testing Laboratory (ETL)	1.59 2.54	1 0	1.5
10	15 kV Main & Feeder Masterclad Switchgear	TR241399-01-R1 (UUT2)	Environmental Testing Laboratory (ETL)	1.86 2.98	1 0	1.5
Notes:						



	UL	JT1 Test	Report#	SEESL-201 (UUT1)	4-11 Rev	/ 4	
Model Line: Ma	uare D by Schneider Electric asterclad # 34089617-006 A	Hight           S <sub>DS</sub> Z/h           1.92         1           2.11         0	I <sub>p</sub> A	d Test Leve <sub>flx-h</sub> A <sub>rig-h</sub> .07 2.30	el A <sub>flx-v</sub> 1.41	<b>A<sub>rig-v</sub></b> 0.57	
Dimen Depth (in) Width (in) 109 36	isions/Weights Height (in) Weight (Ibs.) 109 4240	Lowest Front-Back 13.9	Natural F Side-S 7.5		Hz) Vertic 22.0		
Building Codes CBC 2022	Test Criteria ICC-ES AC156	NEMA Type 3R outc constructed of carb	loor, non w on steel		sure		
	ounting Details:	P-0037	1	ubcompon			
	iohar E: 1 BUI	Description 1200A Copper M Relay Relay Relay Power Met Voltage Transf Voltage Transf Circuit Breal Surge Arres	ain Bus er ormer ormer ker	SEI SE S7750AC PTG316 PTG42S VR-C	odel # N/A 300G E -849 E 239 S42 0C0B6C1 50242FG 50242FG 5023823 05025-12 XX003XI	GC1 FFB 2	
bolts with Belleville co 107 ftlbs. Unit maintained struct operational per manufa	ounted using (4) 1/2" Grade 8 nical spring washers torqued to ural integrity and remained acturer requirement following ontents were included in the ditions.						

Pre Compliance

www.go-pre.com



		UU	Г 2	Test	Repor	t# SEE	SL-201 JT2)	4-11 Re	v 4
Model Line: Mas	are D by Schne sterclad # 34089617-00		<b>S</b> <sub>DS</sub> 1.88 2.00	Highe z/h 1 0	est Pas I <sub>p</sub> 1.5	sed Te A <sub>flx-h</sub> 3.01	est Leve A <sub>rig-h</sub> 2.26	el A <sub>flx-v</sub> 1.34	<b>A<sub>rig-v</sub></b> 0.54
Dimens Depth (in) Width (in) 127 72	sions/Weights Height (in) 109	<b>Weight (lbs.)</b> 9690	<b>Front-B</b> 10.3		Sid	n <b>l Freq</b> u <b>e-Side</b> 5.1	uency (	(Hz) Vertio 16.0	
Building Codes CBC 2022 UUT Mo		est Criteria	NEMA Type constructed		door, no on steel	n walk-i	in enclo	sure	
	No.	OSP-	0037	escriptio	)			odel #	
		hami	Circo Sur Control P Control P Circo	Relay Relay wer Met cuit Brea ge Arres	er ker ansforme ansforme ker	er	VR-2 9L20F CPTS CPTS3 9F60 JDL	N/A E C60 805D 870 27040-2 XX024X 360524 602541 0DNJ00 26250C 255D03	HS 2A 61A 7
Unit was rigid base mou bolts with Belleville con 107 ftlbs. Unit maintained structu operational per manufa shake table test. All cor	ical spring was ral integrity and cturer requirem	hers torqued to d remained ent following							

unit per operating conditions.



Manufacture		UU <sup>-</sup>	<u> </u>		t Repo	ort# (UL	ESL-201 JT3)		
Manufacturer: Model Line:	Square D by Schne HVL/cc	elder Electric	S <sub>DS</sub>	Fligh z/h	est Pa I <sub>p</sub>	ssed Te A <sub>flx-h</sub>	A <sub>rig-h</sub>		A <sub>rig-</sub>
Model Number: Serial Number:	FO# 34206074-00 N/A	1	1.86 2.10	1 0	1.5	2.98	2.23	1.41	0.57
	nensions/Weights		Front-B			al Frequ	uency (		1
<b>Depth (in) Width</b> 57.25 44.2		<b>Weight (Ibs.)</b> 1870	15.2		510	<b>de-Side</b> 10.3		Vertio >33.	
Building Code CBC 2022		est Criteria	NEMA Type constructed	e 3R outo d of carb	door, no oon stee	el	in enclo	sure	
UUI	Mounting Detail	s: OSP-	0037	scripti	)	d Subc		ents odel #	
			12004 0			s		N/A	
	- 1	Saphami		Fuse		5		DMSJD1	0E
-		10	01/2024	Fuse			175GX	MSJD10	00E
studs with Belleville orqued to 75 ftlb Jnit maintained str operational per ma	e mounted using (4) e conical spring was s. ructural integrity and nufacturer requirem Il contents were inc	shers and nuts d remained nent following							

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unit per operating conditions.



Manufacturer:	Square D by Schn	eider Electric		Hiah	est Pa	(		el	
Model Line: Model Number: Serial Number:	HVL		<b>S<sub>DS</sub></b> 1.88 2.10	<b>z/h</b> 1 0	<b>І</b> <sub>р</sub> 1.5	-	-	<sub>h</sub> A <sub>flx-v</sub> A	
	mensions/Weight						uency (		
<b>Depth (in) Width</b> 54.5 76	• • • •	Weight (lbs.) 2975	<b>Front-B</b> 15.5		Sic	<b>de-Side</b> 8.9			
Building Code CBC 2022		est Criteria C-ES AC156		e 1 enclo	sure co	nstructe	d of car	bon ste	el
00	T Mounting Detai		2-0037		1	a Subc			
	A 100.31			escriptio					
- Alexandre	0 m	han	nmac2000A (		lain Bu	s			
	-			Switch					
		· 10	)/01/2024	Switch					
5	Martin Martin	2777	NOT INTERPORT NUMBER	e Suppre	N I				
			Surg	e Suppre	essor				
- <b>N</b>	1 1 1 1 1			Fuse					
N				Fuse					
			Şur	ge Arres	ster		9L20F		HS
			DING	Relay					
	4a	4b		or Opera	ator		01 2.26 1.41 requency (Hz)	>0	
bolts with Bellevill 44 ftlbs. Unit maintained st operational per m	e mounted using (6) le conical spring was tructural integrity an anufacturer requirer All contents were inc conditions	shers torqued to Id remained nent following							



UUT	h lact Vanart#	PEER-STI/2014-04R Rev01 (UUT1)
Manufacturer: Square D by Schneider Electric	Highest Passed	Test Level
Model Line: HVL/36W Masterclad	S <sub>DS</sub> z/h I <sub>p</sub> A <sub>fl</sub>	<sub>(-h</sub> A <sub>rig-h</sub> A <sub>flx-v</sub> A <sub>rig-v</sub>
Model Number: FO# 17-30209756-002	1.88 1 1.5 3.0	01 2.26 1.41 0.57
Serial Number: N/A	2.70 0	
Dimensions/Weights	Lowest Natural Fr	equencv (Hz)
Depth (in) Width (in) Height (in) Weight (lbs.)	Front-Back Side-Si	
109 76 90 2975	7.0 5.1	17.8
Building Codes Test Criteria	Construction/Opt	ion Summary
	NEMA Type 3R outdoor, non wa	Ik-in enclosure
	constructed of carbon steel	
UUT Mounting Details:	List of Included Su	hcomponente
	Description	Model #
	2000A Copper Main Bus	N/A
	Circuit Breaker	VR-15050-20
	Surge Arrester	9L20FXX015XHS
	Control Power Transformer	CPTS595151242A
	Voltage Transformer	PTG52SD02293FFG
	Relay Power Meter	S24 S7330A0B0B0E0A0
	Switch	44039-398-52
	TNGCSwitch	44039-396-32
	)[[]]	
5b 5a		
Unit was rigid base mounted using (6) 0.12" by 12"		
long tie down filet welds, (3) in front and (3) in back.		
Unit maintained structural integrity and remained		
operational per manufacturer requirement following		
shake table test. All contents were included in the unit per operating conditions.		

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		U	UT 7	Tes	t Repc	ort# ETL	_: 15602 JT1)		
Model Line: HV	191916-004	eider Electric	<b>S</b> <sub>DS</sub> 2.00 2.50	<b>; z/h</b> ) 1	lest Pa I <sub>p</sub> 1.5	ssed Te A <sub>flx-h</sub> 3.20	est Leve A <sub>rig-h</sub> 2.40	el A <sub>flx-v</sub> 1.67	<b>A<sub>rig-v</sub></b> 0.67
Depth (in) Width (in) 66.5 38	sions/Weights Height (in) 114	Weight (lbs.) 1483.5		:- <b>Back</b> .8	Si	ral Frequ de-Side 3.84		Vertic 9.64	
Building Codes CBC 2022		est Criteria C-ES AC156		Consti pe 1 enclo List of I	osure co		ed of car	bon ste	el
			P-0037	Descripti				odel #	
-		ha	ammad KaR	ear Exten Pullbox				" Deep ." High	
				Interrupte			4403	6-325-5	
Unit was rigid base mo botls torqued to 40 ft Unit maintained structu operational per manufa shake table test. All co unit per operating cond	lbs. ural integrity and acturer requirem ntents were inc	d remained ent following							



		UU <sup>.</sup>	T 8	Test	t Repo	rt# ETL (UL	.: 15602 JT2)		
Model Line:HModel Number:42	quare D by Schneide VL 2191916-005 /A	er Electric	<b>S<sub>DS</sub></b> 1.65 2.50	High z/h 1 0	est Pas I <sub>p</sub> 1.5	ssed Te A <sub>flx-h</sub> 2.64	est Leve A <sub>rig-h</sub> 1.98		<b>A<sub>rig-v</sub></b> 0.67
Depth (in) Width (in 86 48	nsions/Weights n) Height (in) V 127	<b>Veight (Ibs.)</b> 2696	Front-B 3.7		Sic	al Frequ <b>de-Side</b> 13.69	uency (	Hz) Vertic 13.6	
Building Codes CBC 2022		Criteria	NEMA Type carbon stee	3R, nor		/Option n enclos			l of
UUT M	Nounting Details:	OSP-	List of Included Subcomponents P-0037 Description Model #						
		pham : 10/ UIL		errupter	Switch		4403	9-966-5	50
Unit was rigid base m botls with Belleville w Unit maintained struc operational per manu shake table test. All c unit per operating cor	vashers torqued to 1 stural integrity and re facturer requiremen contents were includ	50 ftIbs. emained t following							



		UU	Т9	Test	t Repo		.: 15602 JT5)		
Model Line:HModel Number:4	quare D by Schn IVL 2191916-001 I/A	eider Electric	<b>S</b> <sub>DS</sub> 1.59 2.54	High z/h 1 0	est Pas I <sub>p</sub> 1.5	ssed Te A <sub>flx-h</sub> 2.54	est Leve A <sub>rig-h</sub> 1.91		<b>A<sub>rig-v</sub></b> 0.68
Dime Depth (in) Width (in 123 60	nsions/Weight n) Height (in) 127	s Weight (Ibs.) 5150	<b>Front-B</b> 5.6			al Frequ de-Side 3.0	uency (	Hz) Vertic 5.65	
Building Codes CBC 2022		est Criteria C-ES AC156	NEMA Type carbon stee	<mark>: 3R</mark> , nor		/Option n enclos			l of
UUT N	Nounting Detail		-0037	ist of li	1	d Subc		ents odel #	
		Circle Ci		errupter	Switch		4404	1-183-5	
Unit was rigid base m bolts with Belleville w Unit maintained struct operational per manu shake table test. All o unit per operating co	vashers torqued t ctural integrity an ifacturer requiren contents were inc	o 150 ftIbs. d remained nent following							



		UUT	10	Test	: Repo	rt# <sup>TR2</sup> (UL	241399- JT2)	01-R1	
Model Line: Model Number:	Square D by Schneid Masterclad 201900911-001 N/A	er Electric	<b>S</b> <sub>DS</sub> 1.86 2.98	High z/h 1 0	est Pas I <sub>p</sub> 1.5	ssed Te A <sub>flx-h</sub> 2.98	est Leve A <sub>rig-h</sub> 2.23	A <sub>fix-v</sub> 2.00	A <sub>rig-v</sub> 0.80
Dime Depth (in) Width (i 91 72	95	<b>Veight (Ibs.)</b> 5979	<b>Front-B</b> 6.49	ack	Sic	al Frequ de-Side 6.97	uency (	Hz) Vertic 9.15	
Building Codes CBC 2022	ICC-I	Criteria	15kVAC rate packaged ir	ed medi NEMA	um volt Type 1	carbon s	hchgear steel end	system closure.	1
001	Mounting Details:	OSP-	.0037	scripti	)	d Subc		odel #	
		ohami E: 10/ UIL	Amrar Amrar	Transfo Transfo	ormer ormer		V9-422 V21.1	2FFGC2 -2-123F .6-2492	F
bolts and flat washe Unit maintained stru operational per man	nted using (9) 1/2"-13 ers torqued to 65 ft1 ictural integrity and re iufacturer requiremen contents were includ onditions.	bs. emained It following							