



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-0853

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: Schneider Electric Private Limited

Manufacturer's Technical Representative: Sudalaimani Muthuvel

Mailing Address: 78/1 78/2, ARGON NORTH BUILDING, BAGMANE, DODDANEKUNDI, Graphite India Road,
K R PURAM HOBLI, Bengaluru, Bengaluru Urban, Karnataka, 560037

Telephone: +91 1800 103 0011

Email: muthuvel.sudalaimani@se.com

Product Information

Product Name: Uninterruptible Power Supply (UPS)

Product Model Number(s): Galaxy VS UPS w/ Top Cable Entry Cabinet

Product Category: UPS and Batteries

Product Sub-Category: UPS

General Description: 150 KW UPS consisting of three power modules each 50 KW, Static bypass switch of 150 KW and internal maintenance breaker.

Mounting Description: Base Mounted Rigid -

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: TRU Compliance, by Structural Integrity Associates

Contact Person: Victoria Ahrens

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

Telephone: (541) 292-5820

Email: vahrens@structint.com

Title: Certification Engineer



**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: STRUCTURAL INTEGRITY ASSOCIATES, INC.

Name: LACHEZAR HANDZHIYSKI California License Number: S6515

Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138

Telephone: (669) 437-0200 Email: Lhandzhiyski@StructInt.com

Certification Method

☐ GR-63-Core ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
☐ Other (Please Specify): _____

Testing Laboratory

Company Name: CENTRAL POWER RESEARCH INSTITUTE (CPRI), EARTHQUAKE ENGINEERING AND VIBRATION
RESEARCH CENTER

Contact Person: R. Panneer Selvam

Mailing Address: PB No. 8066, Sadashiva Nagar P.O, Bangalore Karnataka 560 080

Telephone: +91 (0) 80-2207 2487 Email: dgcpri@cpri.in

DATE: 06/12/2025





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

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.094 (SDS=1.52 @ $z/h=1$); 0.945 (SDS=2.10 @ $z/h=0$)

SDS (Design spectral response acceleration at short period, g) = 1.52 ($z/h = 1$); 2.10 ($z/h = 0$)

a_p (Amplification factor) = 1

R_p (Response modification factor) = 2.5

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 06/12/2031

Date: 6/12/2025

Name: Mohammad Karim

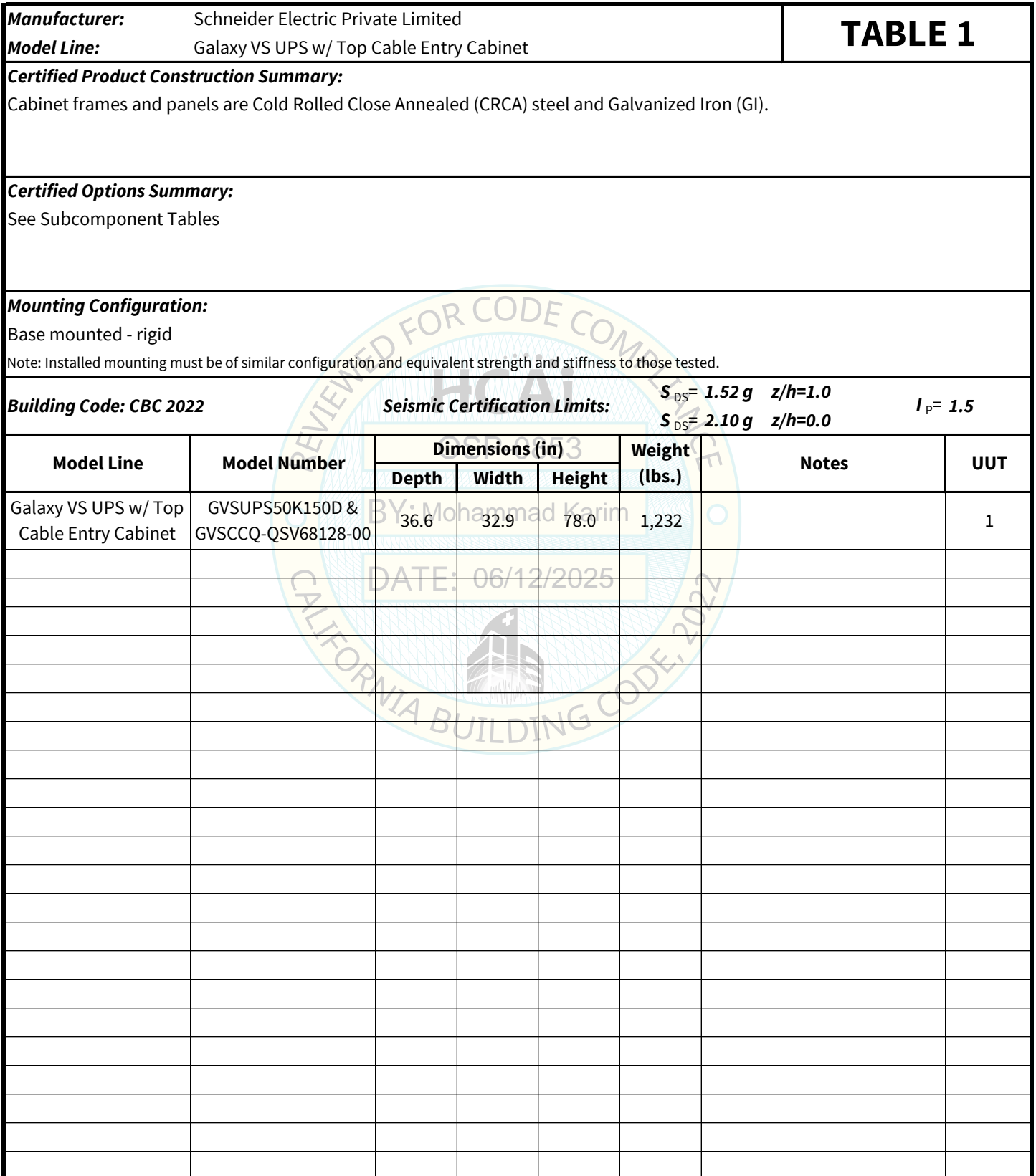
Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 1.52

z/h = 1

Condition of Approval (if applicable):

2400971-CR-001-R1



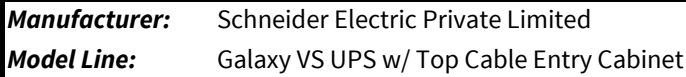
SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2400971-CR-001-R1



Manufacturer: Schneider Electric Private Limited		Table Description: Electrical Components			TABLE 2
Model Line: Galaxy VS UPS w/ Top Cable Entry Cabinet					
Building Code: CBC 2022		Seismic Certification Limits: $S_{DS} = 1.52\text{ g}$ $z/h = 1.0$ $S_{DS} = 2.10\text{ g}$ $z/h = 0.0$			$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Power Modules	Schneider Electric	0G-PM50KD2	50kW, 84lbs.	UUT1: QTY 3 Modules Tested (S/N: BD2425006614; S/N: ID2350000161; S/N: ID2350000216)	1
Static Bypass Switch	Schneider Electric	0G-SBS150KD	150kW, 55lbs.		1
Controller Box	Schneider Electric	0N-96783			1
Assembly Display Door	Schneider Electric	0N-87703			1
Assembly Terminal Left for AWS	Schneider Electric	0N-3500	150kW		1
Assembly Outplate for Terminal Right	Schneider Electric	0N-3531			1
Galaxy VS UPS	Schneider Electric	GVSUPS50K150D	150kW, 480V, 807 lbs.		1
Top Entry Cabinet	Schneider Electric	GVSCCQ-QSV68128-00	100kW, 216 lbs.		1
Skid Platform	Schneider Electric	GVSCCQ-QSV57354-01	132 lbs.		1
Intermediate Platform	Schneider Electric	GVSCCQ-QSV04445-01	51 lbs.		1
Seismic Kit	Schneider Electric	GVSCCQ-QSV70039-01	26 lbs.		1

2400971-CR-001-R1

**Notes:**

UNIT UNDER TEST (UUT) SUMMARY SHEET

2400971-CR-001-R1



Manufacturer:	Schneider Electric Private Limited	UUT 1
Model Line:	Galaxy VS UPS w/ Top Cable Entry Cabinet	
Model Number:	GVSUPS50K150D & GVSCCQ-QSV68128-00	
Serial Number:	BD2425006441	
		Test Report: CPRI BLREVRCMISC24T0060 (UUT1)

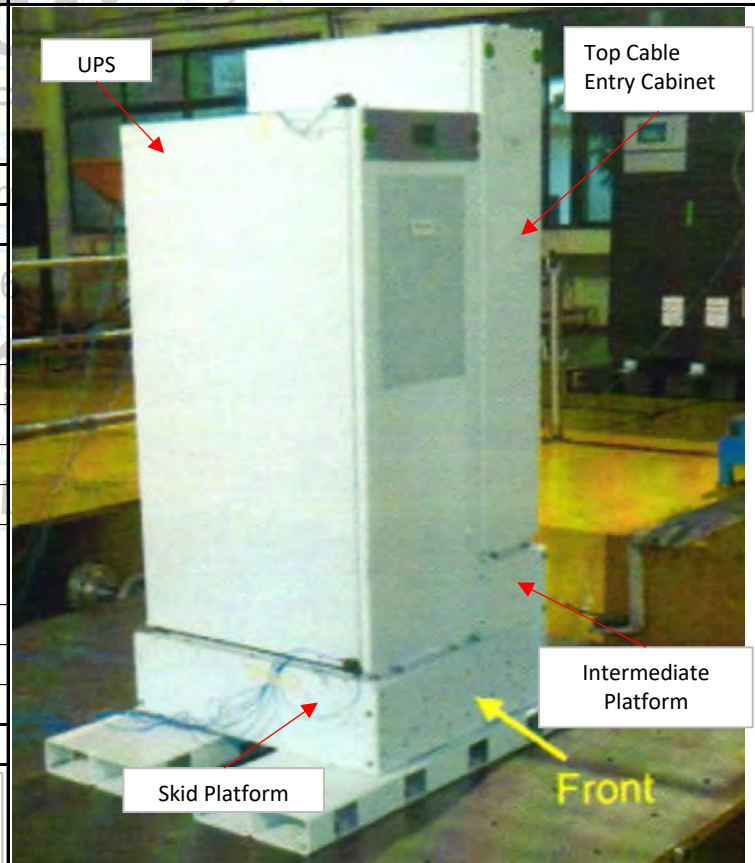
UUT Properties						
Weight (lbs.) ¹	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth ²	Width ²	Height ²	Front-Back	Side-Side	Vertical
1,232	36.6	32.9	78.0	11.32	7.07	26.96

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 2022	ICC-ES AC156	1.52	1.0	1.5	2.43	1.82	1.40	0.56	
		2.10	0.0						

Product Construction Summary:	Test Mounting Details:
Cabinet frames and panels are Cold Rolled Close Annealed (CRCA) steel and Galvanized Iron (GI).	

Options/Subcomponent Summary:	
Description	Part Number
Power Modules (S/N: BD2425006614, ID2350000161, ID2350000216)	0G-PM50KD2
Static Bypass Switch	0G-SBS150KD
Controller Box	0N-96783
Assembly Display Door	0N-87703
Assembly Terminal Left for AWS	0N-3500 x7
Assembly Outplate for Terminal Right	0N-3531 x6
Seismic Kit	GVSCCQ-QSV70039-01
Intermediate Platform	GVSCCQ-QSV04445-01
Skid Platform	GVSCCQ-QSV57354-01

Test Mounting Details:
<p>¹ Weight is the combination of UPS, Top Cable Entry Cabinet, skid platform, intermediate platform, and seismic kit.</p> <ul style="list-style-type: none"> - UPS: 807 lbs. - Top Entry Cabinet: 216 lbs. - Skid Platform: 132 lbs. - Intermediate Platform: 51 lbs. - Seismic Kit: 26 lbs. <p>² The width, depth and height dimensions are the combination of the UPS, Top Cable Entry Cabinet, skid platform, and intermediate platform.</p>



UUT1 was base mounted - rigid to the fixture using twelve (12) M16x50 hex bolts and washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.