



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

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

OFFICE USE ONLY

APPLICATION #: OSP-0736

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Schneider Electric

Manufacturer's Technical Representative: Muthuvel Sudalaimani

Mailing Address: Bommasandra Jigani Link Road, 4th Phase , Bangalore, N/ 562106

Telephone: +91 8067361000 Ext: 61338 Email: muthuvel.sudalaimani@se.com

Product Information

Product Name: UPS and Batteries

Product Type: UPS

Product Model Number: Galaxy VL

General Description: UPS and Maintenance Bypass Cabinet

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: None

Applicant Information

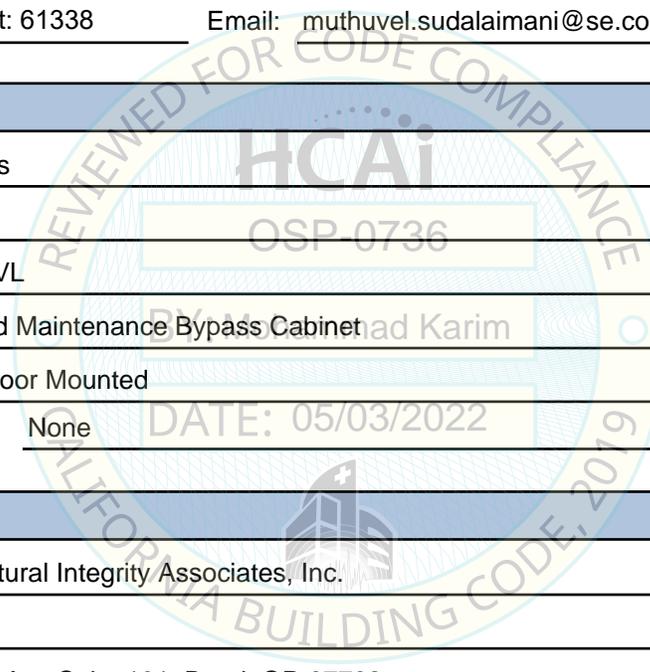
Applicant Company Name: Structural Integrity Associates, Inc.

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): _____

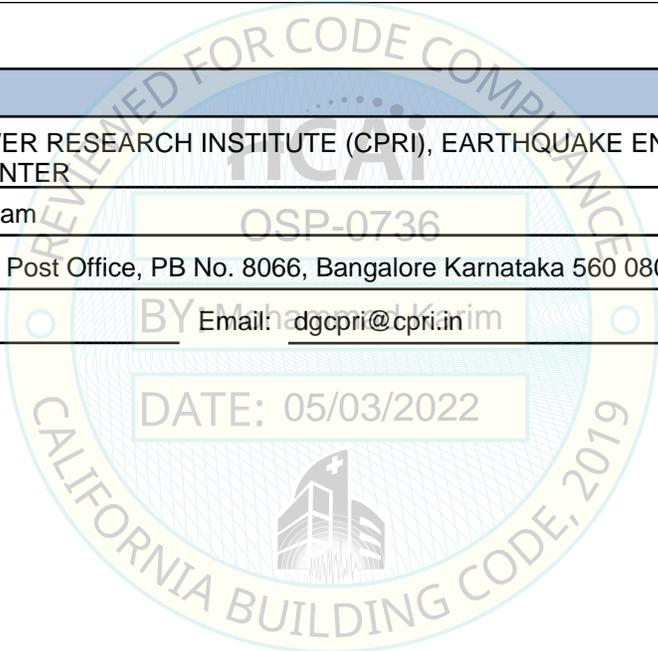
Testing Laboratory

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

Contact Person: R. Panneer Selvam

Mailing Address: Sadashivanagar Post Office, PB No. 8066, Bangalore Karnataka 560 080

Telephone: (802) 207-2487 Email: dgcpri@cpri.in





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 0.92 (SDS = 1.28); 0.86 (SDS = 1.9)

SDS (Design spectral response acceleration at short period, g) = 1.28 (z/h = 1); 1.9 (z/h = 0)

a_p (Amplification factor) = 1.0

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 05/03/2028

Date: 5/3/2022

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: 05/03/2022



UNIT UNDER TEST (UUT) SUMMARY SHEET



2001373-CR-001-R0

Manufacturer: Schneider Electric	UUT 1
Model Line: Galaxy VL	
Model Number: GVL200K500D with 10 PM Installed Serial Number: N/A	

Product Construction Summary:
Cabinet frames and panels are cold-formed carbon steel w/ 1.5-2.5mm thick frame members.

Options/Subcomponent Summary:
Frames: Schneider Electric (GVLFRM200K500D)
Power Modules: Schneider Electric (0G-SBS500KD and 0G-PM50KD2)
Contactors Assembly: Schneider Electric (0N-87879) **PSU Box:** Schneider Electric (0N-87861)
UC Box: Schneider Electric (0N-2124) **Port Expander:** Schneider Electric (0N-87860)
Display: Schneider Electric (0N-2084)

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,565	31.5	33.5	77.6	12.5	7.7	30.9

<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	1.28	1.0	1.5	2.05	1.54	1.27	0.51	
		1.90	0.0						

Test Mounting Details:



UUT was rigid base mounted using front seismic bracket 870-50100 (5 M12 bolts), and rear seismic bracket OM-50015 (4 M12 bolts).
 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

2001373-CR-001-R0



Manufacturer: Schneider Electric	UUT 2
Model Line: Galaxy VL	
Model Number: GVLFRM200K500D + GVLBCA200K500G Serial Number: N/A	

Product Construction Summary:
Cabinet frames and panels are cold-formed carbon steel w/ 1.5-2.5mm thick frame members.

Options/Subcomponent Summary:
Frames: Schneider (GVLFRM200K500D and GVLBCA200K500G)
Power Modules: Schneider (0G-SBS500KD and 0G-PM50KD2)
Contactors Assembly: Schneider (0N-87879) **PSU Box:** Schneider (0N-87861) **UC Box:** Schneider (0N-2124)
Port Expander: Schneider (0N-87860) **Display:** Schneider (0N-2084) **Circuit Breaker:** Schneider(PJ1200)

<i>UUT Properties</i>						
Weight ¹ (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width ¹	Height	Front-Back	Side-Side	Vertical
1,962	31.5	53.2	77.6	10.6	8.3	33.1

<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	1.28	1.0	1.5	2.05	1.54	1.27	0.51	
		1.90	0.0						

Test Mounting Details:



¹Weight and Dimensions listed are total for UPS and MB. Individual details are as follows:

MBC - 397 lbs., 19.7" Wide
UPS - 1,565 lbs., 33.5" Wide

UUT was rigid base mounted using front seismic brackets 870-50101 (4 M12 bolts) and 870-50100 (5 M12 bolts), and rear seismic brackets OM-50015 (4 M12 bolts) and OM-50014 (2 M12 bolts).
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.