



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0606

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Schneider Electric

Manufacturer's Technical Representative: Prasanna Thirukonda

Mailing Address: Bommasandra Jigani Link Road, 4th Phase, Bommasandraw Industrial Area, Bangalore-562106

Telephone: +91 99808 84273

Email: Prasanna.Thirukonda@se.com

Product Information

Product Name: UPS and Batteries

Product Type: UPS

Product Model Number: See Certified Product Listing Tables

General Description: Electrical UPS, Battery cabinets, and maintenance bypass panels constructed of sheet metal enclosures.

Mounting Description: Base mounted rigid & Wall 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, Inc.

Contact Person: Galen Reid

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

Telephone: (844) 878-0200

Email: greid@structint.com

Title: Director, TRU Compliance



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

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: PB No. 8066, Sadashiva Nagar P.O, Prof. Sir C.V. Raman Rd., Bengaluru - 560 080, India

Telephone: +91 80-2207 2487

BY: Mohammed Karim Email: dgcprl@cpri.in

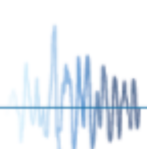
Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Greg Mason

Mailing Address: 7800 Highway 20 West, Huntsville AL 35806

Telephone: (256) 837-4411

Email: greg.mason@nts.com





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

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.00 (SDS = 1.33g, z/h = 1.0); 0.72 (SDS = 1.60g, z/h = 0.0)

SDS (Design spectral response acceleration at short period, g) = 1.33 (z/h = 1.0); 1.60 (z/h = 0.0)

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

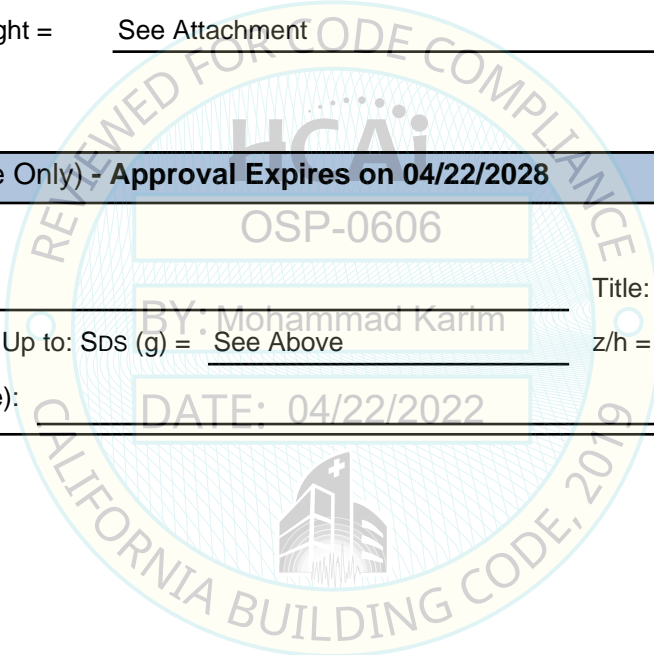
HCAI Approval (For Office Use Only) - Approval Expires on 04/22/2028

Date: 4/22/2022

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: 04/22/2022



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



2000495-CR-001-R2

Manufacturer: Schneider Electric						TABLE 1	
Model Line: Galaxy VS Bravo 2/Alpha 2							
Certified Product Construction Summary: Carbon Steel frame and panels All UPS models have identical internal components with either 1, 2, or 3 power modules. Door latches adjusted to be snug tight.							
Certified Options Summary: UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.							
Mounting Configuration: Base mounted - rigid (Standalone) Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2019						Seismic Certification Limits: $S_{DS} = 1.33g$ $z/h=1.0$ $S_{DS} = 1.60g$ $z/h=0.0$	
						$I_p = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Galaxy VS (208 V) UPS	GVSUPS10KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS10KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS15KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS15KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS20KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS25KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS25KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS40KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS40KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS50KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS50KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS60KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
GVSUPS75KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.	
Galaxy VS (480V) UPS	GVSUPS20KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS30KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS40KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS40KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS50KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
GVSUPS50KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	

TRU Compliance, by Structural Integrity Associates, Inc.

844-TRU-0200 | info@trucompliance.com

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



2000495-CR-001-R2

Manufacturer: Schneider Electric						TABLE 1	
Model Line: Galaxy VS Bravo 2/Alpha 2							
Certified Product Construction Summary: Carbon Steel frame and panels All UPS models have identical internal components with either 1, 2, or 3 power modules. Door latches adjusted to be snug tight.							
Certified Options Summary: UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.							
Mounting Configuration: Base mounted - rigid (Standalone) Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2019						Seismic Certification Limits: $S_{DS} = 1.33 g$ $z/h=1.0$ $S_{DS} = 1.60 g$ $z/h=0.0$	
						$I_p = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Galaxy VS (480V) UPS	GVSUPS60KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS60KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS80KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS80KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS100KGS	33.3	20.5	58.5	551	2 Power Modules	2
	GVSUPS100KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS120KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS150KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS50K150D	33.3	20.5	58.5	642	3 Power Modules	Interp.
GVSUPS150KD	33.3	20.5	58.5	642	3 Power Modules	6	
Galaxy VS Bravo UPS (Narrow)	GVSUPS20KB2D	33.3	13.0	58.5	816	10kW 208V, UUT: 20kW 480V 2 String Battery Modules	9
Galaxy VS Bravo UPS (Wide)	GVSUPS20KB4D	33.3	20.5	58.5	1,512	10KW 208V; 20KW 480V; 4 String Battery Modules	Interp.
Galaxy VS Bravo UPS (Wide)	GVSUPS50KB4D	33.3	20.5	58.5	1,437	15-25KW 208V; 30-50KW 480V; 4 String Battery Modules	Interp.
Galaxy VS Bravo UPS (Tall)	GVSUPS20K100B3H	33.3	22.0	78.0	1,933	20KW 480V IN; 400V OUT 3 String Battery Modules	18
Galaxy VS Bravo UPS (Tall)	GVSUPS20KB5D	33.3	22.0	78.0	2,134	10KW 208V; 20KW 480V; 5 String Battery Modules	Interp.
	GVSUPS50KB5D	33.3	22.0	78.0	2,238	15-25KW 208V; 30-50KW 480V; 5 String Battery Modules	Interp.
	GVSUPS60KB5D	33.3	22.0	78.0	2,193	30KW 208V; 60KW 480V; 5 String Battery Modules	Interp.

TRU Compliance, by Structural Integrity Associates, Inc.
844-TRU-0200 | info@trucompliance.com

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



2000495-CR-001-R2

Manufacturer: Schneider Electric					TABLE 1		
Model Line: Galaxy VS Bravo 2/Alpha 2							
Certified Product Construction Summary: Carbon Steel frame and panels All UPS models have identical internal components with either 1, 2, or 3 power modules. Door latches adjusted to be snug tight.							
Certified Options Summary: UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.							
Mounting Configuration: Base mounted - rigid (Standalone) Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2019			Seismic Certification Limits:		$S_{DS} = 1.33g$	$z/h = 1.0$	
					$S_{DS} = 1.60g$	$z/h = 0.0$	
		Dimensions (in)			Weight (lb)	Notes	UUT
Model Line	Model	Depth	Width	Height			
Galaxy VS Bravo UPS (Tall)	GVSUPS100KB5D	33.3	22.0	78.0	2,238	40-50KW 208V; 80-100KW 480V 5 String Battery Modules (UUT: 100kW 480V)	12
Galaxy VS Bravo Modular Battery Cabinet (ModBC)	GVSMODBC6	33.3	20.5	58.5	1,763	1.5M, 6 battery strings, circuit breaker, branch circuit fuse	11
	GVSMODBC9	33.3	22.0	78.0	2,865	2.0M, 9 battery strings, circuit breaker, branch circuit fuse	14

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



2000495-CR-001-R2

Manufacturer: Schneider Electric						TABLE 2	
Model Line: Galaxy VS Bravo 2/Alpha 2							
Certified Product Construction Summary: Carbon Steel frame and panels All UPS models have identical internal components with either 1, 2, or 3 power modules. Door latches adjusted to be snug tight.							
Certified Options Summary: UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.							
Mounting Configuration: Base mounted - rigid (Ganged) Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2019						Seismic Certification Limits: $S_{DS} = 1.33g$ $z/h=1.0$ $S_{DS} = 1.60g$ $z/h=0.0$	
						$I_p = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Galaxy VS (208 V) UPS	GVSUPS10KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS10KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS15KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS15KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS20KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS25KFS	33.3	20.5	58.5	485	1 Power Module	4
	GVSUPS25KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS40KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS40KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS50KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS50KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS60KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
GVSUPS75KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.	
Galaxy VS (480V) UPS	GVSUPS20KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS30KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS40KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS40KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS50KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
GVSUPS50KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	

TRU Compliance, by Structural Integrity Associates, Inc.

844-TRU-0200 | info@trucompliance.com

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



2000495-CR-001-R2

Manufacturer: Schneider Electric						TABLE 2		
Model Line: Galaxy VS Bravo 2/Alpha 2								
Certified Product Construction Summary: Carbon Steel frame and panels All UPS models have identical internal components with either 1, 2, or 3 power modules. Door latches adjusted to be snug tight.								
Certified Options Summary: UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.								
Mounting Configuration: Base mounted - rigid (Ganged) Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.								
Building Code: CBC 2019						Seismic Certification Limits: $S_{DS} = 1.33g$ $z/h=1.0$ $S_{DS} = 1.60g$ $z/h=0.0$		$I_p = 1.5$
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT	
		Depth	Width	Height				
Galaxy VS (480V) UPS	GVSUPS60KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS60KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.	
	GVSUPS80KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS80KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.	
	GVSUPS100KGS	33.3	20.5	58.5	551	2 Power Modules	1,3,5	
	GVSUPS100KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.	
	GVSUPS100KB5D	33.3	22.0	78.0	1,719	2 Power Modules	8	
	GVSUPS120KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.	
	GVSUPS150KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.	
	GVSUPS50K150D	33.3	20.5	58.5	642	3 Power Modules	Interp.	
	GVSUPS150KD	33.3	20.5	58.5	642	3 Power Modules	7	
Galaxy VS Bravo UPS (Narrow)	GVSUPS20KB2D	33.3	13.0	58.5	816	10kW 208V, UUT: 20kW 480V 2 String Battery Modules	Interp.	
Galaxy VS Bravo UPS (Wide)	GVSUPS20KB4D	33.3	20.5	58.5	1,512	10KW 208V; 20KW 480V; 4 String Battery Modules	10	
	GVSUPS50KB4D	33.3	20.5	58.5	1,437	15-25KW 208V; 30-50KW 480V; 4 String Battery Modules	17	
Galaxy VS Bravo UPS (Tall)	GVSUPS20KB5D	33.3	22.0	78.0	2,134	10KW 208V; 20KW 480V; 5 String Battery Modules	Interp.	
	GVSUPS50KB5D	33.0	22.0	78.0	2,238	15-25KW 208V; 30-50KW 480V; 5 String Battery Modules	Interp.	
	GVSUPS60KB5D	33.0	22.0	78.0	2,193	30KW 208V; 60KW 480V; 5 String Battery Modules	Interp.	

TRU Compliance, by Structural Integrity Associates, Inc.
844-TRU-0200 | info@trucompliance.com

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



2000495-CR-001-R2

Manufacturer: Schneider Electric					TABLE 2		
Model Line: Galaxy VS Bravo 2/Alpha 2							
Certified Product Construction Summary: Carbon Steel frame and panels All UPS models have identical internal components with either 1, 2, or 3 power modules. Door latches adjusted to be snug tight.							
Certified Options Summary: UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.							
Mounting Configuration: Base mounted - rigid (Ganged) Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2019					Seismic Certification Limits: $S_{DS} = 1.33g$ $z/h=1.0$ $S_{DS} = 1.60g$ $z/h=0.0$ $I_p = 1.5$		
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Galaxy VS Bravo UPS (Tall)	GVSUPS100KB5D	33.3	22.0	78.0	2,238	40-50kW 208V; 80-100kW 480V 5 String Battery Modules (UUT: 100kW 480V)	13
Galaxy VS Bravo Modular Battery Cabinet (ModBC)	GVSMODBC6	33.3	20.5	58.5	1,763	1.5M, 6 battery strings, circuit breaker, branch circuit fuse	10
	GVSMODBC9	33.3	22.0	78.0	2,865	2.0M, 9 battery strings, circuit breaker, branch circuit fuse	13
Maintenance Bypass Cabinet (MBC)	GVSBPUSU80G	33.3	11.8	58.5	243	208V: 10-40kW, 480V: 20-80kW	Interp.
	GVSBPUSU150G	33.3	11.8	58.5	265	208V: 50-75kW, 480V: 100-150kW	1
MBC w/out Transformer	GVSBP100T	33.3	23.6	78.0	430	100kW, 208V: 10-50kW, 480V: 20-100kW	Interp.
MBC with Input Transformer	GVSBPIT25	33.3	23.6	58.5	771	25kW, 480V/600V IN	4
	GVSBPIT25B	33.3	23.6	58.5	771	25kW, 480V/600V IN	Interp.
	GVSBPIT50	33.3	23.6	58.5	1,102	50kW, 480V/600V IN	Interp.
MBC with Output Transformer	GVSBPIT75	33.3	23.6	58.5	1,364	75kW, 480V/600V IN	Interp.
	GVSBPOT50	33.3	23.6	58.5	1,102	50kW, 480V IN	Interp.
	GVSBPOT50B	33.3	23.6	58.5	1,109	50kW, 480V IN	17
	GVSBPOT100	33.3	23.6	58.5	1,367	100kW, 480V IN	3,5
	GVSBPOT100T	33.3	23.6	78.0	1,764	100kW, 480V IN	8
	GVSBPOT150	33.3	31.5	58.5	2,002	150kW, 480V IN	7

**SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX**



2000495-CR-001-R2

Manufacturer: Schneider Electric						TABLE 3	
Model Line: Galaxy VS Bravo 2/Alpha 2							
Certified Product Construction Summary: Carbon Steel frame and panels All UPS models have identical internal components with either 1, 2, or 3 power modules. Door latches adjusted to be snug tight.							
Certified Options Summary: UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.							
Mounting Configuration: Wall 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: $S_{DS} = 1.33 g$ $z/h=1.0$ $I_p = 1.5$ $S_{DS} = 1.60 g$ $z/h=0.0$				
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Maintenance Bypass Panel (MBP)	GVCBPSU60G-WP	8.7	23.6	26.0	62	10-30kW 208V, 20-60kW 480V UUT9: 60kW 480V	15
	GVCBPSU100G-WP	11.0	39.4	33.0	192	25-50kW 208V, 50-100kW 480V UUT10: 100kW 480V	16

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2000495-CR-001-R2



Manufacturer: Schneider Electric	Table Description: Electrical Subcomponents	TABLE 4
Model Line: Galaxy VS Bravo 2/Alpha 2		

Building Code: CBC 2019	Seismic Certification Limits:	$S_{DS} = 1.33 g$ $z/h = 1.0$	$I_p = 1.5$
		$S_{DS} = 1.60 g$ $z/h = 0.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Circuit Breakers	Square D	HDL36100	MCCB 100A 600VAC 3P H Frame		18
		BJF46125	MCCB 125A 600VAC 4P B Frame		15
		JDF36150	MCCB 150A 500VDC 3P		11
		JGF37150D81	MCCB 150A 500VDC 3P		Interp.
		HJF36150CU31X	MCCB 150A 600VAC 3P H Frame 65KA		4,8,15,17
		JDF36250	MCCB 250A 500VDC 3P		1,3,5,8,17
		JGF37250D82	MCCB 250A 500VDC 3P		Interp.
		JJF36250CU31X	MCCB 250A 600VAC 3P J Frame 65KA		1,3,5,7,8,16,17
		LJF46250CU31X	MCCB 250A 600VAC 4P L Frame MIC3.3		Interp.
		LJF36400CU31X	MCCB 400A 600VAC 3P L Frame 65KA		1
Power Supply Units	Schneider Electric	ABLP1A24045	24VDC Power Supply		18
		0N-96782	Assy PSU-Connection Box		1-5,9,10,12,13,17,18
		0N-96783	Controller box		1-10,12,13,17,18
		0N-96968	Battery Cartridge, 9Ah BRAVO		17,18
		0N-96969	Battery Cartridge, 9Ah BRAVO		18
I/O Assembly	Schneider Electric	0N-96740	I/O Assembly, Bravo, 50kVA		17

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2000495-CR-001-R2



Manufacturer: Schneider Electric Model Line: Galaxy VS Bravo 2/Alpha 2		Table Description: Electrical Subcomponents			TABLE 4	
Building Code: CBC 2019		Seismic Certification Limits:			$S_{DS} = 1.33 g \quad z/h = 1.0$ $S_{DS} = 1.60 g \quad z/h = 0.0$	
					$I_p = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT	
Power Module	Schneider Electric	0G-PM20KD	Assy. Generic Power Module 20KW AGILIS		9,10,12	
		0G-PM50KD	Assy Generic Power Module 50KW AGILIS		1-8,12,13,17,18	
		0G-PM50KD2	Assy. Generic Power Module 50KW AGILIS		Interp.	
Contactor	Schneider Electric	451-1167-Z	Contactor TESYS 32A AC-3 3P 24V DC		9,10,12	
		451-1240	Contactor 91A 24VDC 3 Poles Busbar		10	
		LC1D65A6BDS304	Contactor 91A 24VDC 3 Poles Busbar ROHS		1,2,3,4,5,12,13	
		LC1F150BD	Contactor 3P AC3-150A,440VAC Coil 24VDC		1,2,3,4,5,13	
Switches	Schneider Electric	540-9254	TESYS Vario Switch 40A 690V		9	
		540-9256	Disconnecter Switch 80A 690V		10,12	
		540-9253	Disconnecter Switch 175A 690V		13	
		LV429629	Switch 100A 600VAC 3(NSX Frame		18	
		LV431629	Switch-Disconnecter Compact NSX250NA -3P		1,2,3,4,5	
Static Bypass Switch	Schneider Electric	0G-SBS20KD	SBS20KVA Module AGILIS		9	
		0G-SBS50KD	SBS50KVA Module AGILIS		10,17	
		0G-SBS100KD	SBS100KVA Module Agilis		1-5,8,12,13,18	
		0G-SBS150KD	SBS150KW Module Alpha		6,7	

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2000495-CR-001-R2



Manufacturer: Schneider Electric	Table Description: Electrical Subcomponents	TABLE 4
Model Line: Galaxy VS Bravo 2/Alpha 2		

Building Code: CBC 2019	Seismic Certification Limits:	$S_{DS} = 1.33 g$ $z/h = 1.0$	$I_p = 1.5$
		$S_{DS} = 1.60 g$ $z/h = 0.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Fuses	Bussman	515-1069-Z	Fuse Fast 63A 690VAC		11,14
	Mersen	AJT150EI	Fuse AJT150A 500VDC		11
		A330188	FUS 315A AR SCW 100X48X20		1,2,3,4,5
		N330039	Fuse Fast 160A 500VDC/690VAC		9
		TME00470	Fuse 200A AR Blade-mount 48X38.5MM		10,12
		AJT300EI	Fuse AJT300A 500VDC		14
		TME00373	Mains 1 Fuse 315A AR SCW DIN80,000		13
		TME00333	Bypass Fuse 400A AR SCW DIN80,000		13
Batteries	B.B.	BP7-12	7Ah battery		9,10, 12,13
	CSB	GP1272	7Ah battery		9,10,11, 12,13,14
		HRL1234WF2	9Ah battery		9,10,11, 12,13,14
		HR1234WF2	9Ah battery		9,10,11, 12,13,14
		XTV 1285	9Ah battery	Same as HR1234WF2	Interp.
		UP-PW1245P1	9Ah battery		9,10,11, 12,13,14
	Vision	CP1270	7Ah battery		9,10,11, 12,13,14
		CP1290 FR	9Ah battery		9,10,11, 12,13,14

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2000495-CR-001-R2



Manufacturer: Schneider Electric Model Line: Galaxy VS Bravo 2/Alpha 2		Table Description: Electrical Subcomponents			TABLE 4	
Building Code: CBC 2019		Seismic Certification Limits:			$S_{DS} = 1.33g \quad z/h = 1.0$ $S_{DS} = 1.60g \quad z/h = 0.0$	
					$I_p = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT	
Batteries	GS	PXL12090	9Ah battery		9,10,11,12,13,14	
Battery Module	APC-MGE	GVSBTU	Batt Module, High Capacity, 9Ah		8	
		0N-96968	Battery Cartridge, 9Ah, Bravo		8	
		0N-87728	Assy Switch Sub, 80kw Agilis		8	
Battery Cartridge	Schneider Electric	GVSBTU	7Ah Modular battery cartridge w/63A Fuse		9,10,11,12,13,14	
		GVSBTU	9Ah Modular Battery cartridge w/63A Fuse		9,10,11,12,13,14	
		GVSBTHULL	9Ah Modular Battery cartridge w/63A Fuse		9,10,11,12,13,14	
Control Board	Schneider Electric	0N-87771	Battery management control board		11,14	
Transformers	Jinggquanhou Electronics	TP-0432-0376	20kVA, 3-Phase, Cu windings, 386 lbs.		18	
		TP-0030-0542	30kVA, 3-Phase, Cu windings, 430 lbs.		Interp.	
		TP-0030-0457	30kVA, 3-Phase, Cu windings, 489 lbs.		4	
		TP-0060-0547	60kVA, 3-Phase, Cu windings, 750 lbs.		17	
		TP-0060-0458	60kVA, 3-Phase, Cu windings, 805 lbs.		Interp.	
		TP-0090-0624	90kVA, 3-Phase, Cu windings, 948 lbs.		Interp.	
		TP-0100-0459	100kVA, 3-Phase, Cu windings, 1157 lbs.		3,5,8	
		TP-0180-0580	180kVA, 3-Phase, Cu windings		7	

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2000495-CR-001-R2



Manufacturer: Schneider Electric	Table Description: Optional Components	TABLE 5
Model Line: Galaxy VS Bravo 2/Alpha 2		

Building Code: CBC 2019	Seismic Certification Limits:	$S_{DS} = 1.33 g$ $z/h = 1.0$	$I_p = 1.5$
		$S_{DS} = 1.60 g$ $z/h = 0.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Seismic Kits	Schneider Electric	GVSOPT017	Seismic Kit for Narrow UPS		1
		GVSOPT002	Seismic Kit for Wide UPS or Modular Battery Cabinet		1,2,3,4,5,10,11
		GVSOPT016	Seismic Kit for Tall UPS or Modular Battery Cabinet		12,13,14,18
		GVSOPT003	Seismic Kit for Narrow Bypass Floormount		1,9
		GVSOPT008	Seismic Kit for Transformer Cabinet		3,4,5
		GVSOPT029	Seismic Kit for 150kW Transformer Cabinet		7
		GVSOPT025	Seismic Kit for Maintenance Bypass Cabinet with Transformer, Tall		8
		870-31132	Seismic Anchor Kit Front (Alpha/Bravo)		6,7
		870-97772	Seismic Anchor Kit Rear (Alpha/Bravo)		7
		870-31131	Seismic Kit Rear (Alpha/Bravo)		6
		870-54790	Seismic Anchor Kit Front (Bravo)		8
		870-53396	Seismic Anchor Kit Rear (Bravo)		8
Kirk Key Kit	Schneider Electric	GVSOPT004	Kirk Key Kit for Maintenance Bypass		1
		GVSOPT007	Kirk Key Kit for Transformer Cabinet		3,5
Air Filter Kit	Schneider Electric	GVSOPT015	Air Filter Kit for Narrow UPS		9
		GVSOPT001	Air Filter Kit for Wide UPS		10
		GVSOPT014	Air Filter Kit for Tall UPS		12,13,18
NEMA 2 Hole Lug Kit	Schneider Electric	GVSOPT020	NEMA 2 Hole Busbar for Tall UPS		12,13
Parallel Communications Kit	Schneider Electric	GVSOPT006	Parallel w/ 1+1 aux sw Kit		12,13

TRU Compliance, by Structural Integrity Associates, Inc.

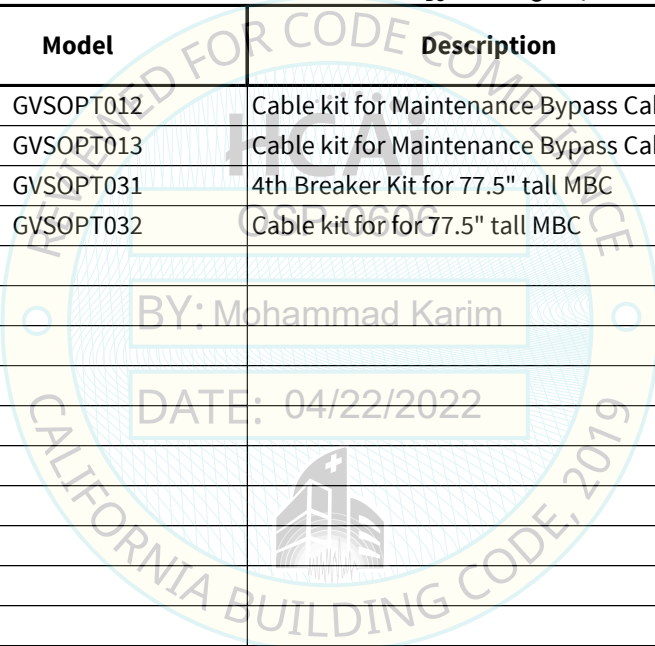
844-TRU-0200 | info@trucompliance.com

**SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX**

2000495-CR-001-R2



Manufacturer: Schneider Electric Model Line: Galaxy VS Bravo 2/Alpha 2		Table Description: Optional Components			TABLE 5	
Building Code: CBC 2019		Seismic Certification Limits:			$S_{DS} = 1.33 g \quad z/h = 1.0$ $S_{DS} = 1.60 g \quad z/h = 0.0$	
					$I_p = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT	
Cable Kit	Schneider Electric	GVSOPT012	Cable kit for Maintenance Bypass Cabinet		17	
		GVSOPT013	Cable kit for Maintenance Bypass Cabinet	Same as GVSOPT012	Interp.	
		GVSOPT031	4th Breaker Kit for 77.5" tall MBC		8	
		GVSOPT032	Cable kit for for 77.5" tall MBC		8	



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer:		Schneider Electric						
Model Line:		Galaxy VS Bravo 2/Alpha 2						
UUT	Unit Description	Report Number	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _p
1	Galaxy VS (480V) GVSUPS100KGS & GVSBP5U150G	PR079655-TR-18 & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
2	Galaxy VS (480V) GVSUPS100KGS	PR079655-TR-18 (UUT2a) & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
3	Galaxy VS (480V) GVSUPS100KGS & GVSBPOT100	PR079655-TR-18 & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
4	Galaxy VS (208V) GVSUPS25KFS & GVSBPIT25	PR079655-TR-18 & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
5	Galaxy VS (480V) GVSUPS100KGS & GVSBPOT100	PR087029-01TR Rev. 1 (UUT1) & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
6	Galaxy VS (480V) GVSUPS150KD	CPRIBLREVRMIS C19T0065 & Addendum 2_R0	CPRI - India	2019	Yes	1.45 2.00	1.0 0.0	1.5
7	Galaxy VS (480V) GVSUPS150KD & GVSBPOT150	CPRIBLREVRMIS C19T0063 & Addendum 3_R0	CPRI - India	2019	Yes	1.45 2.00	1.0 0.0	1.5
8	Galaxy VS (480V) GVSUPS100KB5D & OG- GVSBPOT100T	CPRIBLREVRMIS C20T0004 & Addendum 4_R0	CPRI - India	2020	Yes	1.54 1.69	1.0 0.0	1.5
9	Galaxy VS Bravo 20kW UPS (Narrow)	PR88708-01TR Rev.1 (UUT1, Run 9)	NTS - Huntsville	2019	Yes	1.45 1.67	1.0 0.0	1.5
10	Galaxy VS Bravo - 20kW UPS (Wide) w/ 1.5M ModBC	PR88708-01TR Rev.1 (UUT 2, Run 9)	NTS - Huntsville	2019	Yes	1.45 1.67	1.0 0.0	1.5
11	1.5M ModBC (Wide)	PR88708-01TR Rev.1 (UUT4, Run 12)	NTS - Huntsville	2019	Yes	1.50 1.64	1.0 0.0	1.5
12	Galaxy VS Bravo 100kW UPS (Tall)	PR88708-01TR Rev.1 (UUT 6a, Run 18)	NTS - Huntsville	2019	Yes	1.54 1.69	1.0 0.0	1.5

Notes:

UNIT UNDER TEST (UUT) SUMMARY SHEET

2000495-CR-001-R2



Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2

UUT	Unit Description	Report Number	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _p
13	Galaxy VS Bravo - 100kW UPS (Tall) w/ 2.0M ModBC	PR88708-01TR Rev.1 (UUT7, Run 16)	NTS - Huntsville	2019	Yes	1.43 1.66	1.0 0.0	1.5
14	2.0M ModBC (Tall)	PR88708-01TR Rev.1 (UUT8, Run 17)	NTS - Huntsville	2019	Yes	1.63 1.64	1.0 0.0	1.5
15	Maintenance Bypass Panel 20KW, Wall mounted	PR88708-01TR Rev.1 (UUT9, Run 5)	NTS - Huntsville	2019	Yes	1.33 1.63	1.0 0.0	1.5
16	Maintenance Bypass Panel 100KW, Wall mounted	PR88708-01TR Rev.1 (UUT10, Run 5)	NTS - Huntsville	2019	Yes	1.33 1.63	1.0 0.0	1.5
17	Galaxy VS Bravo 50kW UPS w/50kW MBC	CPRIBLREVRC19T 0113	CPRI - India	2019	Yes	1.45 1.60	1.0 0.0	1.5
18	Galaxy VS Bravo 20kW UPS (Tall)	CPRIBLREVRCMIS C21T0033	CPRI - India	2021	Yes	1.54 1.69	1.0 0.0	1.5

Notes:

UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 1
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS100KGS w/GVSBPSU150G Serial Number: N/A	

Product Construction Summary:
100kW UPS with 150kW MBC
Carbon steel frame and panels

Options/Subcomponent Summary:
(2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, Seismic kit

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
816	33.3	32.3	58.5	16.2	8.0	>33.3

<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	1.45	1.0	1.5	2.32	1.74	1.33	0.53	
		2.00	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT002 and GVSOPT003). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. 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

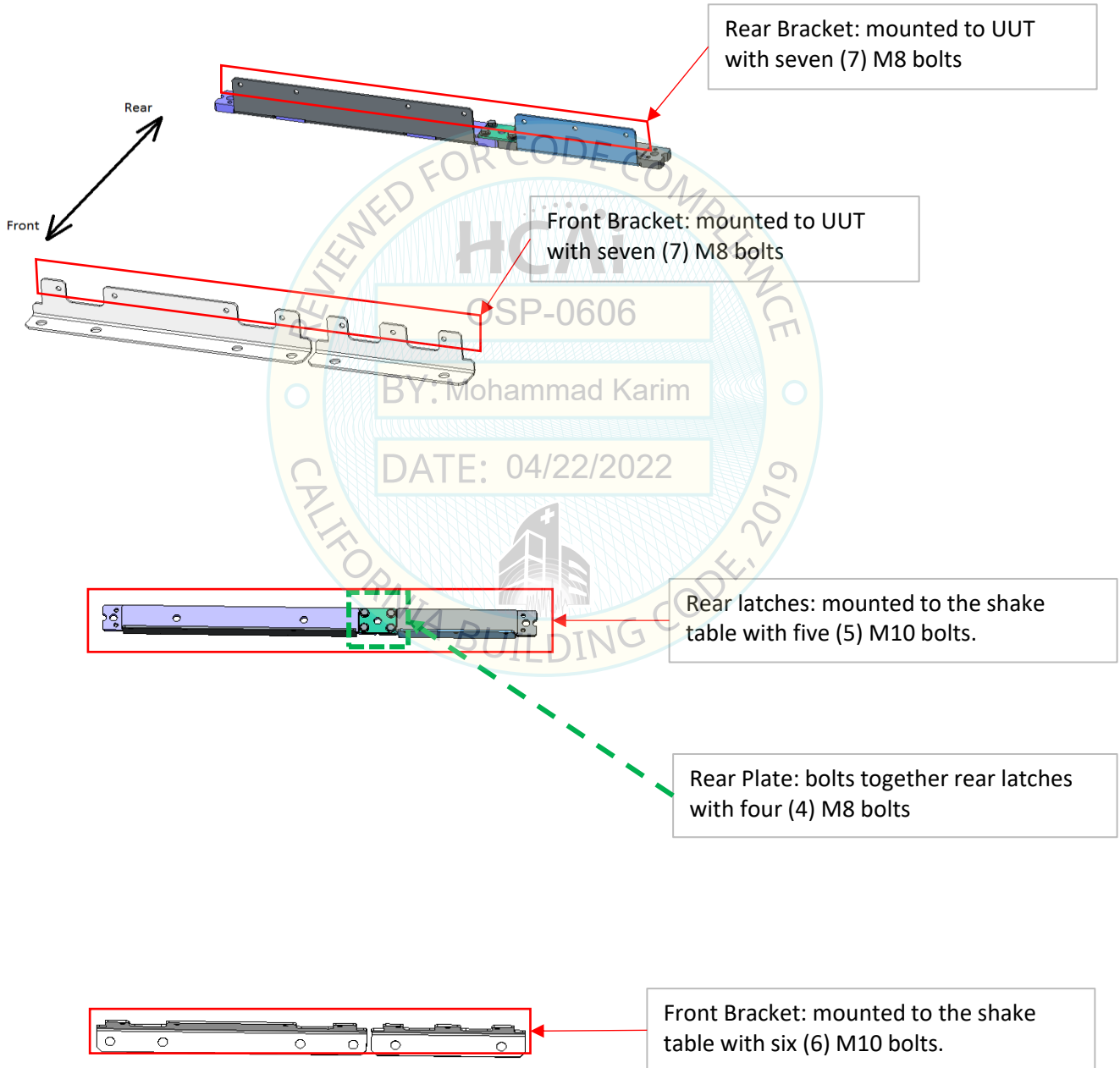
2000495-CR-001-R2



Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS100KGS w/GVSBPSU150G
Serial Number: N/A

UUT 1

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 2
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS100KGS Serial Number: N/A	

Product Construction Summary:
100kW UPS
Carbon steel frame and panels

Options/Subcomponent Summary:
(2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, Seismic kit

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
551	33.3	20.5	58.5	15.9	6.1	>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	1.45	1.0	1.5	2.32	1.74	1.33	0.53
		2.00	0.0					

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (PN: GVSOPT002). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. 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

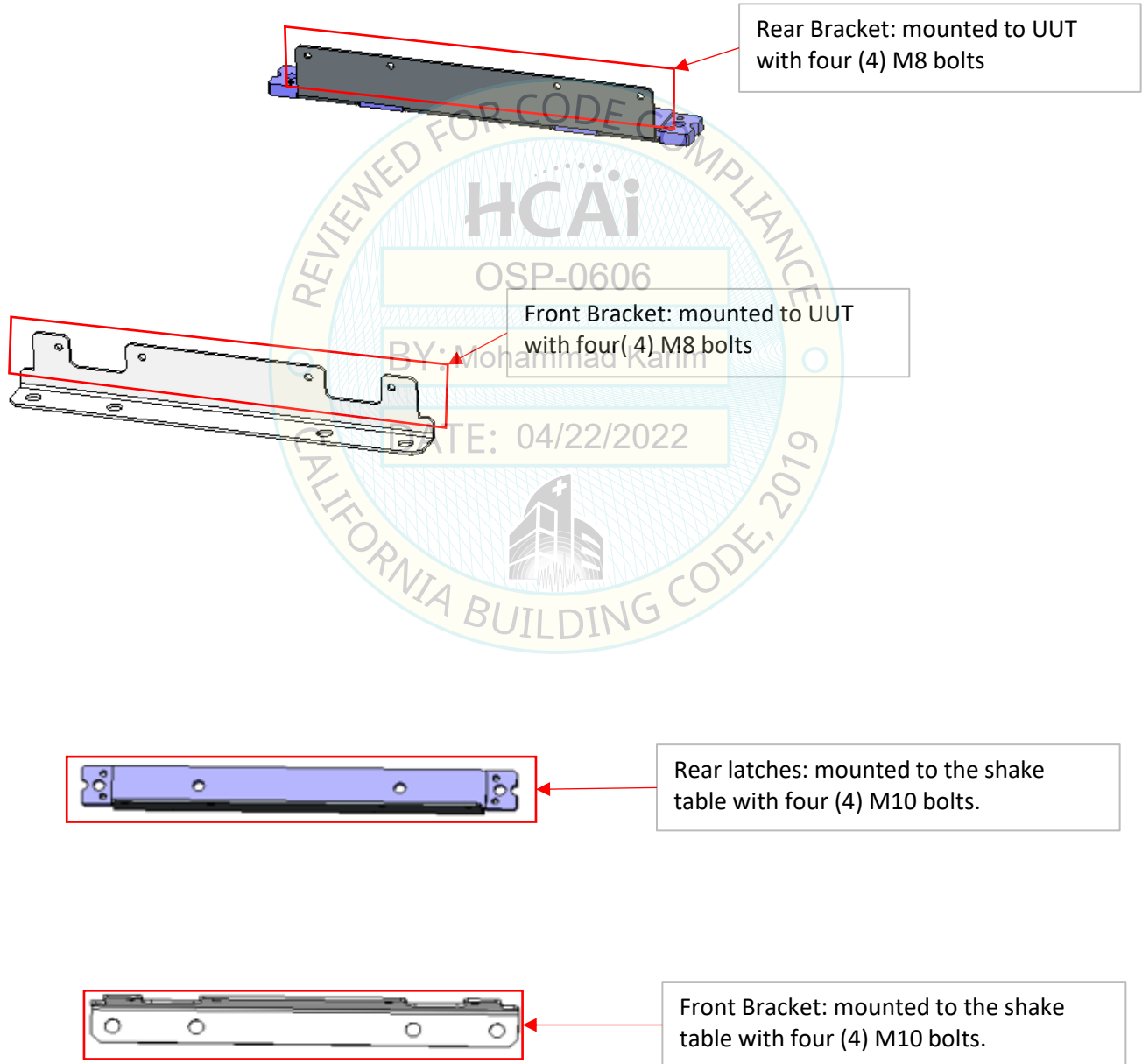
2000495-CR-001-R2



Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS100KGS
Serial Number: N/A

UUT 2

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 3
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS100KGS w/GVSBPOT100	
Serial Number: N/A	

Product Construction Summary:
100kW UPS with 100kW MBC and output transformer
Carbon steel frame and panels

Options/Subcomponent Summary:
(2) Power Modules, 91A 24VDC 3-pole contactor, 250A J-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, 100kVA Transformer, Seismic kit

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,918	33.3	44.1	58.5	14.7	9.7	18.2

<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	1.45	1.0	1.5	2.32	1.74	1.33	0.53	
		2.00	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. 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

2000495-CR-001-R2

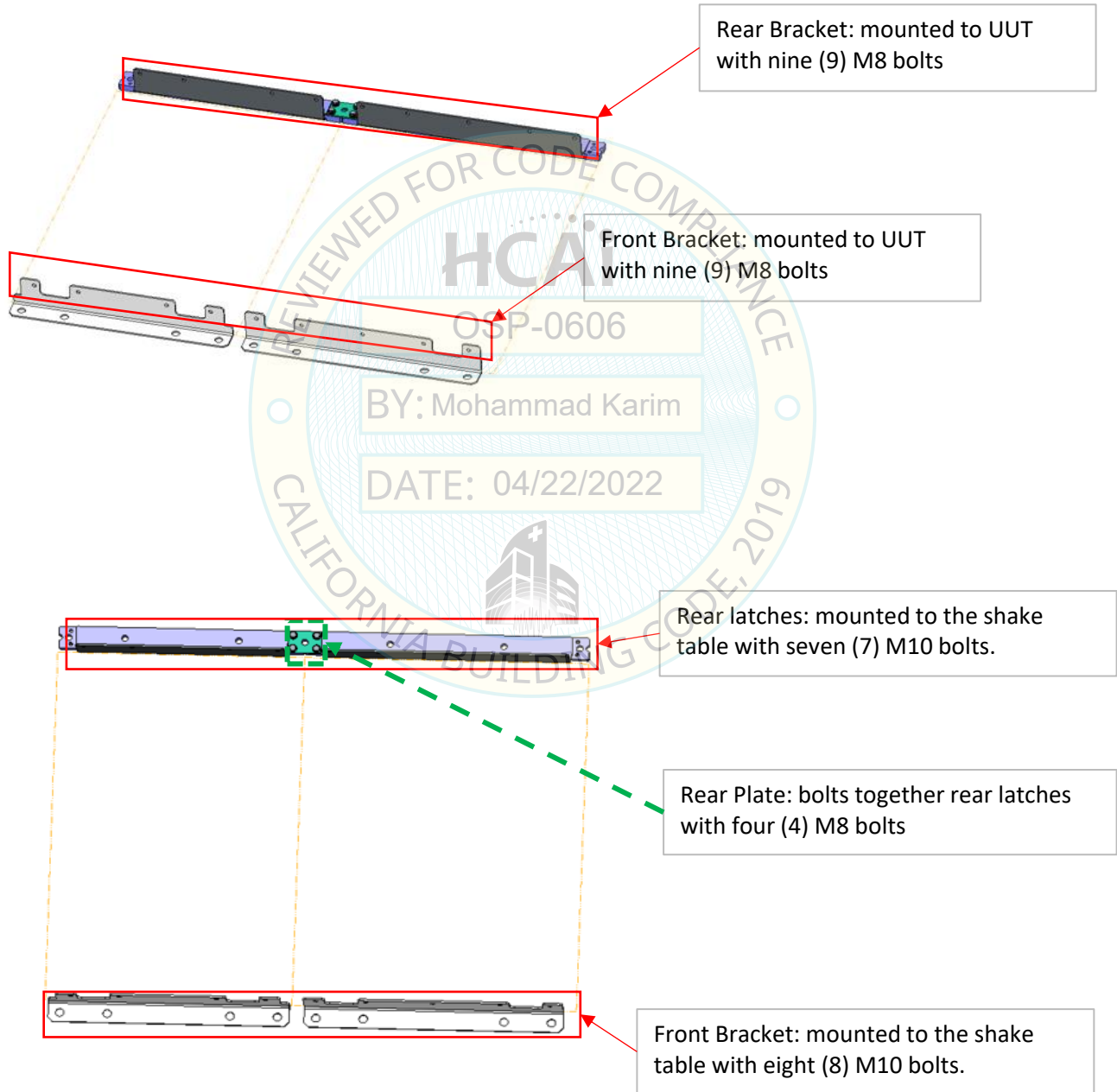


Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS100KGS w/GVSBPOT100

Serial Number: N/A

UUT 3

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 4
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS25KFS w/GVSBPIT25	
Serial Number: N/A	

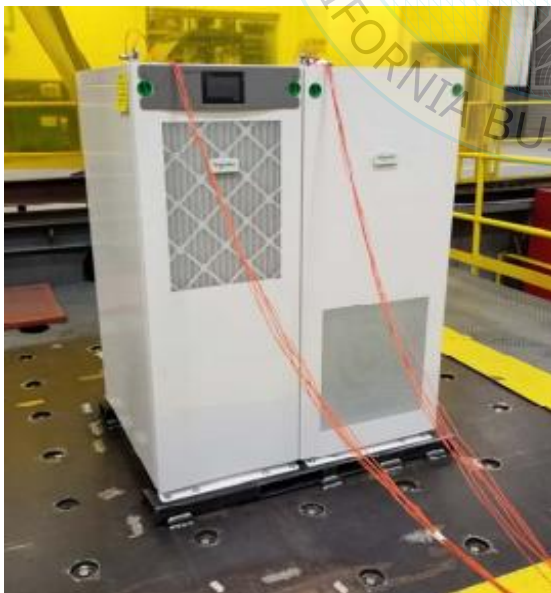
Product Construction Summary:
25kW UPS with 25kW MBC and input transformer
Carbon steel frame and panels

Options/Subcomponent Summary:
(1) Power Module, 91A 24VDC 3-pole contactor, 150A H-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, 30kVA Transformer, Seismic kit

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,256	33.3	44.1	58.5	19.5	13.3	22.0

<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	1.45	1.0	1.5	2.32	1.74	1.33	0.53	
		2.00	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. 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

2000495-CR-001-R2

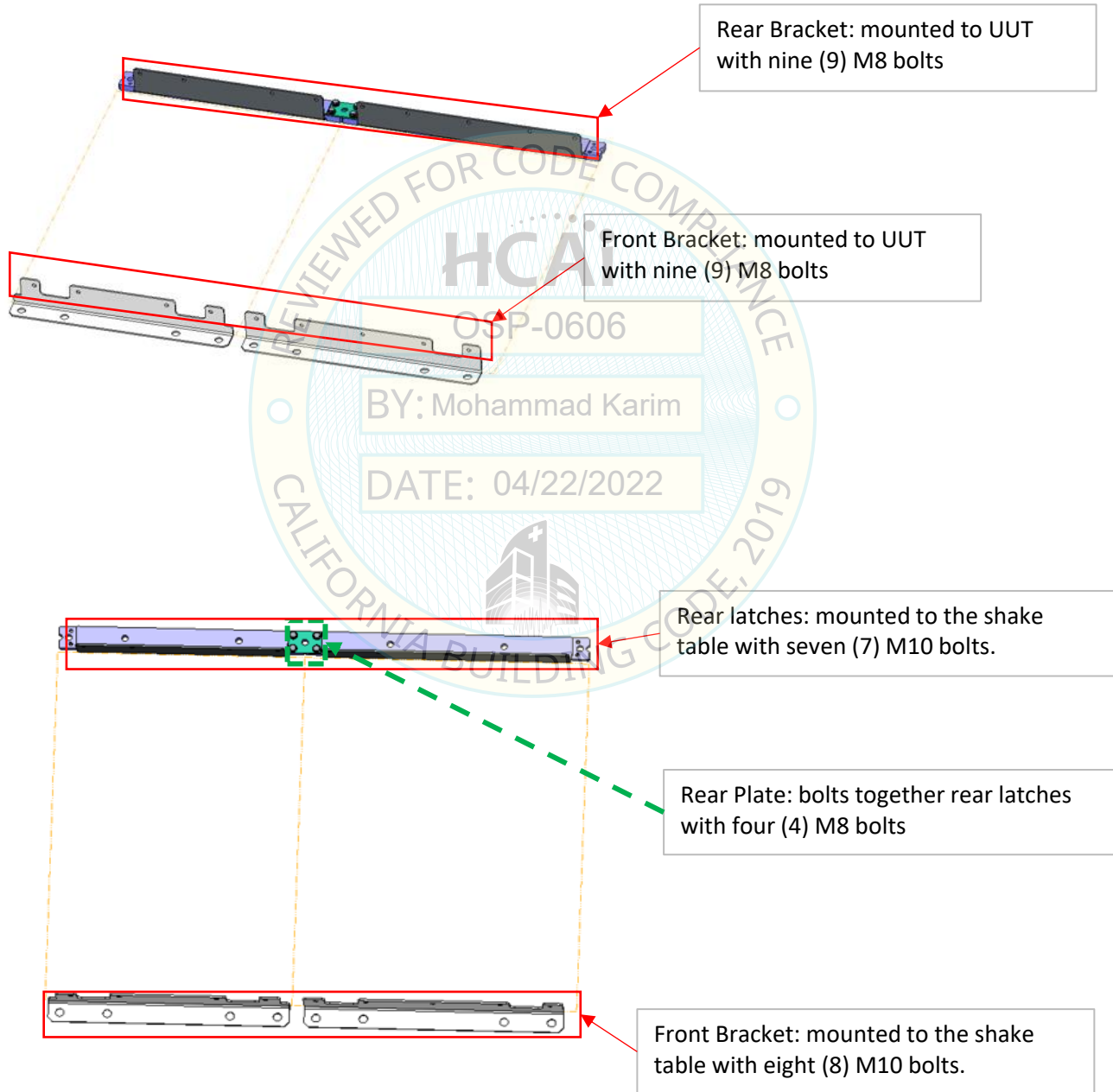


Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS25KFS w/GVSBPIT25

Serial Number: N/A

UUT 4

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 5
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS100KGS w/GVSBPOT100	
Serial Number: N/A	

Product Construction Summary:
100kW UPS with 100kW MBC and input transformer
Carbon steel frame and panels

Options/Subcomponent Summary:
(2) 50kW Power Modules, 91A 24VDC 3-pole contactor, 250A J-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, 100kVA Transformer, Seismic kit

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,918	33.3	44.1	58.5	12.8	8.6	19.4

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	1.45	1.0	1.5	2.32	1.74	1.33	0.53
		2.00	0.0					

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. 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

2000495-CR-001-R2

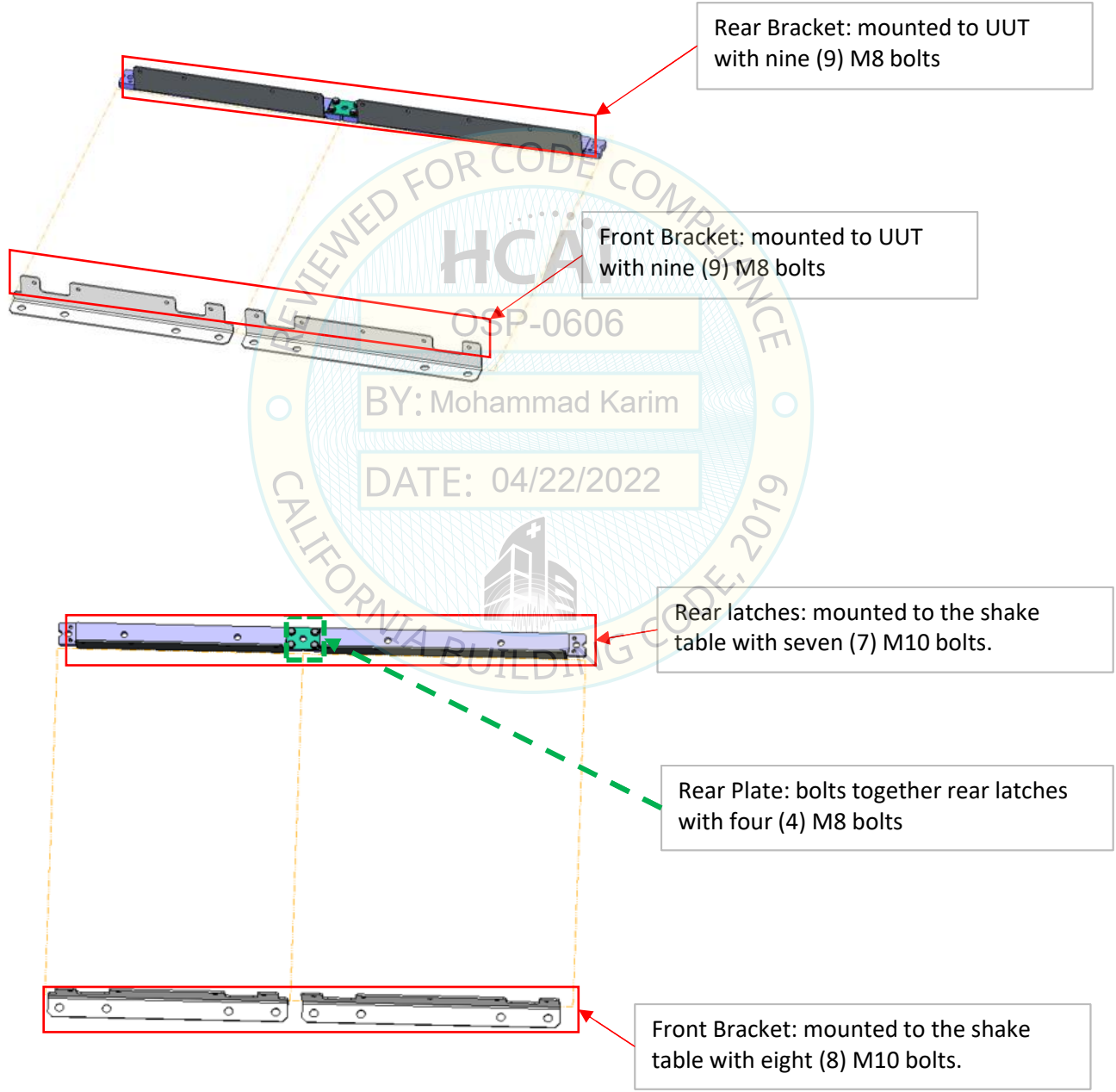


Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS100KGS w/GVSBPOT100

Serial Number: N/A

UUT 5

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 6
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS150KD Serial Number: N/A	

Product Construction Summary:
150kW UPS
Carbon steel frame and panels

Options/Subcomponent Summary:
(3) 50kW Power Modules, Static Bypass switch 150kW rating, Seismic kit, Assy UC-SLC Controller Box, Assy Generic Power Modules.

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
642	33.3	20.5	58.5	14.8	4.8	28.4

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	1.45	1.0	1.5	2.32	1.74	1.33	0.53
		2.00	0.0					

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (870-31131 and 870-31132). The seismic kit mounting details can be found on the following page.
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

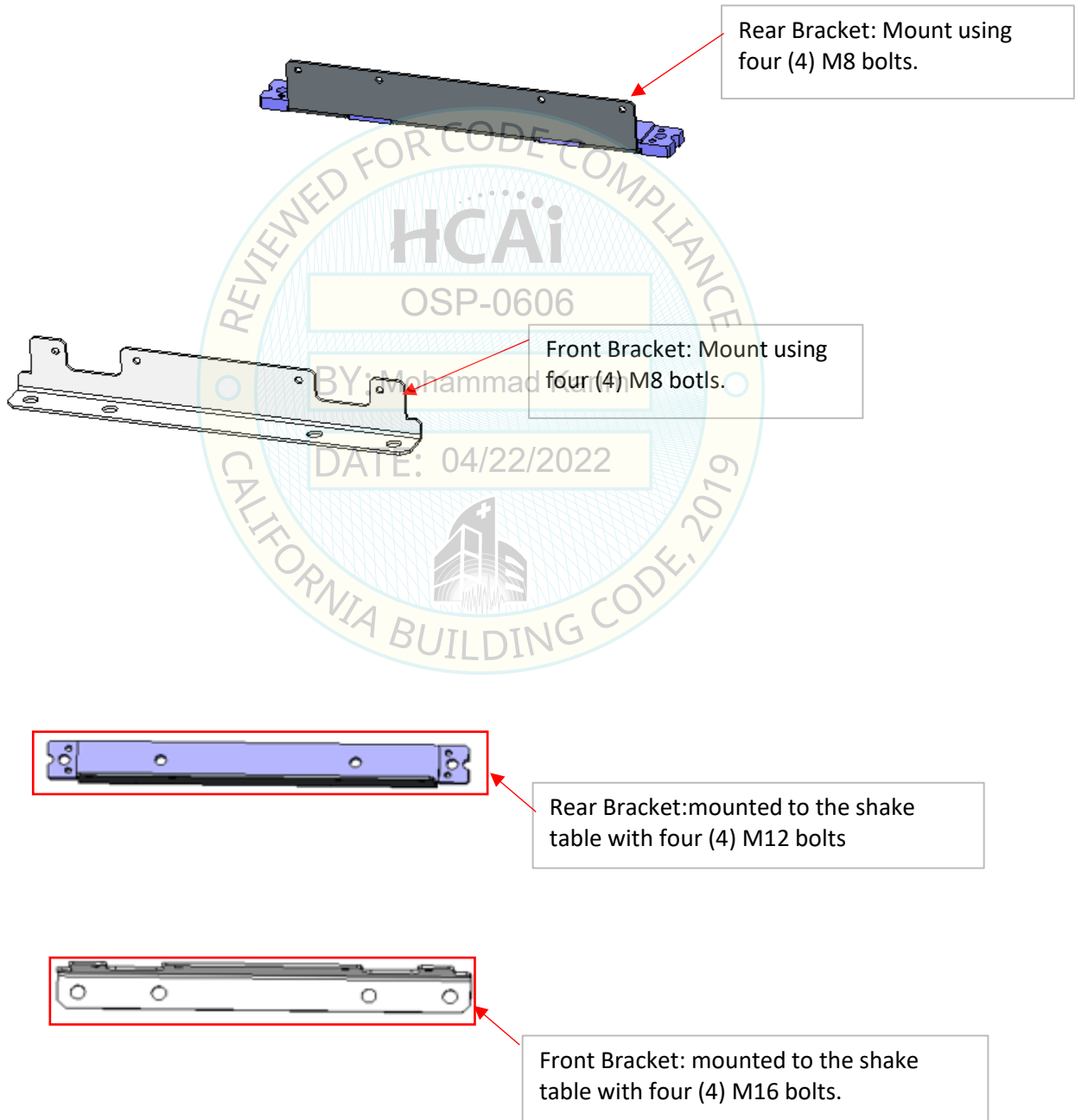
2000495-CR-001-R2



Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS150KD
Serial Number: N/A

UUT 6

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 7
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS150KD w/GVSBPOT150	
Serial Number: N/A	

Product Construction Summary:
150kW UPS w/ 150kW MBC with transformer
Carbon steel frame and panels

Options/Subcomponent Summary:
(3) 50kW Power Modules, Static Bypass switch 150kW rating, Seismic kit, J Frame Circuit Breaker, Controller Box, 150kW Alpha Module, 180kVA Transformer

UUT Properties

Weight ¹ (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width ¹	Height	Front-Back	Side-Side	Vertical
2,644	33.3	52.0	58.5	12.8	8.4	17.6

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	1.45	1.0	1.5	2.32	1.74	1.33	0.53
		2.00	0.0					

Test Mounting Details:



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

UPS - 642 lbs., 20.5" Wide
MBC - 2,002 lbs., 31.5" Wide

The UUT was rigid-base mounted using customer provided seismic kit (870-97772 and 870-31132). The seismic kit mounting details can be found on the following page.
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

2000495-CR-001-R2

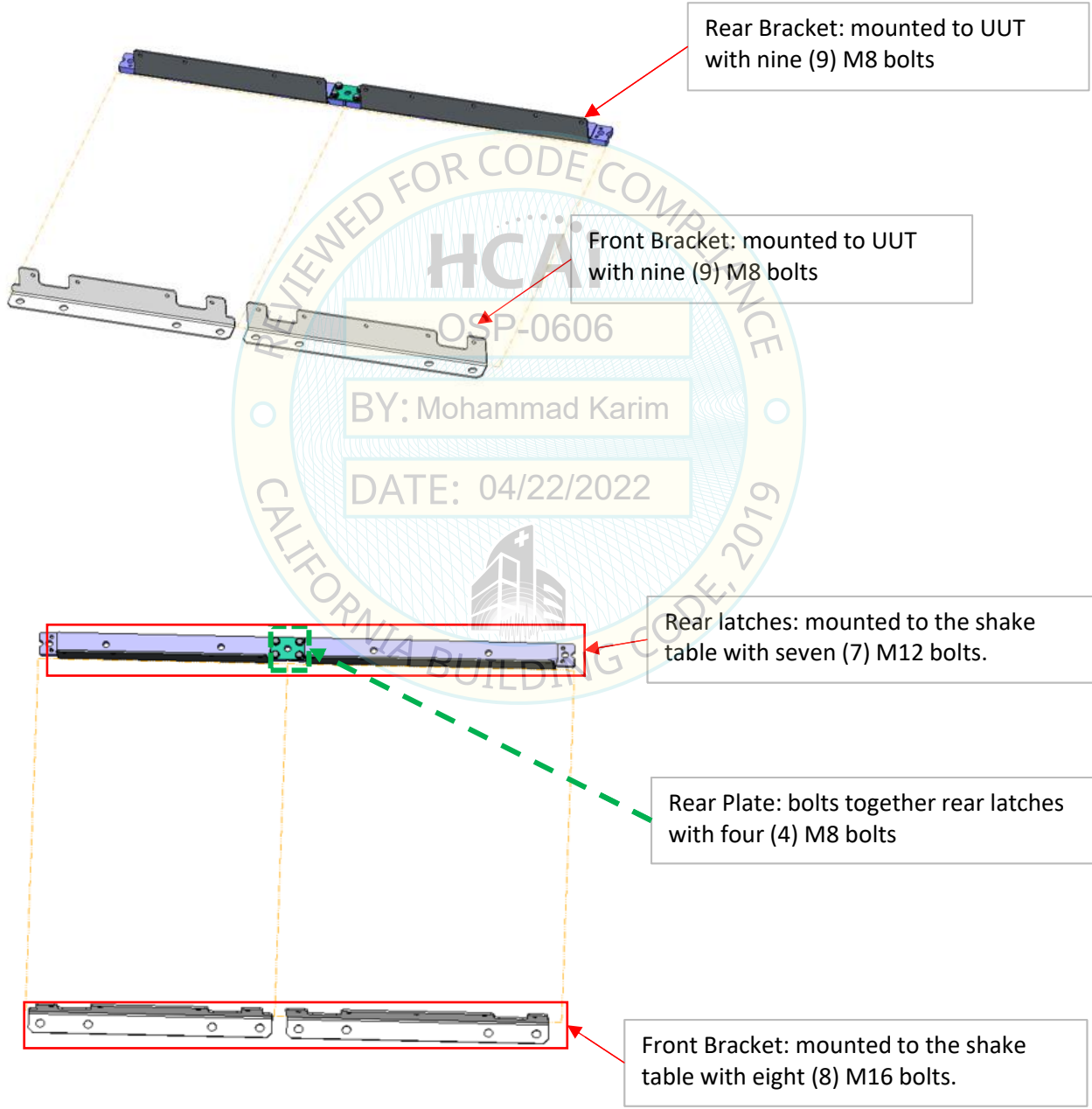


Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS150KD w/GVSBPOT150

Serial Number: N/A

UUT 7

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 8
Model Line: Galaxy VS Bravo 2/Alpha 2	
Model Number: GVSUPS100KB5D w/GVSBPOT100T Serial Number: N/A	

Product Construction Summary:
100kW UPS w/ 100kW MBC with transformer
Carbon steel frame and panels

Options/Subcomponent Summary:
(2) 50kW Power Modules, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Breaker, Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge.

UUT Properties

Weight ¹ (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width ¹	Height	Front-Back	Side-Side	Vertical
3,483	33.3	45.6	78.0	9.4	6.3	23.6

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	1.54	1.0	1.5	2.32	1.74	1.13	0.45
		1.69	0.0					

Test Mounting Details:



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

UPS - 1,719 lbs., 21.5" Wide
MBC - 1,764 lbs., 23.6" Wide

The UUT was rigid-base mounted using customer provided seismic kit (870-54790 and 870-53396). The seismic kit mounting details can be found on the following page.
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

2000495-CR-001-R2

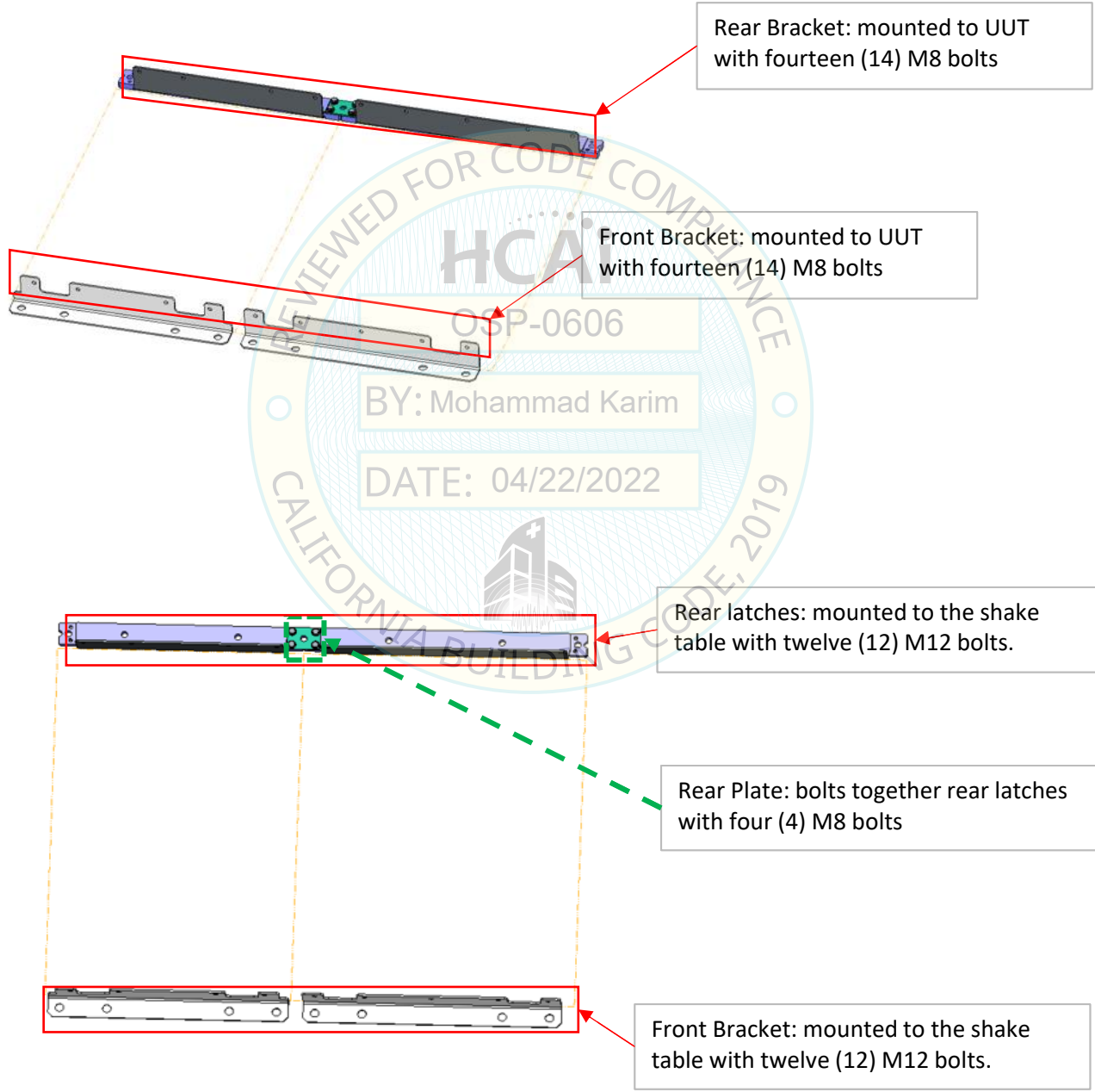


Manufacturer: Schneider Electric
Model Line: Galaxy VS Bravo 2/Alpha 2
Model Number: GVSUPS100KB5D w/GVSBPOT100T

Serial Number: N/A

UUT 8

Seismic Mounting Kit Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 9
Model Line: Galaxy VS	
Model Number: GVSUPS20KB2D Serial Number: N/A	

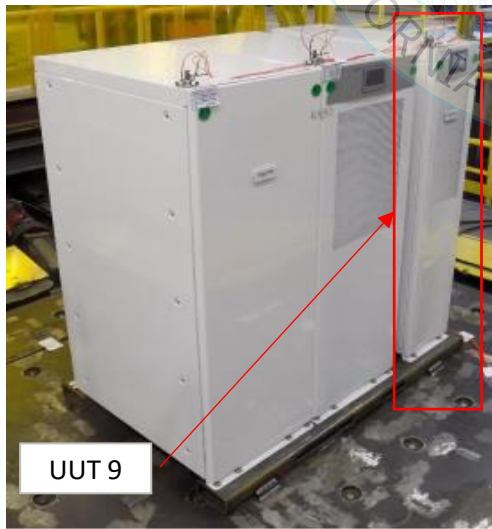
Product Construction Summary:
Galaxy VS Bravo 20kW UPS (Narrow)
1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:
Power Module (PN: 0G-PM20KD), Contactor (PN: 451-1167-Z), Module Agilis (PN: 0G-SBS20KD), PSU-Connection Box (PN: 0N-96782), Fuse Fast (PN: N330039), Control Box (PN: 0N-96783), Vario Switch (PN: 540-9254), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: Bp7-12), Air Filter Kit (PN: GVSOPT015)

UUT Properties						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
816	33.3	13.0	58.5	18.0	7.0	32.5

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	1.45	1.0	1.5	2.32	1.74	1.11	0.45	
		1.67	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT003). (6) M8 bolts and washers were used to mount the bracket to the UUT, and (4) M12 bolts were used to mount the UUT to the shake table.
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

2000495-CR-001-R2



Manufacturer: Schneider Electric

Model Line: Galaxy VS

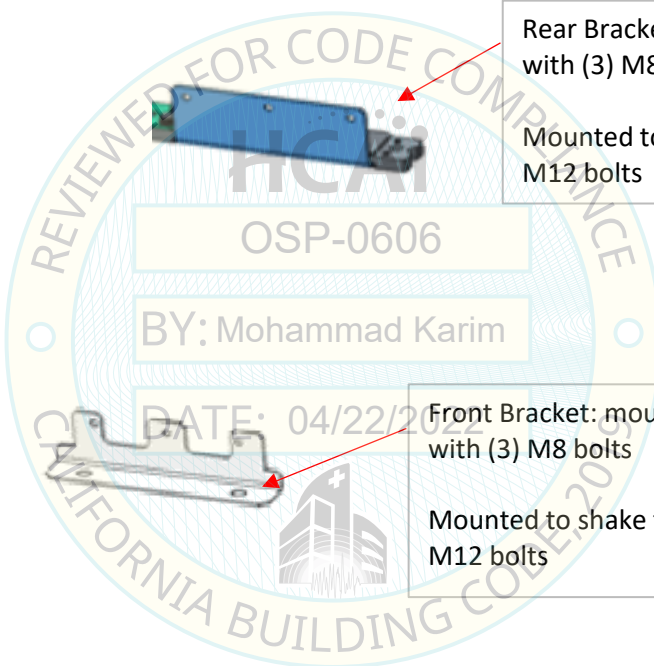
Model Number: GVSUPS20KB2D

Serial Number: N/A

UUT 9

Seismic Mounting Kit Details:

Part Number: GVSOPT003



Rear Bracket: mounted to UUT with (3) M8 bolts
Mounted to shake table with (2) M12 bolts

Front Bracket: mounted to UUT with (3) M8 bolts
Mounted to shake table with (2) M12 bolts

UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 10
Model Line: Galaxy VS	
Model Number: GVSUPS20KB4D & GVSMODBC6	
Serial Number: N/A	

Product Construction Summary:
Galaxy VS Bravo - 20kW UPS (Wide) w/ 1.5M ModBC
1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:
Power Module (PN: 0G-PM20KD), Contactor (PN: 451-1167-Z), Contactor (451-1240), Module Agilis (PN: 0G-SBS50KD), PSU-Connection Box (PN: 0N-96782), Fuse Fast (PN: N330039), Control Box (PN: 0N-96783), Vario Switch (PN: 540-9254), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: Bp7-12)

UUT Properties						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
3,275	33.3	41.0	58.5	14.0	9.5	3.5

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	1.45	1.0	1.5	2.32	1.74	1.11	0.45	
		1.67	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using (2) customer provided seismic kits (PN: GVSOPT002). (16) M8 bolts and washers were used to mount the brackets to the UUT, and (15) M12 bolts were used to mount the UUT to the shake table. 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

2000495-CR-001-R2



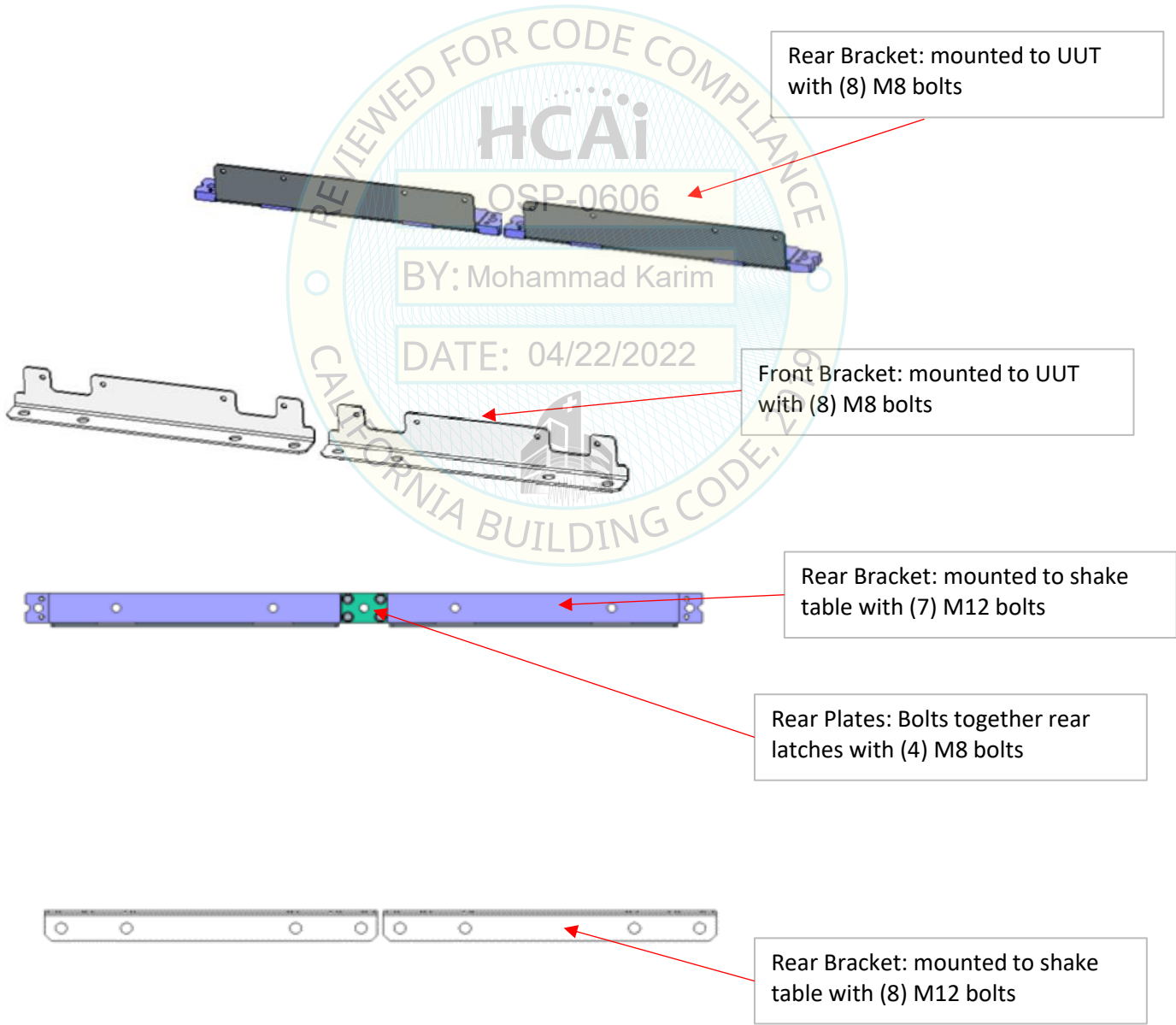
Manufacturer: Schneider Electric
Model Line: Galaxy VS
Model Number: GVSUPS20KB4D & GVSMODBC6

Serial Number: N/A

UUT 10

Seismic Mounting Kit Details:

Part Number: GVSOPT002 (2 pcs)



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 11
Model Line: Galaxy VS	
Model Number: GVSMODBC6 Serial Number: N/A	

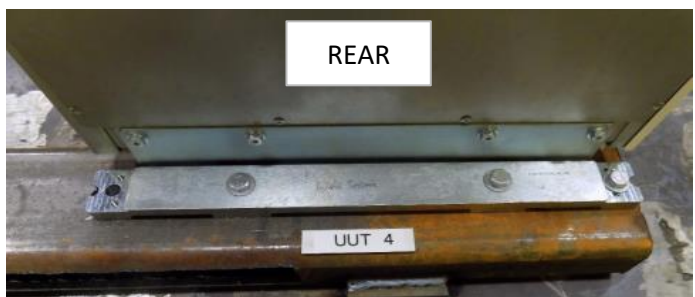
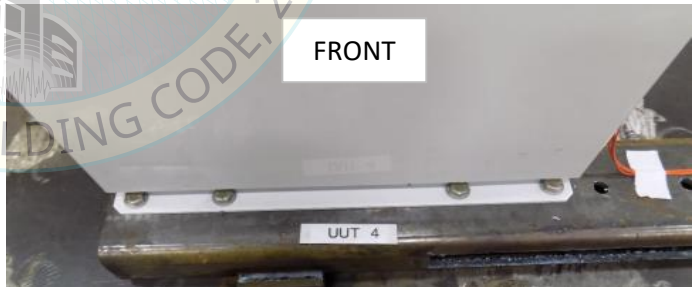
Product Construction Summary:
1.5M ModBC (Wide)
1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:
Fast Fuse (PN: 515-1069-Z), MCCB (PN: JDF36150), Battery Management Control Board (PN: 0N-87771), Fuse (PN: AJT150EI), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: BP7-12)

UUT Properties						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,763	33.3	20.5	58.5	14.0	9.5	32.5

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	1.50	1.0	1.5	2.40	1.80	1.09	0.44	
		1.64	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT002). (8) M8 bolts and washers were used to mount the bracket to the UUT, and (8) M12 bolts were used to mount the UUT to the shake table. 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

2000495-CR-001-R2



Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSMODBC6

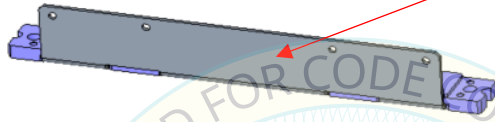
Serial Number: N/A

UUT 11

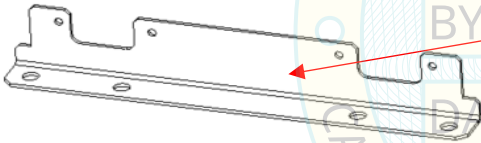
Seismic Mounting Kit Details:

Part Number: GVSOPT002

Rear Bracket: mounted to UUT with (4) M8 bolts



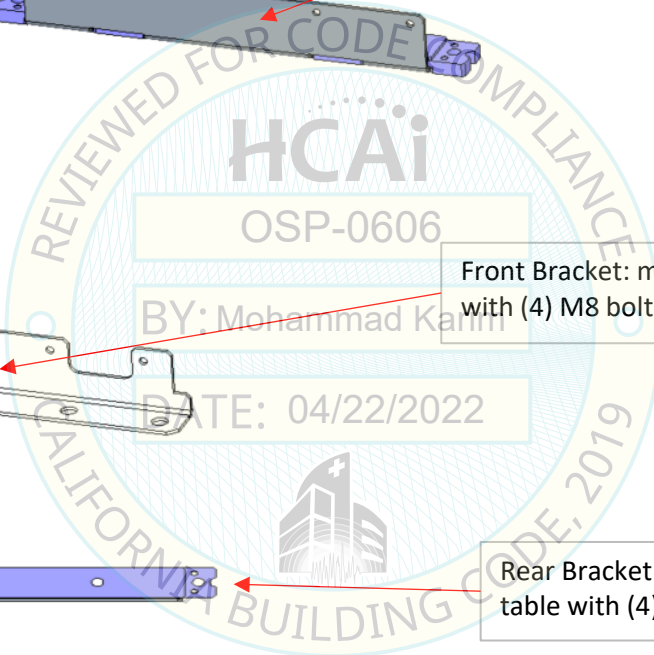
Front Bracket: mounted to UUT with (4) M8 bolts



Rear Bracket: mounted to the shake table with (4) M12 bolts.



Front Bracket: mounted to the shake table with (4) M12 bolts.



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 12
Model Line: Galaxy VS	
Model Number: GVSUPS100KB5D	
Serial Number: N/A	

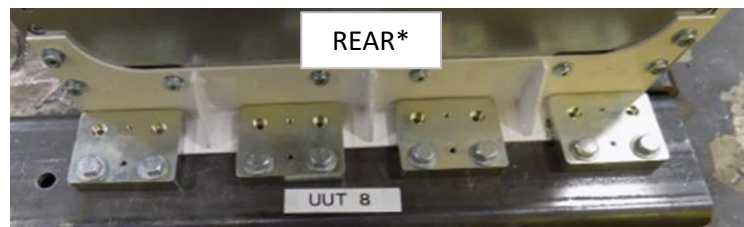
Product Construction Summary:
Galaxy VS Bravo 100kW UPS (Tall)
1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:
Power Module (PN: 0G-PM50KD), Contactor (PN: LC1D65A6BDS304), Contactor (PN: LC1F150BD), Module Agilis (PN: 0G-SBS100KD), Switch (PN: 540-9253), PSU-Connection Box (PN: 0N-96782), Main Fuse (PN: TME00373), Bypass Fuse (PN: TME00333), Controller Box (PN: 0N-96783), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: BP7-12)

UUT Properties						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,238	33.3	22.0	78.0	8.5	7.5	26.0

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	1.54	1.0	1.5	2.46	1.85	1.13	0.45	
		1.69	0.0						

Test Mounting Details:



***Mounting brackets used with UUT14 required for installation**

The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT016). (16) M8 bolts and (2) M6 bolts and washers were used to mount the bracket to the UUT. (14) M12 bolts were used to mount the UUT to the shake table. 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

2000495-CR-001-R2



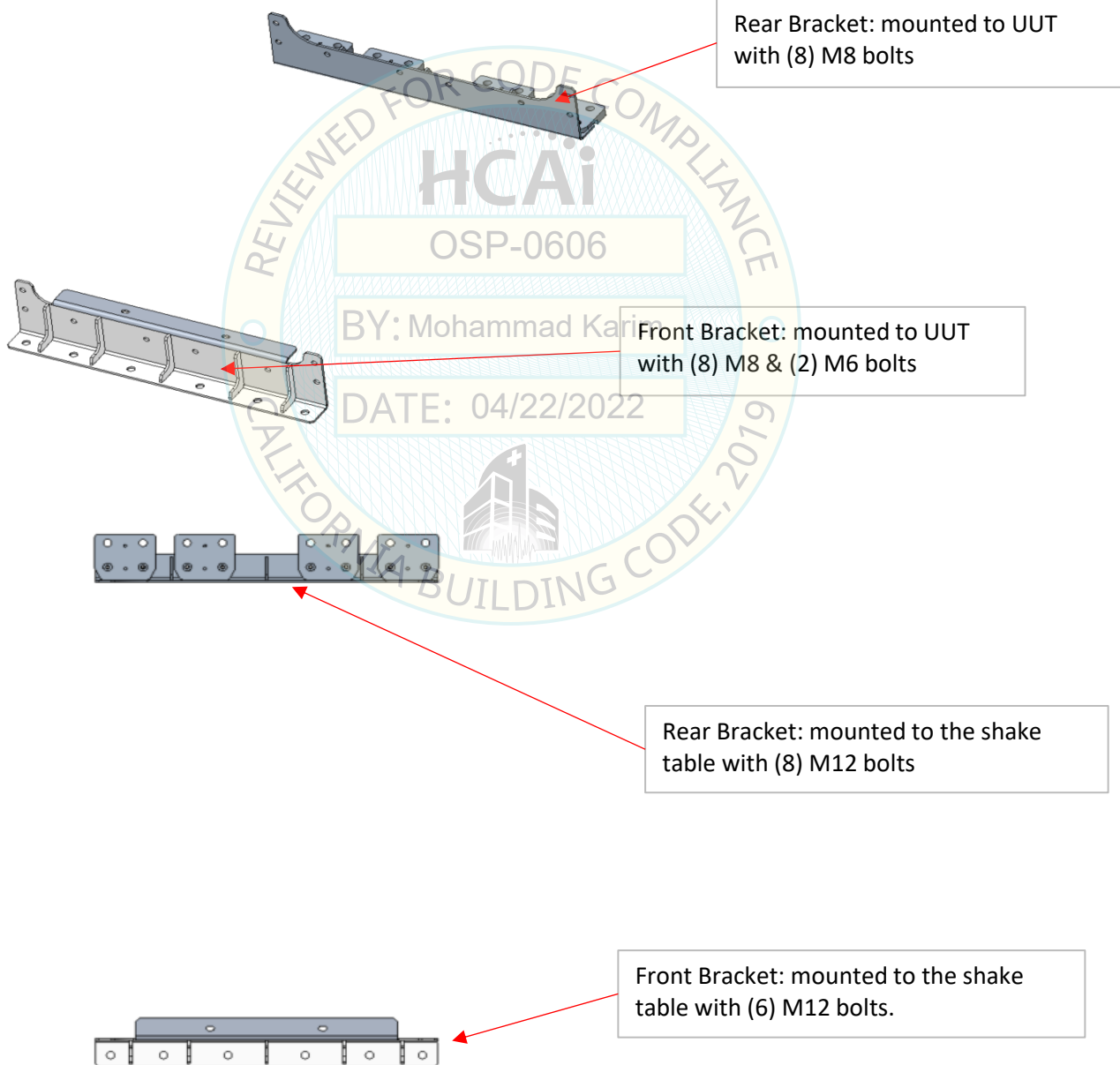
Manufacturer: Schneider Electric
Model Line: Galaxy VS
Model Number: GVSUPS100KB5D

Serial Number: N/A

UUT 12

Seismic Mounting Kit Details:

Part Number: GVSOPT016



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 13*
Model Line: Galaxy VS	
Model Number: GVSUPS100KB5D & GVSMODBC9	
Serial Number: N/A	

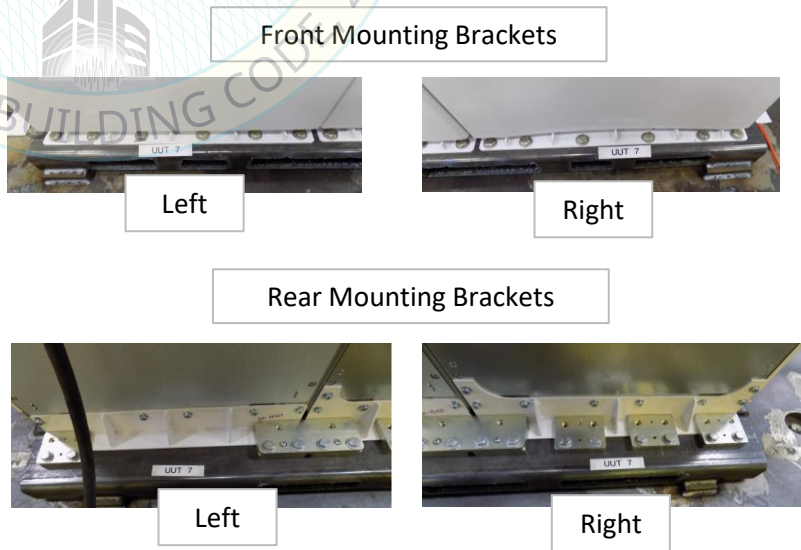
Product Construction Summary:
Galaxy VS Bravo - 100kW UPS (Tall) w/ 2.0M ModBC; 1.5mm carbon steel frame and 1mm carbon steel panels.
*UUT13 consisted of UUT12 + UUT14 joined together.

Options/Subcomponent Summary:
Power Module (PN: 0G-PM50KD), Contactor (PN: LC1D65A6BDS304), Contactor (PN: LC1F150BD), Module Agilis (PN: 0G-SBS100KD), Switch (PN: 540-9253), PSU-Connection Box (PN: 0N-96782), Main Fuse (PN: TME00373), Bypass Fuse (PN: TME00333), Controller Box (PN: 0N-96783), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: BP7-12), Battery Management Control Board (PN: 0N-87771), Fast Fuse (PN: 515-1069-Z), MCCB (PN: JDF36250)

UUT Properties						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
5,103	33.3	44.0	78.0	8.5	7.5	26.0

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	1.43	1.0	1.5	2.28	1.72	1.11	0.44	
		1.66	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using (2) customer provided seismic kits (PN:GVSOPT016). (30) M8 bolts and washers were used to mount the brackets to the UUT, and (28) M12 bolts were used to mount the UUT to the shake table. 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

2000495-CR-001-R2



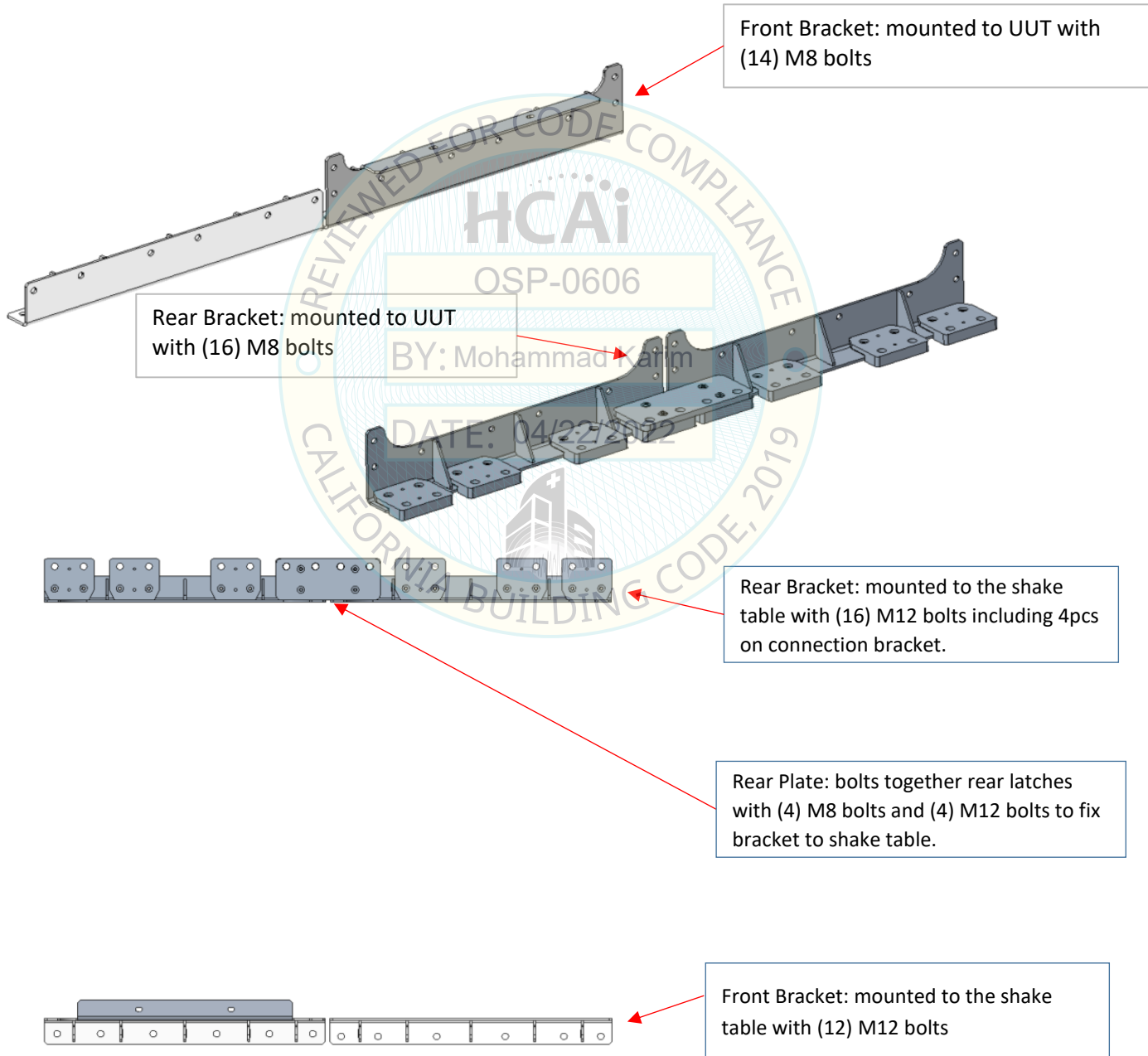
Manufacturer: Schneider Electric
Model Line: Galaxy VS
Model Number: GVSUPS100KB5D & GVSMODBC9

Serial Number: N/A

UUT 13*

Seismic Mounting Kit Details:

Part Number: GVSOPT016 (2 pcs)



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 14
Model Line: Galaxy VS	
Model Number: GVSMODBC9 Serial Number: N/A	

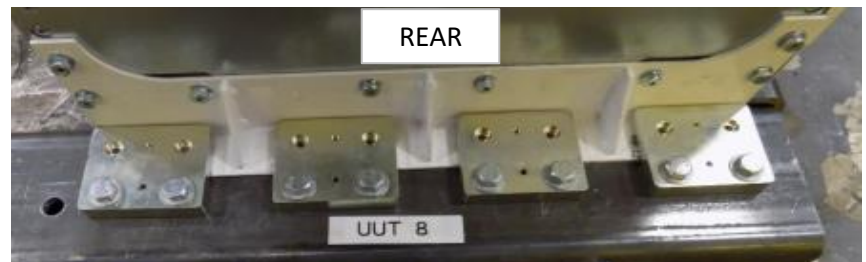
Product Construction Summary:
2.0M ModBC (Tall)
1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:
Fast Fuse (PN: 515-1069-Z), MCCB (PN: JDF36250), Battery Management Control Board (PN: 0N-87771), Fuse (PN: AJT300EI), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: BP7-12)

UUT Properties						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,865	33.3	22.0	78.0	8.5	7.5	28.0

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	1.63	1.0	1.5	2.61	1.96	1.09	0.44	
		1.64	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT016). (16) M8 bolts and (2) M6 and washers were used to mount the bracket to the UUT, and (14) M12 bolts were used to mount the UUT to the shake table. 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

2000495-CR-001-R2



Manufacturer: Schneider Electric

Model Line: Galaxy VS

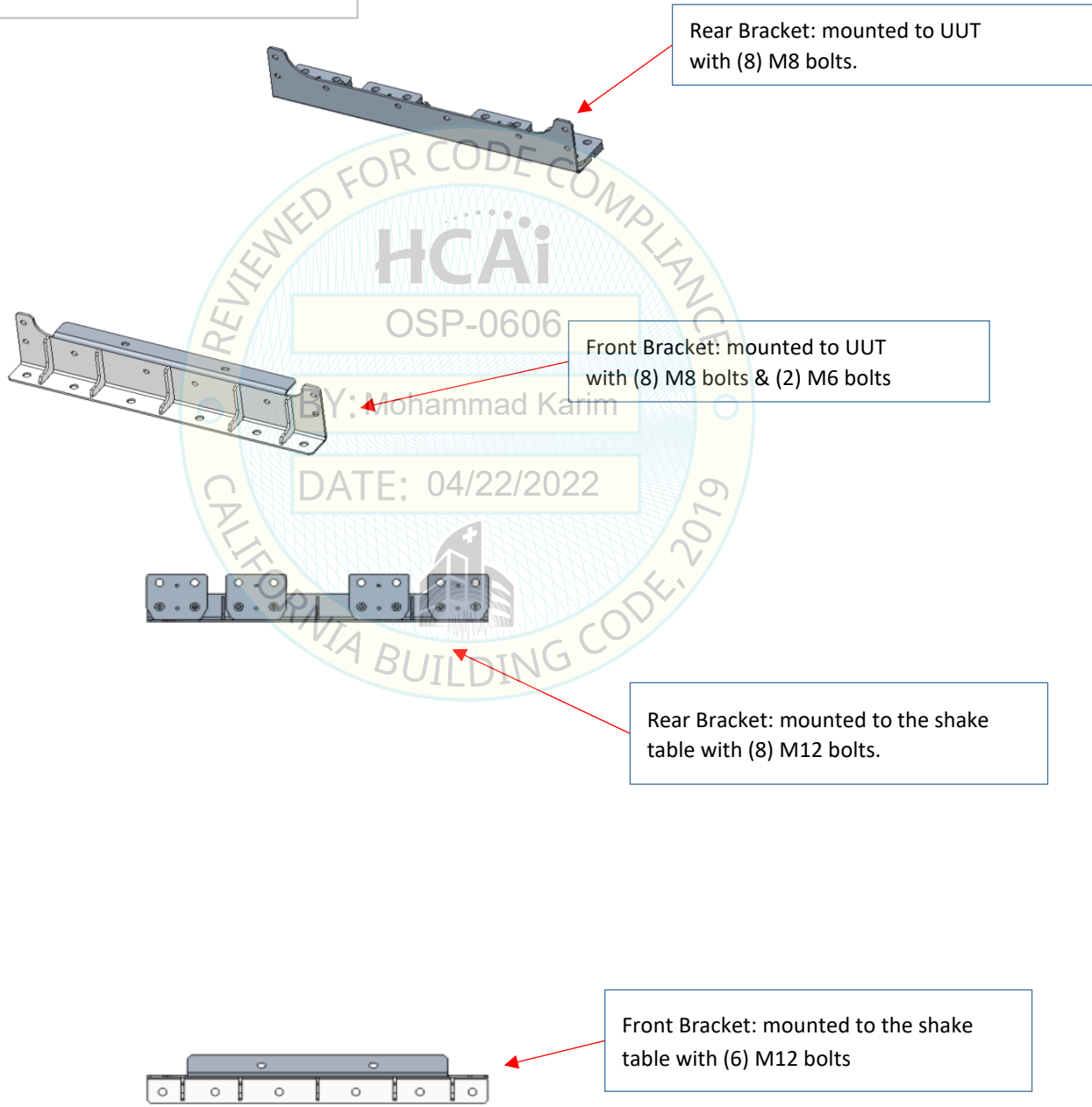
Model Number: GVSMODBC9

Serial Number: N/A

UUT 14

Seismic Mounting Kit Details:

Part Number: GVSOPT016



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 15
Model Line: Galaxy VS	
Model Number: GVSBSU60G-WP	
Serial Number: N/A	

Product Construction Summary:
Maintenance Bypass Panel 20KW, Wall mounted
1.5mm carbon steel enclosure

Options/Subcomponent Summary:
MCCB (PN: HUF36150CU31Z), MCCB (BJF46125), Kirk Key (PN:GVSOPT004)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
62	9.0	24.0	26.0	N/A	N/A	N/A

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	1.33	1.0	1.5	2.13	1.60	1.07	0.44
		1.63	0.0					

Test Mounting Details:



The UUT was wall mounted rigid using four (4) M10 8.8 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



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 16
Model Line: Galaxy VS	
Model Number: GVSbpsu100G-WP Serial Number: N/A	

Product Construction Summary:
Maintenance Bypass Panel 100KW, Wall mounted
1.5mm carbon steel enclosure

Options/Subcomponent Summary:
MCCB (PN: JJF36250CU31X), MCCB (PN: LIF46250CU31X), Kirk Key (PN:GVSOPT004)

<i>UUT Properties</i>						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
192	11.0	39.0	33.0	N/A	N/A	N/A

<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	1.33	1.0	1.5	2.13	1.60	1.07	0.44	
		1.63	0.0						

Test Mounting Details:



The UUT was wall mounted rigid using four (4) M10 8.8 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



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 17
Model Line: Galaxy VS	
Model Number: GVSUPS50KB4D w/GVSBPOT50B	
Serial Number: QS1910121853/BD1913004116	

Product Construction Summary:
Galaxy VS Bravo 50kW UPS w/50kW MBC
1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:
Power Module (PN: 0G-PM50KD), I/O Assembly (PN: ON-96740), Circuit Breaker (PN: HJF36150CU31X, JJF36250CU31X, JDF36250), Power Supply (PN: PN: 0N-96782, 0N-96968, 0N-96783), Static Bypass switch (PN: 0G-SBS50KD), Transformer (PN: TP-0060-0547), Seismic kit (PN: GVSOPT002, GVSOPT008), Kirk Key Kit (PN: GVSOPT007), Cable Kit (PN: GVSOPT012, GVSOPT013)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,546	33.0	44.1	58.5	11.3	9.2	24.1

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	1.45	1.0	1.5	2.32	1.74	1.07	0.43
		1.60	0.0					

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. 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

2000495-CR-001-R2



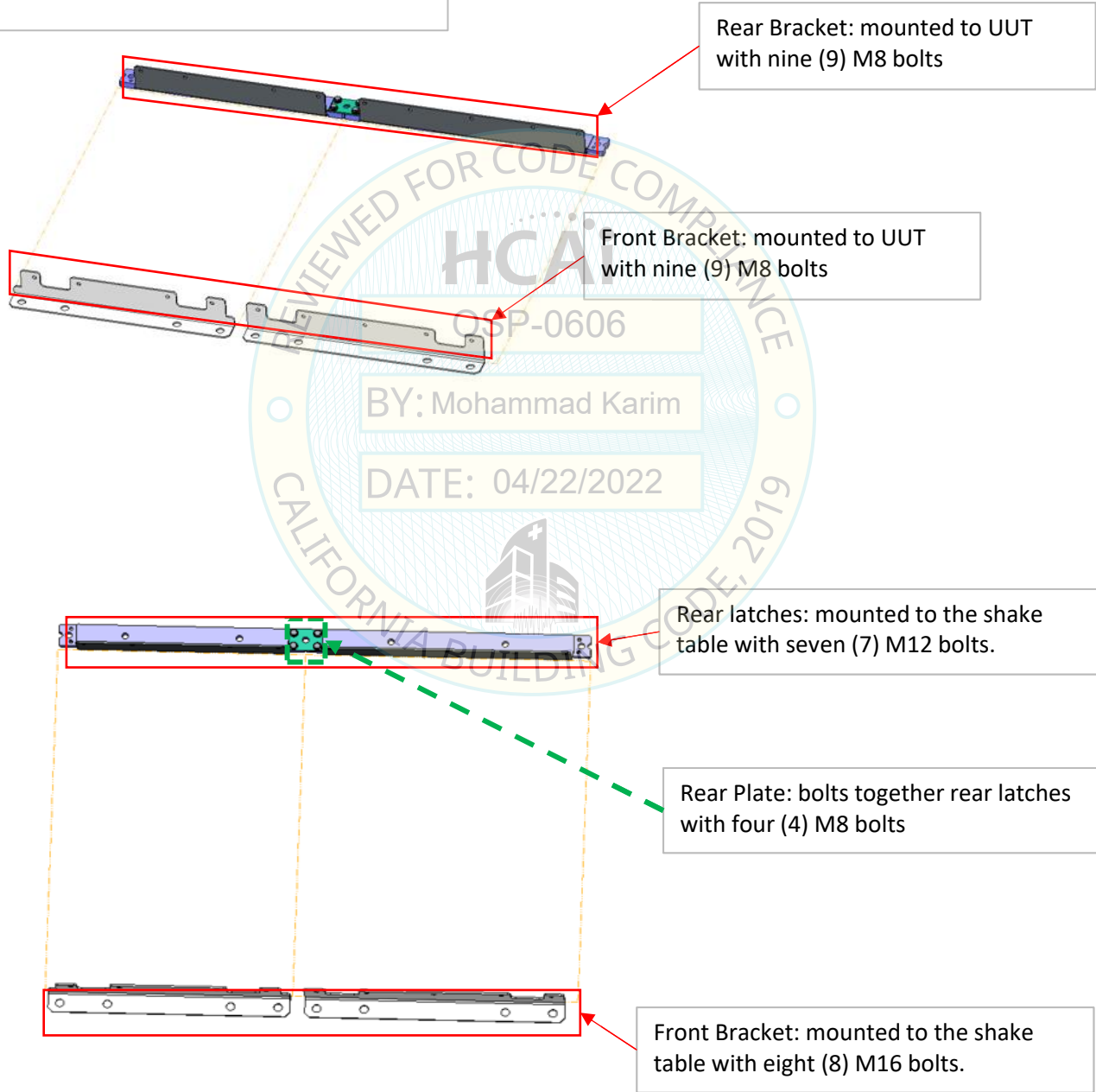
Manufacturer: Schneider Electric
Model Line: Galaxy VS
Model Number: GVSUPS50KB4D w/GVSBPOT50B

Serial Number: QS1910121853/BD1913004116

UUT 17

Seismic Mounting Kit Details:

Part Numbers: GVSOPT002 and GVSOPT008



UNIT UNDER TEST (UUT) SUMMARY SHEET



2000495-CR-001-R2

Manufacturer: Schneider Electric	UUT 18
Model Line: Galaxy VS	
Model Number: GVSUPS20K100B3H	
Serial Number: QS2110180125	

Product Construction Summary:
Galaxy VS Bravo 20kW UPS (Tall)
1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:
Power Module (0G-PM50KD), Contactor (LC1D65A6BDS304), Contactor (LC1F150BD), Module Agilis (0G-SBS100KD), Switch (540-9253), PSU-Connection Box (PN: 0N-96782), Main Fuse (TME00373), Bypass Fuse (TME00333), Controller Box (0N-96783), BTU Battery (HRL1234WF2), BTU Battery (HR1234WF2), BTU Battery (GP1272), BTU Battery (CP1290 FR), BTU Battery (CP1270), BTU Battery (UP-PW1245P1), BTU Battery (PXL12090), BTU Battery (BP7-12), BTU Battery(XTV1285 F2FR), BTU Battery(UP-PW1245), Breaker (HDL36100), Switch (LV429629), Power Supply (ABLP1A24045), Transformer (432-0376)

UUT Properties						
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,933	33.3	22.0	78.0	8.5	4.0	18.8

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	1.54	1.0	1.5	2.46	1.85	1.13	0.45	
		1.69	0.0						

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT016). (12) M8 bolts and (2) M6 bolts and washers were used to mount the bracket to the UUT. (14) M12 bolts were used to mount the UUT to the shake table. 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

2000495-CR-001-R2



Manufacturer: Schneider Electric
Model Line: Galaxy VS
Model Number: GVSUPS20K100B3H

Serial Number: QS2110180125

UUT 18

Seismic Mounting Kit Details:

Part Number: GVSOPT016

