

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

ADDUCATION FOR HEAT SPECIAL SEISMIC

OFFICE USE ONLY

CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0688
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Rolls-Royce Solutions America Inc.	
Manufacturer's Technical Representative: Ben Stratton	
Mailing Address: 100 Power Drive, Mankato, MN 56001	
Telephone: (507) 625-7973 Email: Ben.Stratton@ps.r	rolls-royce.com
FORCODECOA	
Product Information	B,
Product Name: Emergency and Standby Power Systems	1 The second sec
Product Type: Generator Control Panels	12
Product Model Number: XS00E560.00037, XS00E560.00036	m
General Description: Unit consists of industrial PC and complimentary inputer enabling it to operate as a complete system to displa	
Mounting Description: Several – See UUT Sheets, Flexible wall mounted, ri manufacturer provided stand)	igid wall mounted & rigid base mounted (using
Tested Seismic Enhancements: None	10
Applicant Information	OF.
Applicant Company Name: VMC Group	
Contact Person: John Giuliano	
Mailing Address: Main Street, Bloomingdale, NJ 07403	
Telephone: (973) 838-1780 Email: john.giuliano@the	vmcgroup.com
Title: President	





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: THE VMC GROUP
Name: Kenneth Tarlow California License Number: S2851
Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814
Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE COL
Testing Laboratory
Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)
Contact Person: Kelly Laplace
Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431
Telephone: (775) 358-5085
O DATE: 04/12/2022
Plus
DATE: 04/12/2022

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0688



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Seismic Parameters

Desi	gn Basis of Equipment or Components	(Fp/Wp) = 1.80	Rigid Mounted & 5.6	63 Flexible	e Wall Mounted
	SDS (Design spectral response accele	eration at short per	riod, g) = 2.5		
	ap (Amplification factor) =	1.0 Rigid Mounte	d & 2.5 Flexible Wal	I Mounted	
	Rp (Response modification factor) =	2.5 Rigid Mounte	d & 2.0 Flexible Wal	I Mounted	
	Ω_0 (System overstrength factor) =	2.0			
	Ip (Importance factor) =	1.5			
	z/h (Height ratio factor) =	1			
	Natural frequencies (Hz) =	See Attachment			
	Overall dimensions and weight =	See Attachment	ODE COMP		
HCA	I Approval (For Office Use Only)	Approval Expir	es on 04/12/2028	Y,	
Date	: 4/12/2022	OSF	2-0688	G	
Nam	e: Mohammad Karim			Title:	Supervisor, Health Facilities
Spec	ial Seismic Certification Valid Up to: St	os (g) = 2.5	nmad Karim	z/h =	1
Cond	ition of Approval (if applicable):	DATE: 04	1/12/2022	6	
		PRNIA BUI	DING CODY	1023	

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	Devt		Dime	ensions	[in]	Max.				
Model	Part Number	MFR	Height	Depth	Width	Weight [Ib]	Mounting	S _{DS}	z/h	UUT
Master	XS00E560.00037	Rolls-	37	11	24	130	Rigid/Flexible Wall Mounted	2.5	1	Extrapolated
Control Panel	XS00E560.00036	Royce Solutions America	37	11	24	140	Rigid Wall Mounted	2.5	1	UUT1A
rallei	X300E300.00030	Inc.	57		24	140	Flexible Wall Mounted	2.5	1	UUT1B

Table 1- Certified Product Table

Extrapolated unit is a de-populated option with same subcomponents inside, which were present on the tested UUT.



Table 2 - Enclosures

Part Number	MFR	Description	Weight	Qty	Dim	ensions	[in]	UUT
Falt Nulliber		Description	[lb]	QLY	Height	Depth	Width	001
X00E30900064	Rolls- Royce Solutions America Inc.	Enclosure Assembly, NEMA 1	89.87	1	37	11	24	UUT-1A, UUT-1B

Table 3 - Controllers

Part Number	MFR	Description	Weight [lb]	Qty	UUT
X00E30900075	B&R	Control Panel	9.90	1	UUT-1A, UUT-1B

Table 4 - Switches / Modules, etc.

Part Number	MFR	Description	Weight [lb]	Qty	UUT
SUA86666	IDEC	Switch E-Stop Maintained 4 NC YE	0.176	1	
SUA105563	Mallory Sonalert	Alarm Buzzer 16-28VDC STD Panel	0.099	1	
X00E30900099	IDEC	Pushbutton Switch	0.506	18	
X52830900137	Phoenix	Industrial Phoenix Ethernet Switch	0.836	8	
SUA106429	Eaton	BY: Mohammad Karim 10A DIN Rail Mounted Circuit Breaker	0.308	2	
X52830900154	Eaton	6A DIN Rail Mounted Circuit Breaker	0.308	1	UUT-1A, UUT-1B
SUA105009	B&R	Bus Controller (BC) Module	0.264	1	
SUA105010	B&R	Bus Controller (BC) Module Base	0.220	2	
SUA105011	B&R	(BC) Power Module	0.092	1	
SUA105013	B&R	Digital Input Module	0.092	8	
SUA105015	B&R	Digital Input/Output Module Power	0.110	16	
SUA105012	B&R	16-PIN X20 Input Term Block	0.110	8	
X52830900155	B&R	Digital Output Module	0.092	8	
SUA105016	B&R	12-PIN X20 24VDC Term Block	0.110	11	
X52830900156	B&R	Expandable Power Module	0.092	2	
X52830900157	B&R	Expandable Power Module Base	0.110	2	
X52830900158	B&R	X20 Locking Plate, Left	0.022	1	
X52830900159	B&R	X20 Locking Plate, Right	0.022	1	
X52830900135	Phoenix	Trio Diode	1.144	1	
X52830900134	Phoenix	Power Supply Unit	2.640	1	
X52830900136	Phoenix	UPS	2.332	1	
X52830900104	Phoenix	Term Block, PT 4-Quattro	0.030	34	
X52830900163	Phoenix	Term Block, Quattro End Cover	0.004	2	
SUA93571	Phoenix	Term Block, Markers Blank	0.033	202	
X52830900133	Phoenix	Term Block, PE Quattro	0.033	3	
SUA93502 04/12/2022	Phoenix	Term Block, Jumper	0.198	4	Page 5 of 0

Part Number	MFR	Description	Weight [lb]	Qty	UUT
SUA93505	Phoenix	Terminal Strip End Block	0.033	10	
SUA100392	Phoenix	Term Block, Strip Marker Label	0.003	4	
X52830900160	Phoenix	24VDC Relay	0.013	24	
X52830900161	Phoenix	Relay Base	0.070	24	
SUA106165	Phoenix	Continuous Plug-in Bridge for Relays	0.092	1	UUT-1A, UUT-1B
X52822500032	Phoenix	Relay Marker	0.006	24	001-1A, 001-1B
X52830900085	Phoenix	Term Block, ST 2.5-3L	0.040	55	
X52830900093	Phoenix	Marker Holder ST 2.5-3L	0.002	55	
X52830900088	Phoenix	Term Block, End Cover ST 2.5-3L	0.012	2	
X52830900162	Phoenix	Relay, Separating Plate	0.027	1	





UNIT UNDER TEST (UUT)

Summary Sheet

UUT-1A

)	Mo	odel Numbe	r		N	lanufacture	ər
Master Control F	Panel Maste	er Control Pane	el XS00E56	0.00036 (M	CP2.0)	Rolls-Royce	e Solutions A	America
	ł	Product Co	nstruction	Summary				
GA Carbon Steel En	closure with subcompor	nents						
		Options / Sul	-		-			
alert and Phoenix a	America Inc. Enclosure, nd Eaton and B&R.	FOR				nactured by f		allory
			T Propertie	s				
Weight	4	Dimensio			5	Lowes	st Nat. Freq	. [Hz]
[lbs]	Length	Wid	th	He	ight	F-B	S-S	v
140	24	019		0	37	16	18.5	25
	UUT	Highest Pass	ed Seismic	Run Infor	mation			
			1					
Building Code	Test <mark>Criter</mark> ia	BV S _{ps/loh} á	aminad	Karlm	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIC}
CBC 2019	Test Criteria ICC-ES AC156 e wall fixture via unistru s. Wall fixture is rigidly r	2.5 Test M t with (4) 3/8"	1.00 Iounting De dia. grade 8	1.5 etails	3.2	3	1.68	A _{RIG} 0.6 Date

All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT)

Summary Sheet

UUT-1B

Model Line		Model Numbe	r		Ν	Manufacture	r
Master Control P	anel Master	r Control Panel XS00E560).00036 (MC	CP2.0)	Rolls-Royce	e Solutions A	merica l
	I	Product Construction	Summary		ļ		
GA Carbon Steel En	closure with subcompon	ents					
		Options / Subcomponen B&R Control Panel, Switch	-		uffer a fer una al la vel		-11
onalert and Phoenix a	lu Laton and Bark.	FORCODE	COA				
	- AF	UUT Propertie	s		1 -		
Weight		Dimensions [in]				st Nat. Freq.	
-		18/: -141-			F-B	S-S	V
[lbs]	Length	Width	Hei		3.5	3.5	17 5
-	24	OSP-068	<mark>8</mark> 3 [.]	7 0	3.5	3.5	17.5
[Ibs] 140		O1 P-068 Highest Passed Seismic	8 3 [.] Run Inform	7 nation	I		
[Ibs] 140 Building Code	24 UUT F Test Criteria	O13 P-068 Highest Passed Seismic	83 [.] Run Inforn Kar ^l Pm	7 nation A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG} .
[Ibs] 140 Building Code CBC 2019 UT was mounted to the	24 UUT F Test Criteria ICC-ES AC156 e wall fixture via unistrut	O1 P-068 Highest Passed Seismic	3 Run Inform 1.5 tails bolts, wash	7 nation A _{FLX-H} 3.2 ners, 3 ^m x 3"	А _{RIG-H} 3 x 3/8" low са	A _{FLX-V} 1.68 arbon steel p	A _{RIG} . 0.68 late

All units were filled with contents and maintained structural integrity and functionality after AC-156 test.