

APPLICATION FOR OSHPD SPECIAL SEISMIC	OFFICE	E USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP – 0202 – 10
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🗌 New 🛛 Renewal		
Manufacturer Information		
Manufacturer: STERIS Corp.		
Manufacturer's Technical Representative: Jerime Pichler		
Mailing Address: _ 5960 Heisley Road, Mentor, OH, 44060		
Telephone: 440-205-7664 Email: Jerime	<u>_Pichler@steris.com</u>	
Product Information		
Product Name:		
Product Type: Lighting Control Panel		
Product Model Number: RPC (List all unique product identification numbers and/or part numbers) General Description: Power and controls for the Harmony VLED surlightheads, with or without video. Each panel may include up to three constructed of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with UL 50, which are mouther than the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance with under the surrouted of carbon steel in accordance	power supplies. Enclo	sures are NEMA Type 1,
Mounting Description: Rigidly mounted to wall.	nica to a capporting no	
Applicant Information		
Applicant Company Name: ISAT Total Support		
Contact Person: _ William V Joerger		
Mailing Address: 1020 Crews Road, Suite Q, Matthews, NC 20105		
Telephone: 510-714-0216 Email: wvjoer	ger@isatsb.com	
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016. Signature of Applicant:	C C	opment review fees in e: <u>14 March, 2017</u>
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSMORIA TO THE INFORMATION Environments that Meet California's Diverse and Dynamic Needs"	MAM	PagOotSHPE

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)										
Company Name: ISAT										
Name: William V Joerger California License Number: SE 4545										
Mailing Address: 1020 Crews Road, Suite Q, Matthews, NC 20105										
Felephone: 510-714-0216 Email: wvjoerger@isatsb.com										
Supports and Attachments Preapproval										
Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)										
Supports and attachments are not preapproved										
Certification Method										
 Testing in accordance with: ICC-ES AC156 Other (Please Specify):										
Testing Laboratory										
Company Name: Environmental Testing Laboratory, Inc.										
Contact Name: Brady Richard										
Mailing Address:11034 Indian Trail, Dallas, TX 75229-3513										
Telephone: 972-247-9657 Email: <u>brady@etIdallas.com</u>										

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

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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: 🖂 Yes 🔲 No
Design Basis of Equipment or Components (Fp/Wp) = <u>1.95</u>
S_{DS} (Design spectral response acceleration at short period, g) = 2.60
a_{P} (In-structure equipment or component amplification factor) = <u>2.5</u>
R_p (Equipment or component response modification factor) = <u>6.0</u>
Ω_0 (System overstrength factor) = 2.0
I_p (Importance factor) = 1.5
z/h (Height factor ratio) = <u>1.0</u>
Equipment or Component Natural Frequencies (Hz) = <u>N/A</u>
Overall dimensions and weight (or range thereof) = See attachments
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: 🗌 Yes 🛛 No
Design Basis of Equipment or Components (V/W) =
S _{DS} (Design spectral response acceleration at short period, g) =
S _{D1} (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) = 1.0
Ω_0 (System overstrength factor) = 1.0
C _d (Deflection amplification factor) =
I_p (Importance factor) = 1.5
Height to Center of Gravity above base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2015: 🛛 Yes 🖾 No
List of Attachments Supporting Special Seismic Certification
 ☑ Test Report(s) ☑ Drawings ☑ Calculations ☑ Manufacturer's Catalog ☑ Other(s) (Please Specify): <u>Attachment 1 – RPC Comparison</u>
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
Signature: Date: 3/29/2017
Print Name: M. R. Karim Title: SHFR
Special Seismic Certification Valid Up to : $S_{DS}(g) = 2.60$ $z/h = 1.0$
Condition of Approval (if applicable):
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
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STERIS CORPORATION

ATTACHMENT 1: CERTIFIED COMPONENTS

SEISMIC COMPLIANCE REPORT

TABLE 1

MANUFAC	TURER:	STERIS CORPORATION										
PRODUCT FAMILY: RPC (REMOTE PANEL CONTROL)												
MODEL NU	IMRED		DI	MENSIONS	(in)	MAX. WT.	DESCRIPTION / NOTES	BASIS				
			DEPTH	WIDTH	HEIGHT	(lb)	DESCRIPTION / NOTES	DAGIO				
RPC (Remote	e Panel Co	ontrol)										
RPC			7	20	20	62		UUT 1,2				
MOUNTING:	Rigid wa	I mounted.				SEISMIC LEVEL	$S_{DS} = 2.6g$ for z/h = 1	l _P = 1.5				
NOTES: Product Construction: NEMA 1 carbon steel enclosure. Options/Subcomponents: Enclosures may contain any combination of subcomponents listed in Table 2 to create a complete controller.												

TABLE 2 - SUBCOMPONENTS

PRODUCT	FAMILY:	RPC (RE	MOTE PANE		DL)						
	MDED		DIN	MENSIONS	(in)	MAX. WT.		DACIC			
MODEL NU	MBER		DEPTH	WIDTH	HEIGHT	(lb)	DESCRIPTION / NOTES	BASIS			
Hammond Ma	anufacturi	ng - Enclos	sure								
N1A20207			7	20	20		Carbon steel	UUT 1,2			
Conversion D	evices In	c Power S	Supply	•	•			•			
SMD275BBS							QTY=3 tested in each UUT	UUT 1,2			
STERIS Corp	oration - F	РСВ	•	•	•			•			
136824-089 - Master Control							UUT 1,2				
136824-091 - Communication							UUT 1,2				
136824-341 -	ACal							UUT 1,2			
Corcom - Line	e Filter						-				
6EH6							UUT 1,2				
Springer - Po	wer Switc	h					-	·			
MLO32								UUT 1,2			
MOUNTING:	Mounted	within unit.				SEISMIC LEVEL	$S_{DS} = 2.6g \text{ for } z/h = 1$	I _P = 1.5			
NOTES:	Product	uct Construction/Options: Model number uniquely identifies manufacturer, materials and configuration of subcomponents.									

STERIS CORPORATION

ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

SEISMIC COMPLIANCE REPORT

UUT 1

												700 07	W P A P	
MANUFA	CTURER:	STERIS C	ORPORATIO	N					1	200 C	Sec. 16.	100		and the second
MODEL N	MODEL NUMBER: RPC													120-120-000
UNIT FUI	FUNCTION: LIGHTING CONTROL PANEL													
SERIAL I	NUMBER:	0419511060						1			N.			
DI	MENSIONS	(in)	WEIGHT	RES	. FRE	Q. (Hz)						-	SW 1	
DEPTH	WIDTH	HEIGHT	(lb)	F-B	S-S	V			->			IN ATEX.	-	
7	20	20	62	N/A	N/A	N//		1						
BUILDIN	G CODE	CODE TEST CRITERIA LAB REPORT NO.					1							
2016	016 CBC ICC-ES AC156		AC156	ETL SQ14-1112-01								A .		
S _{DS} (g)	z/h	A _{FLX-H} (g)	A _{RIG-H} (g)	$A_{FLX-V}(g) = A_{RIG-V}(g)$)	100					~ N	
2.6	.6 1 4.16 3.12 1.74 0.70													
Unit was fu	Ill of operating ntegrity and re	OR, I _P = 1.5 content durin emained functi	0						No. OF ALL	-	-	-	- 7	
MOUNTI	NG:	Rigid wall ı	Rigid wall mounted using (4) 1/4" Grade 5 bolts to PS200 Power-Strut. PS200 mounted to wall using (3) #14 screws.											
CONSTR	UCTION:	NEMA 1 ca	NEMA 1 carbon steel enclosure											
SUBCON	IPONENTS:		Devices Inc.	•				,.		•				-
		136824-34	1), Corcom - I	ine filter ((6EH6),	Springe	r - p	ower switch	i (MLO32)	, vHD vid	eo scala	ir modul	le (10041	940).
TESTING	NOTES:	N/A												

UUT 2

MANUFA	CTURER:	STERIS CORPORATION									
MODEL N	IUMBER:	: RPC									
UNIT FUR	ICTION:	LIGHTING	CONTROL P	ANEL							
SERIAL N	UMBER:	041951106	61								
DIN	IENSIONS	(in)	WEIGHT	RES	. FRE	Q. (Hz					
DEPTH	WIDTH	HEIGHT	(lb)	F-B	S-9	S \		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
7	20	20	62	N/A N/A N/A					A STRAN TO A STRAN		
BUILDIN	G CODE	TEST CI	TEST CRITERIA LAB REPORT NO.					and the second	The second se		
2016	CBC	BC ICC-ES AC156 ETL SQ14-1112		·1112-01		· .					
S _{DS} (g)	z/h	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V}	A _{FLX-V} (g) A _{RIG-V} (g)		g)	and the second			
2.6	2.6 1 4.16		3.12	1.74		0.70					
Unit was fu	Ill of operating	OR, I _P = 1.5 content durin emained functi	0								
MOUNTIN	NG:	Rigid wall r	Rigid wall mounted using (4) 1/4" Grade 5 bolts to PS200 Power-Strut. PS200 mounted to wall using (3) #14 screws.								
CONSTR	UCTION:	NEMA 1 ca	NEMA 1 carbon steel enclosure								
SUBCOM	PONENTS:								RIS Corporation - PCB (136824-089. 136824-091, O32), vHD video scalar module (10041940).		
TESTING	NOTES:	N/A									