APPLICATION FOR OSHPD SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP) APPLICATION #:** OSP - 0202 - 10 **OSHPD Special Seismic Certification Preapproval (OSP)** ☐ 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 Pichler@steris.com **Product Information** Product Name: RPC (Remote Panel Control) Lighting Control Panel Product Type: Product Model Number: (List all unique product identification numbers and/or part numbers) General Description: Power and controls for the Harmony VLED surgical lighting system including up to three lightheads, with or without video. Each panel may include up to three power supplies. Enclosures are NEMA Type 1, constructed of carbon steel in accordance with UL 50, which are mounted to a supporting wall structure. Mounting Description: Rigidly mounted to wall. 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: wvjoerger@isatsb.com I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016. Signature of Applicant: Date: 14 March, 2017 Title: Principal Structural Engineer Company Name: ISAT

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OS ACES 1558 (R Quality Add the Bre Environments that Meet California's Diverse and Dynamic Needs"



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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
Telephone: 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: brady@etldallas.com

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





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Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: ⊠ Yes □ No
Design Basis of Equipment or Components (F _p /W _p) = 1.95
S _{DS} (Design spectral response acceleration at short period, g) = 2.60
a _p (In-structure equipment or component amplification factor) = 2.5
R _p (Equipment or component response modification factor) = 6.0
Ω_0 (System overstrength factor) =2.0
I _p (Importance factor) = 1.5
z/h (Height factor ratio) = 1.0
Equipment or Component Natural Frequencies (Hz) = N/A
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) =1.0
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:
List of Attachments Supporting Special Seismic Certification
Other(s) (Please Specify): Attachment 1 − RPC Comparison
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"



OSHPD

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STERIS CORPORATION

ATTACHMENT 1: CERTIFIED COMPONENTS

SEISMIC COMPLIANCE REPORT

TABLE 1

MANUFAC	TURER:	STERIS CORPORATION									
PRODUCT	PRODUCT FAMILY: RPC (REMOTE PANEL CONTROL)										
MODEL NU	MDED		DIN	MENSIONS	(in)	MAX. WT.	DESCRIPTION / NOTES	BASIS			
MODEL NUMBER			DEPTH	WIDTH	HEIGHT	(lb)	DESCRIPTION / NOTES	DASIS			
RPC (Remote	RPC (Remote Panel Control)										
RPC			7	20	20	62		UUT 1,2			
MOUNTING:	Rigid wal	I mounted.				SEISMIC LEVEL	$S_{DS} = 2.6g \text{ for } z/h = 1$	I _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

MANUFACT	TURER: STERIS CORPORATION									
PRODUCT	FAMILY: RPC (REMOTE PANEL CONTROL)									
MODEL NU	MRFR		DIMENSIONS (in)			MAX. WT.	DESCRIPTION / NOTES	BASIS		
WODEL NO	MDLIX		DEPTH	WIDTH	HEIGHT	(lb)	DEGGRIF FIGHT NOTES	BAOIO		
Hammond Ma	nufacturi	ng - Enclos	ure							
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 Corpo	oration - F	РСВ			•	•		•		
136824-089 - Master Control								UUT 1,2		
136824-091 - Communication								UUT 1,2		
136824-341 - ACal								UUT 1,2		
Corcom - Line	Filter									
6EH6	6EH6							UUT 1,2		
Springer - Power Switch										
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 Construction/Options: Model number uniquely identifies manufacturer, materials and configuration of subcomponents.									
STERIS added vHD video scalar module (10041940), manufactured by STERIS VTS, after testing.										

STERIS CORPORATION

ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

SEISMIC COMPLIANCE REPORT

UUT 1

MANUFAC	CTURER:	STERIS C	ORPORATIO	N					
MODEL N	UMBER:	RPC							
UNIT FUN	CTION:	LIGHTING	CONTROL P	ANEL					
SERIAL N	UMBER:	041951106	0						
DIM	ENSIONS	(in)	WEIGHT	RES	. FRE	Q. (Hz)	7 77 811		
DEPTH	WIDTH	HEIGHT	(lb)	F-B	S-8	S V	AMAN TO SEE		
7	20	20	62	N/A	N/A	N/A			
BUILDING	G CODE	TEST CI	RITERIA	LAB	REPO	ORT NO.			
2016 (2016 CBC ICC-ES		AC156	ETL:	SQ14-	-1112-01			
S _{DS} (g)	z/h	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V}	(g)	A _{RIG-V} (g)			
2.6	1	4.16	3.12	1.74 0.70		0.70			
Unit was full	l of operating tegrity and re	OR, I _P = 1.5 content durin emained functi	O .						
MOUNTIN	G:	Rigid wall mounted using (4) 1/4" Grade 5 bolts to PS200 Power-Strut. PS200 mounted to wall using (3) #14 screws.							
CONSTRU	JCTION:	NEMA 1 carbon steel enclosure							
SUBCOM									

		136824-34	136824-341), Corcom - line filter (6EH6), Springer - power switch (MLO32), vHD video scalar module (10041940).									
TESTING	NOTES:	N/A	N/A									
UUT 2												
MANUFA	CTURER:	STERIS C	ORPORATIO	N								
MODEL N	NUMBER:	RPC										
UNIT FUN		LIGHTING	CONTROL P	ANEL								
SERIAL N	NUMBER:	041951106	51									
DIN	MENSIONS ((in)	WEIGHT	RES	. FRE	Q. (Hz)						
DEPTH	WIDTH	HEIGHT	(lb)	F-B	S-8	6 V	H. EN					
7	20	20	62	N/A	N/A	N/A	BSIDES					
BUILDIN	G CODE	TEST CI	RITERIA	LAB	REPO	ORT NO.						
2016	CBC	ICC-ES	AC156	ETL SQ1		1112-01						
S _{DS} (g)	z/h	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)		A _{RIG-V} (g)						
2.6	2.6 1 4.16 3.12				ı	0.70						
Unit was fu	all of operating on tegrity and re	OR, I _P = 1.5 content durin emained functi	-									
MOUNTIN	NG:	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	IPONENTS:		Conversion Devices Inc power supply (QTY=3: SMD275BBS), STERIS Corporation - PCB (136824-089. 136824-091, 136824-341), Corcom - line filter (6EH6), Springer - power switch (MLO32), vHD video scalar module (10041940).									
TESTING	NOTES:	N/A	N/A									