



APPLICATION FOR PREAPPROVAL SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO.

OSP – 0202 – 10

Check whether application is: NEW RENEWAL

1.0 **STERIS Corp.** **Glen Willisford**
Manufacturer *Manufacturer's Technical Representative*
 2720 Gunter park East, Montgomery, AL 36109
Mailing Address

(334) 213-3211 E-mail Address
Telephone

2.0 **RPC (Remote Panel Control)** **Lighting Control Panel**
Product Name *Product Type*

RPC
Product model No (List all unique product identification numbers and/or serial numbers)

General Description: Rigid wall mounted power and controls for the Harmony VLED surgical lighting system including up to three lighthead, 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. Approval is limited to panels identical those tested (variation in the number of power supplies present in the panel is acceptable).

3.0 **EQUIPMENTANCHORAGE.COM** **JONATHAN ROBERSON, S.E.**
Applicant Company Name *Contact Person*
 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709
Mailing Address

(406) 541-EASE (3273) jon@easeco.com
Telephone *E-mail Address*

I hereby agree to reimburse the Office of Statewide Health Planning and Development for the actual costs incurred by the department for review.


Signature of Applicant

7/15/11
Date

SENIOR ENGINEER
Title

EQUIPMENTANCHORAGE.COM
Company Name

1/5



Registered Design Professional Preparing the Report

4.0 EQUIPMENTANCHORAGE.COM

Company Name

Jonathan Roberson, S.E.

S4197

Contact Name

California License Number

5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Mailing Address

909-606-7622

jon@easeco.com

Telephone

E-mail Address

California Licensed Structural Engineer Review and Acceptance of the Report

5.0 EQUIPMENTANCHORAGE.COM

Company Name

Jonathan Roberson, S.E.

S4197

Contact Name

California License Number

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Anchorage Pre-Approval

6.0

[] Anchorage is pre-approved under OPA- (Separate application for anchorage pre-approval is required)

[x] Anchorage is not Pre-approved

Certification Method

70. [x] Testing in accordance with: [x] ICC-ES AC-156 [] Other (Please Specify):

[] Analysis

[] Experience data

[] Combination of Testing, Analysis, and/or Experience Data (Please Specify):

Testing Laboratory (if applicable)

8.0

Environmental Testing Laboratory, Inc.

Brady Richard

Company Name

Contact Name

11034 Indian Trail, Dallas, TX 75229-3513

Mailing Address

972-247-9657

brady@etldallas.com

Telephone

E-mail:

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Approval Parameters

9.0

Design in accordance with ASCE 7-05 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = **1.95g**

S_{DS} (Spectral response acceleration at short period) = **2.6g**

a_p (In-structure equipment or component amplification factor) = **2.5**

R_p (Equipment or component response modification factor) = **6.0**

I_p (Importance factor) = **1.5**

z/h (Height factor ratio) = **1.0**

Equipment or Component fundamental period(s) = **N/A**

Building period limits (if any) = **None**

Overall dimensions and weight (or range thereof) = **20"W x 7"D x 20"H | 50lb-65lb**

Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: Yes No

Design Basis of Equipment or Components (V/W) =

S_{DS} (Spectral response acceleration at short period) =

S_1 (Spectral response acceleration at 1 second period) =

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 fundamental period(s) = Sec

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2007: Yes No

10.0 List of attachments supporting the special seismic certification of equipment or components:

- Test Report
- Drawings
- Manufacturer's Catalog
- Calculations
- Others (Please Specify): **ATTACHMENT 1**

11.0 OSHPD Approval (For Office Use Only)



Signature & Date
M. R. Karim, SHFR

Name & Title

9/13/2011

December 31, 2016

Approval Expiration Date

S_{DS} (g) = **2.6** z/h = **1.0**

Special Seismic Certification Valid Up to

Condition of Approval (if any):

APPLICATION FOR PREAPPROVAL SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS ATTACHMENT 1: SCHEDULE OF TEST SPECIMEN

UUT-1	RPC Unit 1
MANUFACTURER:	Steris Corp
MODEL:	RPC (Remote Panel Control)
IDENTIFICATION:	Serial No.: 0419511060
FUNCTION:	Power and controls for the Harmony VLED surgical lighting system with up to 3 lightheads, and with or without video.
DESCRIPTION:	Panel - Hammond Mfg. N1A20207, UL50, NEMA 1, IEC60529,IP20 (3) Power supplies CDI (Conversion Devices Inc) PCB - STERIS Design, MFG - Shanghai GES Information Technology, Shanghai, China Master Control PCB Communication PCB's ACal PCB Line Filters - Corcom Power Switch - Springer
RESTRICTIONS:	N/A
MOUNTING:	Wall Mounted a condition where the unit is supported both vertically and laterally by a building wall or partition. Enclosures mounted to Power-Strut PS200 backing which was surface mounted to wall at the top and bottom of the unit.

UUT PROPERTIES:

DIMENSIONS (in.)			WEIGHT (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
WIDTH	DEPTH	HEIGHT		X-Axis	Y-Axis	Z-Axis
20	7	20	62	--	---	---



APPLICATION FOR PREAPPROVAL SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS ATTACHMENT 1: SCHEDULE OF TEST SPECIMEN

UUT- 2	RPC Unit 2
MANUFACTURER:	Steris Corp
MODEL:	RPC (Remote Panel Control)
IDENTIFICATION:	Serial No.: 0419511061
FUNCTION:	Power and controls for the Harmony VLED surgical lighting system with up to 3 lightheads, and with or without video..
DESCRIPTION:	Enclosure - Hammond Mfg. N1A20207, UL50, NEMA 1, IEC60529,IP20 (3) Power supplies CDI (Conversion Devices Inc) SMD275BBS PCB - STERIS Design, MFG - Shanghai GES Information Technology, Shanghai, China Master Control PCB Communication PCB's ACal PCB Line Filters - Corcom Power Switch - Springer
MOUNTING:	Wall Mounted a condition where the unit is supported both vertically and laterally by a building wall or partition. Enclosures mounted to Power-Strut PS200 backing which was surface mounted to wall at the top and bottom of the unit.

UUT PROPERTIES:

DIMENSIONS (in.)			WEIGHT (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
WIDTH	DEPTH	HEIGHT		X-Axis	Y-Axis	Z-Axis
20	7	20	62	--	--	--

