



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: **OSP – 0507-10**

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: **SPELLMAN HIGH VOLTAGE ELECTRONICS**

Manufacturer's Technical Representative: Ray Bowker

Mailing Address: 475 Wireless Blvd., Hauppauge, NY 11788

Telephone: On File Email: On File

Product Information

Product Name: **PDUX4626 Power Distribution Unit**

Product Type: **Power Distribution Unit**

Product Model Number: **PDUX4626**

(List all unique product identification numbers and/or part numbers)

General Description: Power distribution for CT medical imaging system.

Mounting Description: Rigidly Mounted at Base

Applicant Information

Applicant Company Name: **EASE Co.**

Contact Person: Jonathan Roberson, S.E.

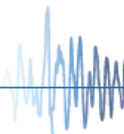
Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Telephone: (909) 606-7622 Email: j.roberson@easeco.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: 2/21/2017

Title: Principal Structural Engineer Company Name: **EASE Co.**





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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: EASE Co.

Name: Jonathan Roberson, S.E. California License Number: S4197

Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Telephone: (909) 606-7622 Email: j.roberson@easeco.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): _____

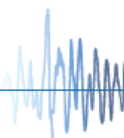
Testing Laboratory

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





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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) = 1.44 ($S_{DS}=2.0 @ z/h=1$) & 1.125 ($S_{DS}=2.5 @ z/h=0$)

S_{DS} (Design spectral response acceleration at short period, g) = 2.0 ($z/h=1$) & 2.5 ($z/h=0$)

a_p (In-structure equipment or component amplification factor) = 1

R_p (Equipment or component response modification factor) = 2 1/2

Ω_0 (System overstrength factor) = 2

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 1 ($S_{DS}=2.0$) & 0 ($S_{DS}=2.5$)

Equipment or Component Natural Frequencies (Hz) = Front: 16.3 / Side: 13.8 / Vert.: 14.4

Overall dimensions and weight (or range thereof) = 27.7" W x 32.15" D x 66.41" H 1264lb

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) = _____

Ω_0 (System overstrength factor) = _____

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): Attachment 1

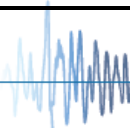
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022


Signature:  Date: 2/23/17

Print Name: M. R. Karim Title: SHFR

Special Seismic Certification Valid Up to : S_{DS} (g) = See Above z/h = See Above

Condition of Approval (if applicable): Approval is limited to units identical to tested unit.



UUT-1 PDUX4626 Power Distribution Unit						
MANUFACTURER: Spellman High Voltage Electronics Corporation						
IDENTIFICATION: Model No.: PDUX4626						
DESCRIPTION: Power Distribution Unit Unit was full of content during test.						
MOUNTING: Rigid Base (Floor) mounted using: (6) - 3/8" diam. socket head cap screws w/ washers. (Torque = 25 ft-lb)						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Side-Axis	Front-Axis	Vert-Axis
27.7	32.15	66.41	1264	13.8	16.3	14.4
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _P	A _{FLEX-H} (G)	A _{RIGH} (G)	A _{FLEX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.						