



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OSP – 0525 – 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Shanghai, SK Transformer Co. Ltd

Manufacturer's Technical Representative: Lv Mingxiang

Mailing Address: NO.1050 Xingqing Road, Jiading Industrial Zone, Shanghai, China

Telephone: 86-21-39538785 Email: lvmx@sktrans.com

Product Information

Product Name: Value 1.5T Main Disconnect Panel

Product Type: Electrical Control Panel

Product Model Number: 5750184 (GEHC)

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

General Description: Main disconnect panel for GE Healthcare medical equipment. Approval is limited to Main disconnect panels servicing GE Healthcare equipment.

Mounting Description: Rigid wall mounted

Applicant Information


Applicant Company Name: EASE Co.

Contact Person: Jonathan Roberson, S.E.

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

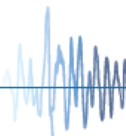
Telephone: (909) 606-7622 Email: j.roberson@easeco.com

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: 6/01/2017

Title: Principal Structural Engineer Company Name: EASE Co.

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





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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): _____

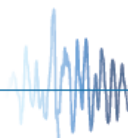
Testing Laboratory

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 (SDS=2.0 @ z/h=1) & 1.125 (SDS=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) = 2.5

Ω_0 (System overstrength factor) = 2

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 1 (SDS = 2.0); 0 (SDS = 2.5)

Equipment or Component Natural Frequencies (Hz) = N/A

Overall dimensions and weight (or range thereof) = 25.2" W x 9.85" D x 35.46" H, 152 lb.

9.85
35.46

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): Attachments 1

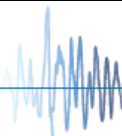
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

Signature:  Date: June 12, 2017

Print Name: Timothy J. Piland Title: SSE

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		Value 1.5T MAIN DISCONNECT PANEL				
MANUFACTURER:		SHANGHAI, SK TRANSFORMER CO. LTD				
IDENTIFICATION:		5750184				
DESCRIPTION:		Main Disconnect Panel 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.)						LOWEST RESONANT FREQUENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
25.22	9.85	35.46	151.8	---	---	---
<i>ICC-ES AC156 SHAKE TABLE TEST PARAMETERS</i>						<i>2016 CBC</i>
S _{DS} (G)	z/h	I _P	A _{FLEX-H} (G)	A _{RIG-H} (G)	A _{FLEX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.						

