

APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)		EUSE ONLY
OSHPD Special Seismic Certification Preapproval (OSP)	APPLICATION #:	OSP – 0523 – 10
Type: New Renewal		
Manufacturer Information		
Manufacturer: CETC ECRIEEPOWER (ANHUI) CO., LTD		
Manufacturer's Technical Representative: Dora Xia		_
Mailing Address: <u>No. 41 Tianzhi Road High & New Technology Devel</u>	opment Zone, Hefei, Ch	ina
Telephone: ON FILE Email: ON FI	LE	
Product Information		
Product Name: CT-PDU-115KVA-3 & CT-PDU-115KVA-PLUS		
Product Type: Power Distribution Unit		
Product Model Number: 459800313191 (CT-PDU-115KVA-3) / 4598 (List all unique product identification numbers and/or part numbers) General Description: Power Distribution Units (PDU) supporting Ph	ilips Healthcare CT med	lical imaging systems.
Seismic Certification is limited to units used with Philips Healthcare C	CT medical imaging syst	ems.
Mounting Description: Rigid base mounted.		
Applicant Information		
Applicant Company Name: EASE LLC		
Contact Person: JONATHAN ROBERSON, S.E.		
Mailing Address:5877 Pine Ave. Suite 210, Chino Hills, CA 91709		
Telephone: (406) 541-EASE (3273) Email: j.rober	son@easeco.com	
I hereby agree to reimburse the Office of Statewide Health accordance with the California Administrative Code, 2016.	Planning and Develo	opment review fees in
Signature of Applicant:	Date	e: <u>May 27, 2017</u>
Title: Principal Engineer Company Name: EASE	LLC	
"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	L All M.	OSHPD
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY		
accordance with the California Administrative Code, 2016. Signature of Applicant: Title: Principal Engineer Company Name: EASE "Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	Date	

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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)				
Company Name: EASE LLC				
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				

Email: <u>brady@etIdallas.com</u>

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)

Telephone: (972) 247-9657

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic	Parameters
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Design in accordance with ASCE 7-10 Chapter 13: 🖂 Yes 🗌 No
Design Basis of Equipment or Components (F _p /W _p) = <u>1.44 (S_{DS}=2.0; z/h=1) / 1.13 (S_{DS}=2.5; z/h=0)</u>
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 (S _{DS} =2.0) / 0 (S _{DS} =2.5)
Equipment or Component Natural Frequencies (Hz) = See Attachment 1
Overall dimensions and weight (or range thereof) = <u>See Attachment 1</u>
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) =
Cd (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:
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: Date: July 10, 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):
*Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
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EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

PHILIPS HEALTHCARE

ATTACHMENT 1: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 1 OF 1

UUT1708-1	CT-PDU-115K\	/A-3				
MANUFACTURER:	CETC ECRIEEPOWER (ANHUI) CO., LTD					Par
IDENTIFICATION:	459800313191					
DESCRIPTION:	Component of the Philips imaging medical imaging system. External mounting brackets & fasteners provided by manufacturer.					
MOUNTING:	Floor Mounted: (6) – 3/8" dia GR 8 S/ Leveling feet and aste					
DIMENSIONS (in.)			LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
23.3	30.3	32.5	805	22.1	25.6	30.6
ICC-ES AC156 SH	AKE TABLE TEST PAR	AMETERS	÷	-	-	CODE: 2016 CBC
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC15	6 requirements for struc	tural integrity and ma	anufacturer requiremen	ts for functionality after	er AC156 test.	•

UUT1708- 2	CT-PDU-115K	/A-PLUS				
MANUFACTURER:	CETC ECRIEEPOWER (ANHUI) CO., LTD					
IDENTIFICATION:	459801204831				An	
DESCRIPTION:	Component of the Philips imaging medical imaging system. External mounting brackets & fasteners provided by manufacturer.					
MOUNTING:		AE J429 Grade 8 bolts ers fully bearing all fou				
	DIMENSIONS (in.)		LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
23.3	27.6	44.5	926	21.4	28.7	35.8
ICC-ES AC156 SH	AKE TABLE TEST PAR	AMETERS	•	•	•	CODE: 2016 CBC
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC15	6 requirements for struc	tural integrity and mar	nufacturer requireme	nts for functionality after	er AC156 test.	