APPLICATION FOR PREAPPROVAL

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO.

OSP – 0164 – 10

Check whether application is: NEW [X] RENEWAL [ ]

1.0

PHILIPS LIGHTING & ELECTRONICS — *Manufacturer*

Mitchell Hefter — *Manufacturer's Technical Representative*

2828 Trade Center Drive - Suite 130B, Carrollton, TX 75007 — *Mailing Address*

(972) 389-6167 — *Telephone*

controls.support@philips.com — *E-mail Address*

2.0

Philips Dynalite Load Controller Enclosure — *Product Name*

Lighting Control Cabinet — *Product Type*

SEE ATTACHMENT 1

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

General Description: Rigid Wall mounted control panel assembly mounted in NEMA Type-1/ UL Type-1 enclosures for control of open or complete branch circuits intended for lighting, with optional control for electronic dimming of ballasts. Units are manufactured for Philips Lighting Electronic by Blue Ridge Technologies in the facility located in Marietta, Georgia.

3.0

EQUIPMENTANCHORAGE.COM — *Applicant Company Name*

JONATHAN ROBERSON, S.E. — *Contact Person*

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

(406) 541-EASE (3273) — *Telephone*

jon@easeco.com — *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

February 4, 2011 — *Date*

SENIOR ENGINEER — *Title*

EQUIPMENTANCHORAGE.COM — *Company Name*

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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*

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

909-606-7622 | jon@easeco.com
Telephone | *E-mail Address*

Anchorage Pre-Approval

6.0

☐ *Anchorage is pre-approved under OPA-*
(Separate application for anchorage pre-approval is required)

☒ Anchorage is not Pre-approved | APPROVAL PENDING: OPA-2631-10

Certification Method

70. ☒ *Testing in accordance with:* ☒ *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)* = ***2.60g***

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) = ***NO LIMIT***

Overall dimensions and weight (or range thereof) = ***SEE ATTACHMENT 1***

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

Chris Tokas, SHFR

Name & Title

December 31, 2016

Approval Expiration Date

S_{DS} (g) = **2.60** z/h = **1.0**

Special Seismic Certification Valid Up to

Condition of Approval (if any):

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PHILIPS LIGHTING & ELECTRONICS

SPECIAL SEISMIC CERTIFICATION OF DYNALITE LOAD CONTROLLER ENCLOSURE

ATTACHMENT 1:

Table 1: Seismic Certified Components: Philips Dynalite (DE Series) Load Controller Enclosures

COMPONENTS	MODEL				
	DE1-#B-#R	DE2-#B-#R-#NG-#DC	DE4-#B-#R-#V-#NG-#DC	DE5-#B-#R-#V-#NG-#DC	DE6-#B-#R-#V
Total Number of Ballast and/or Relay Controller Modules (Max.)	1	2	4	5	6
• Philips DMBC320-DALI-NA DALI DALI Ballast Controllers	•	•	•	•	•
• Philips DMRC820FR-NA Relay Load Controller	•	•	•	•	•
• Philips DMBC320-100ZT-NA 0-10V 0-10v Ballast Controllers	•	•	•	•	•
Max. Qty of Network Gateways and/or Dry Contact Interfaces	0	2	2	2	0
• Philips DDNG485-NA Network Gateways		•	•	•	
• Philips DDMIDC8-NA Dry Contact Interface (Input Controller)		•	•	•	
Enclosure: NEMA Type 1 / UL Type 1					
• DE1X (18"W x 6"D X 17"H)	•				
• DE2X (18"W x 6"D X 26"H)		•			
• DE4X (18"W x 6"D X 43"H)			•		
• DE6X (18"W x 6"D X 53"H)				•	•
Maximum Weight (Lb.)					
	30	40	65	98	98
Other Features					
• Phoenix Contact 3044131 Terminal Block	•	•	•	•	•
• Molex ENSP1FP Female EtherNet Jack	•	•	•	•	•
Mounting Type:					
• Wall – Surface mounted	•	•	•	•	•
• Wall – Flush mounted	•	•	•	•	•

Notes:

1) *This table establishes the options and subassemblies recognized by this report.*
2) *Shaded options in the above table indicate features included in the test specimens.*
3) *Controller modules may be in any combination of the listed models up to the maximum quantity stated in the table.*
4) *In the model numbers above, # represents a variable range of numbers. Valid combinations are as follows:*

DE #	-	#B	-	#R	-	#V	-	#NG	-	#DC
Enclosure Prefix in which # indicates the Total Number of Controller Modules per table above		# of DALI Ballast Controllers		# of Relay Controllers		# of 0-10v Ballast Controllers		# of Network Gateways		# of Dry Contact Interfaces
		Any Combination up to Total Number of Controllers						Maximum of 2 Devices		

PHILIPS LIGHTING & ELECTRONICS

SPECIAL SEISMIC CERTIFICATION OF DYNALITE LOAD CONTROLLER ENCLOSURE

ATTACHMENT 1:

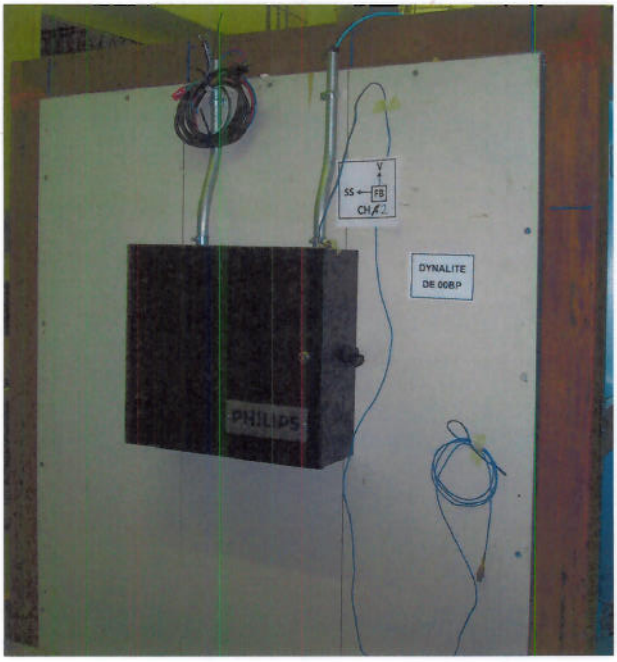

Figure 1: UUT 1 :: DE1–1R

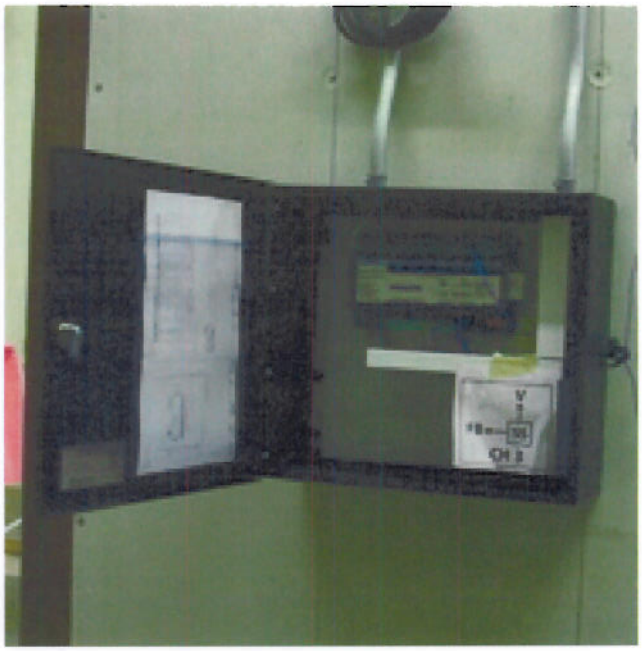

Figure 2: UUT 1 :: DE1–1R

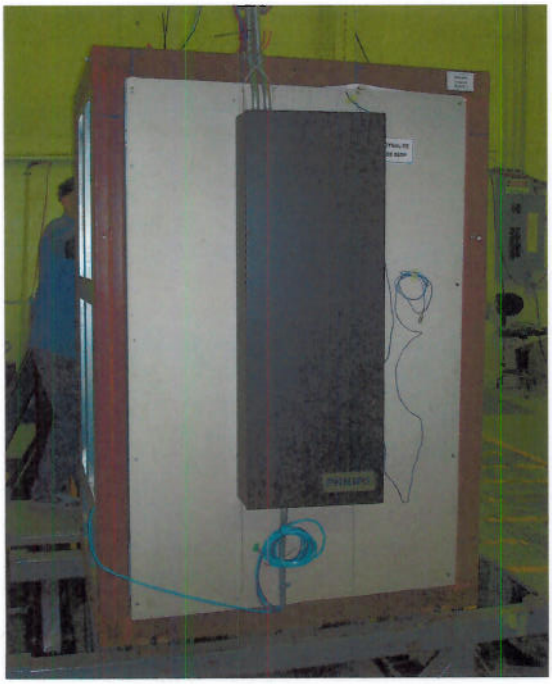

Figure 3: UUT 2 :: DE5–2B–2R–1V–1NG–1DC

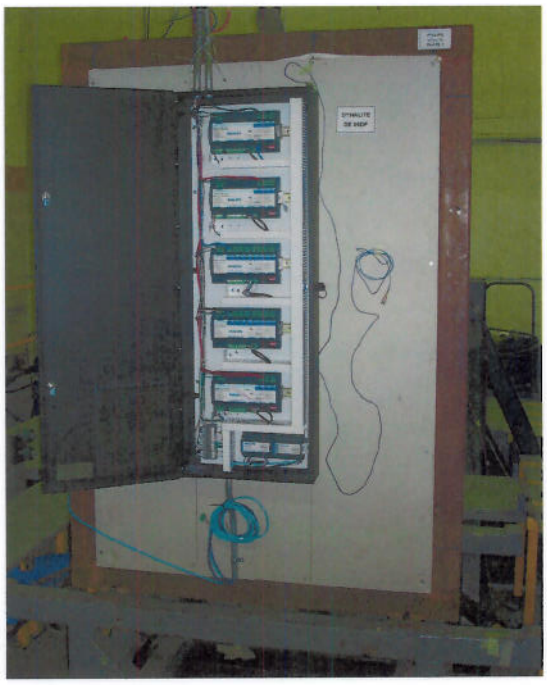

Figure 4: UUT 2 :: DE5–2B–2R–1V–1NG–1DC

PHILIPS LIGHTING & ELECTRONICS

SPECIAL SEISMIC CERTIFICATION OF DYNALITE LOAD CONTROLLER ENCLOSURE

ATTACHMENT 1:

TEST SPECIMENS

UUT 1: DE1–1R

Name:	Philips Dynalite Load Controller Enclosure
UUT Number:	1
UUT Function:	Lighting Control Cabinet
Manufacturer:	PHILIPS LIGHTING & ELECTRONICS
Description:	Control panel for control of open or complete branch circuits intended for lighting with optional control for electronic dimming ballasts. Panel enclosure is 16 ga. steel construction conforming to both NEMA and UL Type 1 ratings and includes the subassemblies listed below: • (1) Philips DMRC820FR-NA Relay Load Controller • (6) Phoenix Contact Terminal Bloc • (1) Molex ENSP1FP Female EtherNet Jack (Bulkhead Mount) • 120-277VAC, 50/60 Hz, Single Phase & Neutral
Service Mounting	Wall - Surface Mounted
Identification No.:	BY-741.112
Dimensions:	17" H x 18" W x 6" D
Weight:	30 lbs

UUT 2: DE5–2B–2R–1V–1NG–1DC

Name:	Philips Dynalite Load Controller Enclosure
UUT Number:	2
UUT Function:	Lighting Control Cabinet
Manufacturer:	PHILIPS LIGHTING & ELECTRONICS
Description:	Control panel for control of open or complete branch circuits intended for lighting with optional control for electronic dimming ballasts. Panel enclosure is 16 ga. steel construction conforming to both NEMA and UL Type 1 ratings and includes the subassemblies listed below: • (2) Philips DMBC320 –DALI – NA DALI Ballast Load Controllers • (2) Philips DMRC820FR – NA Relay Load Controller • (1) Philips DMBC320- 100ZT- NA 0-10V Ballast Controller • (1) Philips DDNG485-NA Network Gateway • (1) Philips DDMIDC8-NA Dry Contact Interface • (12) Phoenix Contact 3044131 Terminal Bloc • (1) Molex ENSP1FP Female EtherNet Jack (Bulkhead Mount) • 120-277VAC, 50/60 Hz, Single Phase & Neutral
Service Mounting	Wall - Surface Mounted
Identification No.:	BY-741.109
Dimensions:	53" H x 18"W x 6" D
Weight:	98 lbs.