



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0208

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Lescure Manufacturing LLC

Manufacturer's Technical Representative: Mike Lescure

Mailing Address: 2301 Arnold Industrial Way, Suite C, Concord, CA 94520

Telephone: (925) 283-2528

Email: mlescure@lescurecompany.com

Product Information

Product Name: Lescure Fuel Oil Control System

Product Model Number(s): 248204-MCP001, 248204-RPC001, 248204-FPC001

Product Category: Motor Control Centers

Product Sub-Category: Pump Control Panels

General Description: master control panel, return pump system, and filtration system for diesel generators

Mounting Description: Base Mounted Rigid -

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: Lescure Manufacturing LLC

Contact Person: Mitch Wiley

Mailing Address: 2301 Arnold Industrial Way Suite C., Concord, CA 94520

Telephone: (925) 283-2528

Email: mwiley@lescurecompany.com

Title: Superintendent



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

Company Name: MIYAMOTO INTERNATIONAL INC.

Name: Amir Gilani

California License Number: S4733

Mailing Address: 1450 Halyard Drive Suite 1, West Sacramento, CA 95695

Telephone: (916) 373-1995

Email: agilani@miyamotointernational.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

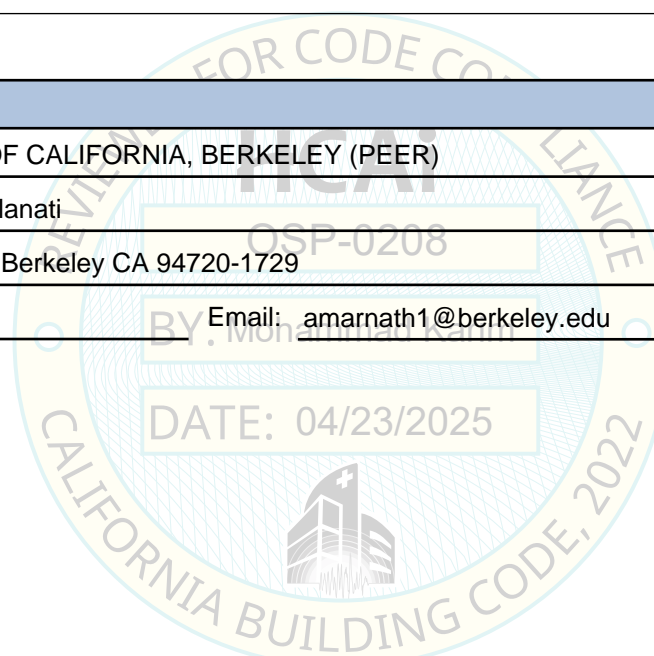
Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)

Contact Person: Amarnath Kasalanati

Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729

Telephone: (510) 642-3437

Email: amarnath1@berkeley.edu





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.80

SDS (Design spectral response acceleration at short period, g) = 2.50

a_p (Amplification factor) = 1.0

R_p (Response modification factor) = 2.5

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 04/23/2031

Date: 4/23/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.5

z/h = 1

Condition of Approval (if applicable):

Seismic Certification Product Listing

Manufacturer:	Lescure Manufacturing LLC
Product Name	Lescure Fuel Oil Control System
Product Type:	Automated Fuel Oil Control System
Model Number	248204



UUT	Item	Model Tested	Dimensions (in.)			Weight, (lbs)
			Width	Depth	Height	
UUT1	Master Control Panel (MCP)	248204-MCP001	48	16	72	650
UUT2	Return Pump Console (RPC)	248204-RPC001	34	16	60	455
UUT3	Filtration Pump Console (FPC)	248204-FPC001	60	30	71	1,085

Product Construction Summary

UUT1, Master Control Panel:

(Manufacturer Hoffman)
Dripshield F/NEMA12 Enclosure
48"x72"x16"
Material: Carbon steel

UUT2, Return Pump Console:

(Manufacturer Hoffman)
A48R3616HCR NEMA3R HNG CVR BO Enclosure
34"x60"x16"
Material: Carbon steel

UUT3, Filtration Pump Console:

(Manufacturer Lescure Manufacturing LLC.)
NEMA 3R GA12 Galv. Enclosure
60"x71"x30"
Material: Code Gauge Galvanized carbon steel

Certified Subcomponent Summary				
UUT	Manufacturer	Part No.	Description	Material
1	Hoffman	T200216G100	AC SIDE MTG 115V 50/60HZ TYPE 4	Carbon steel/Copper/Plastic
1	Incon	TS-5000 TS-EXP STP-SCI	Fuel Management System Console, FMS Expansion Module Console, Smart Controller	Carbon steel/Plastic
1	Square D	B14.0 8501X020V02 8502SBO1V02S	NEMA, Thermal Unit, Relay, Manual Switch	Carbon steel/Plastic
1	Cutler Hammer	TRN1P120V TRNP D3PA2	Time Delay Relay, 8 Pin Base for TRN1P120V	Plastic/Carbon steel
2	Square D	2510FG1 A14.8	Manual Starter Thermal Unit	Carbon steel/Plastic
2	Haight	10U-10 GPM	Universal Pump	Cast Iron
2	Leeson	S56C Frame Rigid "C" Face- TEFC	Electric Motor	Carbon steel/Copper/Plastic
2	Versa-Mount	4263142	Flowmeter	Brass/Plastic/Carbon steel
2	AZCO	82100054	Solenoid Valve N/C	Brass/Plastic/Carbon steel
2	Crouse Hinds Condulets	RE21	Reducer Bushing	Carbon steel
3	Square D	2510KG1	Manual Switch	Carbon steel/Plastic
3	Haight	SOUR - 30GPM	Universal Relief Valve Pump	Cast Iron
3	Leeson	110910	Electric Pump Motor	Carbon steel/Copper/Plastic
3	RACOR	FBO-10-DPL	Fuel Purifier	Carbon steel
3	AZCO	82100054	N/C Solenoid Valve	Brass,/Plastic/Carbon steel
3	Franklyn Fueling	TSP-ULS	Leak Sensor	Stainless steel/Plastic/Aluminum
3	Crouse Hinds Condulets	RE21	Reducer Bushing	Carbon steel

Summary Sheet for Unit Under Test UUT1: Master Control Panel

Product Description	
Manufacturer:	Lescure Manufacturing LLC
Product Name:	Master Control Panel (MCP)
Model Number:	248204-MCP001

Construction
Dripshield F/NEMA12 Enclosure; (manufacturer Hoffman)

Product Subcomponents			
Manufacturer	Part No.	Description	Material
Hoffman	T200216G100	AC SIDE MTG 115V 50/60HZ TYPE 4	Carbon steel/Copper/Plastic
Incon	TS-5000 TS-EXP STP-SCI	Fuel Management System Console, FMS Expansion Module Console, Smart Controller	Carbon steel/Plastic
Square D	B14.0 8501X020V02 8502SBO1V02S	NEMA, Thermal Unit, Relay, Manual Switch	Carbon steel/Plastic
Cutler Hammer	TRN1P120V TRNP D3PA2	Time Delay Relay, 8 Pin Base for TRN1P120V	Plastic/Carbon steel

Properties of UUT						
Weight and dimensions				Lowest natural frequencies		
Weigh, lbs	Width, in.	Depth, in.	Height, in.	X-	Y-	Z-
650	48	16	72	15.4	12.7	10.1

Highest Passed Seismic Certification Level for UUT									
Building Code	Test criteria	S_{DS} , g	z/h	I_p	Horizontal			Vertical	
					A_{FLX} , g	A_{RIG} , g	A_{FLX} / A_{RIG}	A_{FLX} , g	A_{RIG} , g
CBC 2022	ICC-ES AC 156	2.50	1.0	1.5	4.00	3.00	1.33	1.67	0.67
UUT1 was full of content during the seismic tests. It maintained structural stability and was functional following the seismic tests.									

Test mounting detail for UUT1



Attached to support platform using ten (10) 1/2 in. A307 bolts. Support platform bolted to ground using four (4) 1/2 in. A307 bolts (one per support leg) B-line FW-1/2" 17/32 thick, Carbon steel Electro Galvanized Flat Washer. Base Plate B200-Square Washer 1-5/8 Sq. by 1/4" Thick

Support platform: Four 2x2x1/4 in. ASTM A500 square tube legs; 2x2x1/4 in. ASTM A36 angles for platform, Four 4x6 ASTM A36 support feet

Summary Sheet for Unit Under Test UUT2: Return Pump Console

Product Description	
Manufacturer:	Lescure Manufacturing LLC
Product Name:	Return Pump Console (RPC)
Model Number:	248204-RPC001

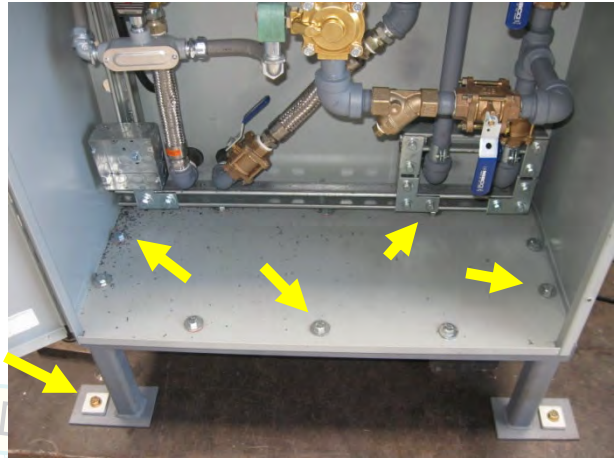
Construction
A48R3616HCR: NEMA3R HNG CVR BO Enclosure (manufacturer Hoffman)

Product Subcomponents			
Manufacturer	Part No.	Description	Material
Square D	2510FG1 A14.8	Manual Starter Thermal Unit	Carbon steel/Plastic
Haight	10U-10 GPM	Universal Pump	Cast Iron
Leeson	S56C Frame Rigid "C" Face- TEFC	Electric Motor	Carbon steel/Copper/Plastic
Versa-Mount	4263142	Flowmeter	Brass/Plastic/Carbon steel
AZCO	82100054	Solenoid Valve N/C	Brass/Plastic/Carbon steel
Crouse Hinds Condulets	RE21	Reducer Bushing	Carbon steel

Properties of UUT						
Weight and dimensions				Lowest natural frequencies		
Weigh, lbs	Width, in.	Depth, in.	Height, in.	X-	Y-	Z-
455	34	16	60	14.3	13.7	10.1

Highest Passed Seismic Certification Level for UUT									
Building Code	Test criteria	S_{ds} , g	z/h	I_p	Horizontal			Vertical	
					A_{FLX} , g	A_{RIG} , g	A_{FLX} / A_{RIG}	A_{FLX} , g	A_{RIG} , g
CBC 2022	ICC-ES AC 156	2.50	1.0	1.5	4.00	3.00	1.33	1.67	0.67
UUT2 was full of content during the seismic tests. It maintained structural stability and was functional following the seismic tests.									

Test mounting detail for UUT2



Attached to support platform using ten (10) 1/2 in. A307 bolts. Support platform bolted to ground using four (4) 1/2 in. A307 bolts (one per support leg) B-line FW-1/2" 17/32 thick, Carbon steel Electro Galvanized Flat Washer. Base Plate B200-Square Washer 1-5/8 Sq. by 1/4" Thick

Support platform: Four 2x2x1/4 in. ASTM A500 square tube legs; 2x2x1/4 in. ASTM A536 angles for platform, Four 4x6 ASTM A36 support feet

BY: Mohammad Karim

DATE: 04/23/2025

Summary Sheet for Unit Under Test UUT3: Filtration Pump Console

Product Description	
Manufacturer:	Lescure Manufacturing LLC
Product Name:	Filtration Pump Console (FPC)
Model Number:	248204-FPC001

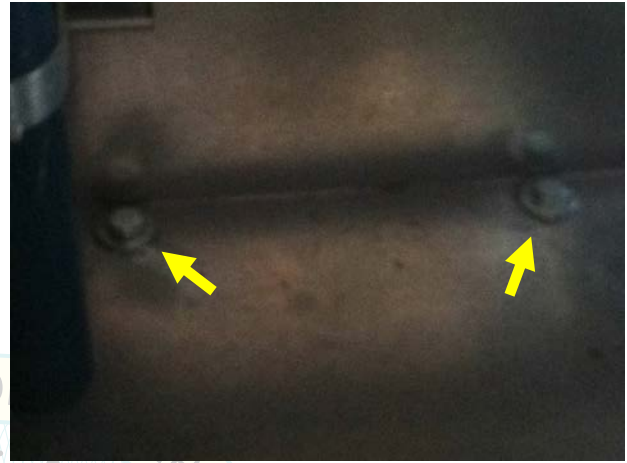
Construction
BOX607130: 60"x71"x30" GA12 Galv Enclosure (manufacturer Lescure Manufacturing LLC.)

Product Subcomponents			
Manufacturer	Part No.	Description	Material
Square D	2510KG1	Manual Switch	Carbon steel/Plastic
Haight	SOUR - 30GPM	Universal Relief Valve Pump	Cast Iron
Leeson	110910	Electric Pump Motor	Carbon steel/Copper/Plastic
RACOR	FBO-10-DPL	Fuel Purifier	Carbon steel
AZCO	82100054	N/C Solenoid Valve	Brass, /Plastic/Carbon steel
Franklyn Fueling	TSP-ULS	Leak Sensor	Stainless steel/Plastic/Aluminum
Crouse Hinds Condulets	RE21	Reducer Bushing	Carbon steel

Properties of UUT						
Weight and dimensions				Lowest natural frequencies		
Weigh, lbs	Width, in.	Depth, in.	Height, in.	X-	Y-	Z-
1,085	60	30	71	14.3	13.7	10.1

Highest Passed Seismic Certification Level for UUT										
Building Code	Test criteria	S_{DS} , g	z/h	I_p	Horizontal			Vertical		
					A_{FLX} , g	A_{RIG} , g	A_{FLX} / A_{RIG}	A_{FLX} , g	A_{RIG} , g	A_{FLX} / A_{RIG}
CBC 2022	ICC-ES AC 156	2.50	1.0	1.5	4.00	3.00	1.33	1.67	0.67	2.5
UUT3 was full of content during the seismic tests. It maintained structural stability and was functional following the seismic tests.										

Test mounting detail for UUT3



Attached to support platform using ten (10) 1/2 in. A307 bolts. Support platform bolted to ground using four (4) 1/2 in. A307 bolts (one per support leg) B-line FW-1/2" 17/32 thick, Steel Electro Galvanized Flat Washer. Base Plate B200-Square Washer 1-5/8 Sq. by 1/4" Thick

Support platform: Four 2x2x1/4 in. ASTM A500 square tube legs; 2x2x1/4 in ASTM A36 angles for platform, Four 4x6 ASTM A36 support feet

DATE: 04/23/2025

