



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-0627

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Price Industries Ltd.

Manufacturer's Technical Representative: David Surminski

Mailing Address: 638 Raleigh Street, Winnipeg, MB R2K 3Z9

Telephone: (204) 661-7866

Email: DavidS@priceindustries.com

Product Information

Product Name: ULTRASUITE® (Alternatively Branded Supersuite)

Product Model Number(s): Varies (See attachment)

Product Category: Air Conditioning Units

Product Sub-Category: Air Filters

General Description: Modular diffuser panel with lighting drivers.

Mounting Description: Ceiling suspended (See attached)

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: Dynamic Certification Laboratories

Contact Person: Rachel Wolfe

Mailing Address: 1315 Greg Street, Sparks, NV 89431

Telephone: (775) 358-5085

Email: rachel.wolfe@shaketest.com

Title: Seismic Test Engineer



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

Company Name: THE VMC GROUP

Name: Kenneth Tarlow California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

Certification Method

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

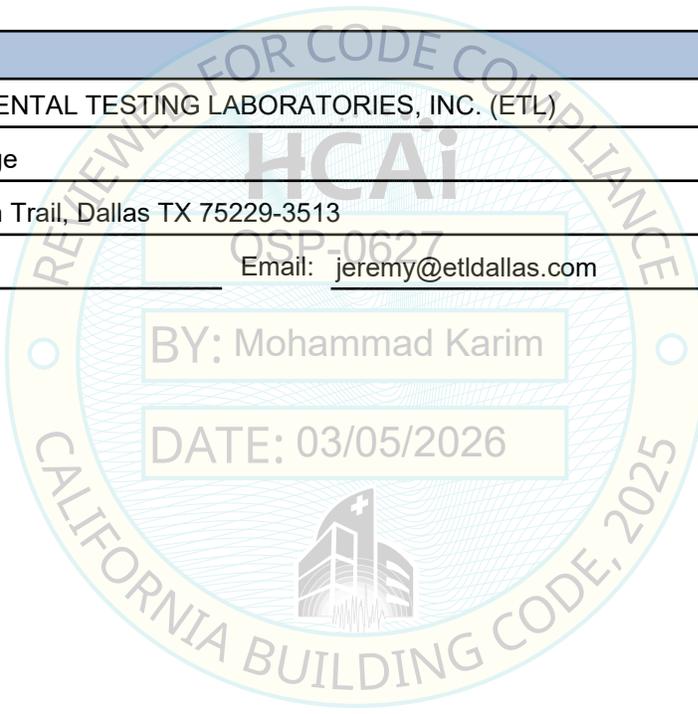
Testing Laboratory

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)

Contact Person: Jeremy Lange

Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513

Telephone: (972) 247-9657 Email: jeremy@etldallas.com





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal (A Flx-H), g= 3.2 (A Rig-H), g= 2.15
 Vertical (A Flx-V), g= 1.67 (A Rig-V), g= 0.67

SDS (Design spectral response acceleration at short period, g) = 2.00g (z/h = 1.0), 2.50g (z/h = 0.0)

Hf (Force amplification height factor) = 3.5 at z/h=1; 1.0 at z/h=0

Ru (Structure ductility reduction factor) = 1.3 at z/h=1; 1.0 at z/h=0

Ip (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 03/05/2032

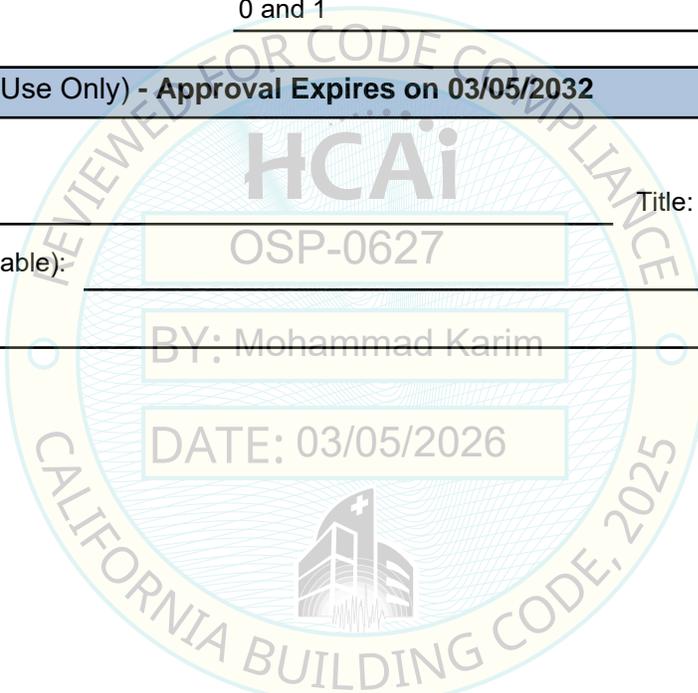
Date: 3/5/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0627

BY: Mohammad Karim

DATE: 03/05/2026



Special Seismic Certification
Table 1 - Certified Components



DCL Project Number: 94144-2501

Manufacturer: Price Industries Ltd.

Model Line: ULTRASUITE® (Alternatively Branded Supersuite)

Product Type: Air Terminal Device

Certified Product Construction: 14 GA. Aluminum Plenum, extruded aluminum outer frame, tig welded plenum, diffuser face and outer frame.

Certified Options Summary: Remote driver

Mounting: Ceiling Suspended

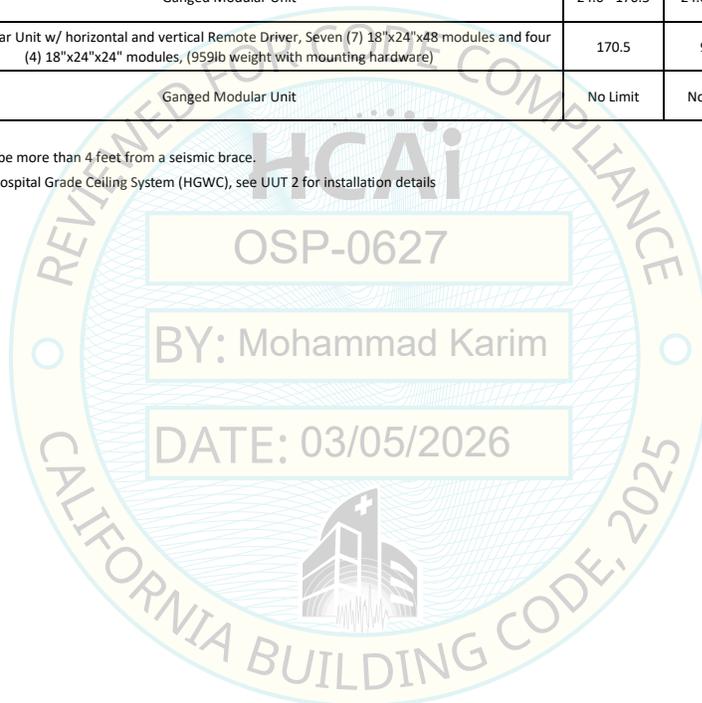
Certified Seismic Levels: Sds 2.0 g at z/h=1.0 and Sds 2.5 g at z/h=0

Factors for Force Amplification and Structure Ductility Reduction: $H_s = 3.5$ at z/h=1.0; 1.0 at z/h=0 and $R_w = 1.3$ at z/h=1.0; 1.0 at z/h=0

Model Line	Description	Dimensions [in.]			Weight [lb.]	Unit ^{1,2}
		Depth	Width	Height		
UltraSuite (Alternatively Branded Supersuite)	Single Modular Unit	10.0 - 24.0	10.0 - 24.0	12.0	28	Extrapolated
	Single Modular Unit w/ vertical and horizontal Remote Driver, 84lb. weight with mounting hardware	24.0	24.0	18.0	54	UUT-1
	Single Modular Unit	24.0 - 48.0	24.0	12.0 - 18.0	54 - 109	Interpolated
	Ganged Modular Unit	24.0 - 170.5	24.0 - 97.8	12.0 - 18.0	109 - 793	Interpolated
	Ganged Modular Unit w/ horizontal and vertical Remote Driver, Seven (7) 18"x24"x48 modules and four (4) 18"x24"x24" modules, (959lb weight with mounting hardware)	170.5	97.8	18.0	793	UUT-2
	Ganged Modular Unit	No Limit	No Limit	12.0 - 18.0	6.85 psf	Extrapolated

Notes:

- No portion of the configured unit shall be more than 4 feet from a seismic brace.
- Arrays shall use Price Industries Ltd.'s Hospital Grade Ceiling System (HGWC), see UUT 2 for installation details



Special Seismic Certification
Table 2 - Certified Subcomponents



DCL Project Number: 94144-2501

Model Line: ULTRASUITE® (Alternatively Branded Supersuite)

Certified Seismic Levels: Sds 2.0 g at z/h=1.0 and Sds 2.5 g at z/h=0

Subcomponent Type	Model Number	Manufacturer	Material	Dimension [in.]			Weight [lb.]	Unit
				Depth	Width	Height		
Modules ¹	2x2x12	Price Industries	Aluminum with Polymer Perforated Diffuser Face	24.3	24.3	12.0	28.0	Extrapolated
	2x2x18			24.3	24.3	18.0	28.0	UUT-1, UUT-2
	2x4x12			48.5	24.3	12.0	56.0	Interpolated
	2x4x18			48.5	24.3	18.0	56.0	UUT-2
Remote Driver (Horizontal Mounted)	2 Drivers-H	Price Industries	Carbon Steel Panel	11.4	15.5	5.0	15	Extrapolated
	4 Drivers-H			22.6	15.5	5.0	29	UUT-1
	6 Drivers-H			33.7	15.5	5.0	43	Interpolated
	8 Drivers-H			44.8	15.5	5.0	57	Interpolated
	10 Drivers-H			55.9	15.5	5.0	71	Interpolated
	12 Drivers-H			67.1	15.5	5.0	85	UUT-2
Remote Driver (Vertical Mounted)	2 Drivers-V	Price Industries	Carbon Steel Panel	11.4	15.5	5.0	15	Extrapolated
	4 Drivers-V			22.6	15.5	5.0	29	UUT-1
	6 Drivers-V			33.7	15.5	5.0	43	Interpolated
	8 Drivers-V			44.8	15.5	5.0	57	Interpolated
	10 Drivers-V			55.9	15.5	5.0	71	Interpolated
	12 Drivers-V			67.1	15.5	5.0	85	UUT-2
Low Voltage Terminal Block	KT3	Magnum	Plastic Housing	1.2	1.9	1.3	<1	UUT-1, UUT-2
High Voltage Terminal Block	TB300-02QC6	Bussman	Plastic Housing	2.1	1.3	0.8	<1	UUT-1
	TB300-03QC6			2.7	1.3	0.8	<1	UUT-2 ²
	TB300-04QC3			3.3	1.3	0.8	<1	Interpolated ³
	TB300-04QC16			3.3	1.3	0.8	<1	UUT-2 ³
LED Driver	HLG-100H24B	Mean Well	Carbon Steel Housing	8.7	2.7	1.5	3	UUT-1, UUT-2
Solid State Relay	KSI600D60-L	Kudom	Plastic Housing	2.3	1.9	0.8	<1	UUT-1, UUT-2

Note:

1. UUT-1 was one 2x2x18 standalone module. UUT-2 had four 2x2x18 modules and seven 2x4x18 modules.
2. The TB300-03QC6 High Voltage Terminal Block tested in UUT-2 was factory-wired with TB300-02QC6
3. Low voltage field connections

Special Seismic Certification
Table 3 - Tested Units



DCL Project Number: 94144-2501

Manufacturer: Price Industries Ltd.

Model Line: ULTRASUITE® (Alternatively Branded Supersuite)

Product Type: Air Terminal Device

Certified Product Construction: 14 GA. Aluminum Plenum, extruded aluminum outer frame, tig welded plenum, diffuser face and outer frame.

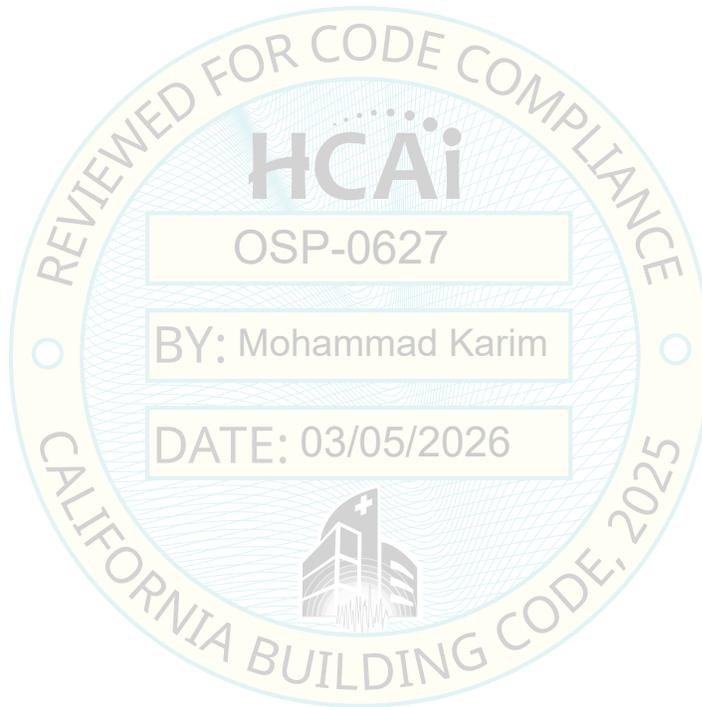
Certified Options Summary: Remote driver

Mounting: Ceiling Suspended

Certified Seismic Levels: Sds 2.0 g at z/h=1.0 and Sds 2.5 g at z/h=0

Factors for Force Amplification and Structure Ductility Reduction: $H_f = 3.5$ at z/h=1.0; 1.0 at z/h=0 and $R_p = 1.3$ at z/h=1.0; 1.0 at z/h=0

Model Line	Description	Dimensions [in.]			Weight [lb.]	Unit
		Depth	Width	Height		
UltraSuite (Alternatively Branded Supersuite)	Single Modular Unit w/ vertical and horizontal Remote Driver, 84lb. weight with mounting hardware	24.0	24.0	18.0	54	UUT-1
	Ganged Modular Unit w/ horizontal and vertical Remote Driver, Seven (7) 18"x24"x48 modules and four (4) 18"x24"x24" modules, 959lb. weight with mounting hardware	170.5	97.8	18.0	793	UUT-2



UNIT UNDER TEST (UUT) Summary Sheet



UUT-1

ETL Report Number: 15437, Rev. 1 AC156 Seismic Certification Test Report

Test Dates: 9/4/2019 and 9/6/2019

Manufacturer: Price Industries Ltd.

Product Line: ULTRASUITE® (Alternatively Branded Supersuite)

Model Number: ULTRASUITE - Stand Alone Modular Unit

Product Construction Summary: 14 GA. Aluminum Plenum, extruded aluminum outer frame, tig welded plenum, diffuser face and outer frame.

Options / Component Summary: Single module (2x2x18) manufactured by Price from Aluminum with Polymer Perforated Diffuser Face. Price Industries Carbon Steel Panel 4 Driver-H, 4 Driver-V. Magnum Plastic Housing Low Voltage Terminal Block (KT3). Bussman Plastic Housing High Voltage Terminal Block (TB300-02QC6). Mean Well Carbon Steel Housing LED Drivers (HLG-100H24B). Kudom Plastic Housing Solid State Relay (KSI600D60-L).

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
54	24.0	24.0	18.0	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	S _{ds} (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.00	1.0	3.5	1.3	1.5	3.20	2.40	N/A	N/A
	AC156-24	2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

Unit was mounted to the ceiling mount test fixture using four (4) 3/8" -A307 threaded rods and Mason UCC 1 rod, two (2) per 3" threaded rod/Unistrut assembly. Each rod/Unistrut assembly attached to the fixture with two (2) 3/8" nuts and two (2) 3/8" washers. Two (2) Mason SCB-0/SCBH-0 cable assemblies (pre-stretched gal. aircraft cable 3/32"φ) were used to support the unit. Cables were hung at 45° (±15°).



UNIT UNDER TEST (UUT) Summary Sheet



UUT-2

ETL Report Number: 15437, Rev. 1 AC156 Seismic Certification Test Report

Test Dates: 9/4/2019 and 9/6/2019

Manufacturer: Price Industries Ltd.

Product Line: ULTRASUITE® (Alternatively Branded Supersuite)

Model Number: ULTRASUITE - Ganged Modular Units

Product Construction Summary: 14 GA. Aluminum Plenum, extruded aluminum outer frame, tig welded plenum, diffuser face and outer frame.

Options / Component Summary: Four (4) modules (2x2x18) and seven (7) modules (2x4x18) array manufactured by Price from Aluminum with Polymer Perforated Diffuser Face. Price Industries Carbon Steel Panel 12 Driver-H, 12 Driver-V. Magnum Plastic Housing Low voltage terminal block (KT3). Bussman Plastic Housing High Voltage Terminal Blocks (TB300-03QC6 and TB300-04QC16). Mean Well Carbon Steel Housing LED Drivers (HLG-100H24B). Kudom Plastic Housing Solid State Relay (KSI600D60-L).

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
793	170.5	97.8	18.0	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.00	1.0	3.5	1.3	1.5	3.20	2.40	N/A	N/A
	AC156-24	2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

UUT was mounted to ceiling mount test fixture with sixteen (16) 1/2" A307 threaded rod and Mason UCC-1 rod clamps, two (2) used per 3' threaded rod/Unistrut assembly. Each rod/Unistrut assembly attached to the fixture with two (2) 1/2" nuts and two (2) 1/2" washers. Sixteen (16) Mason SCB-2/SCBH-2 cable assemblies (pre stretched gal. aircraft cable 3/16"Ø) were used to support the unit. Cables were hung at 45° (±15°).

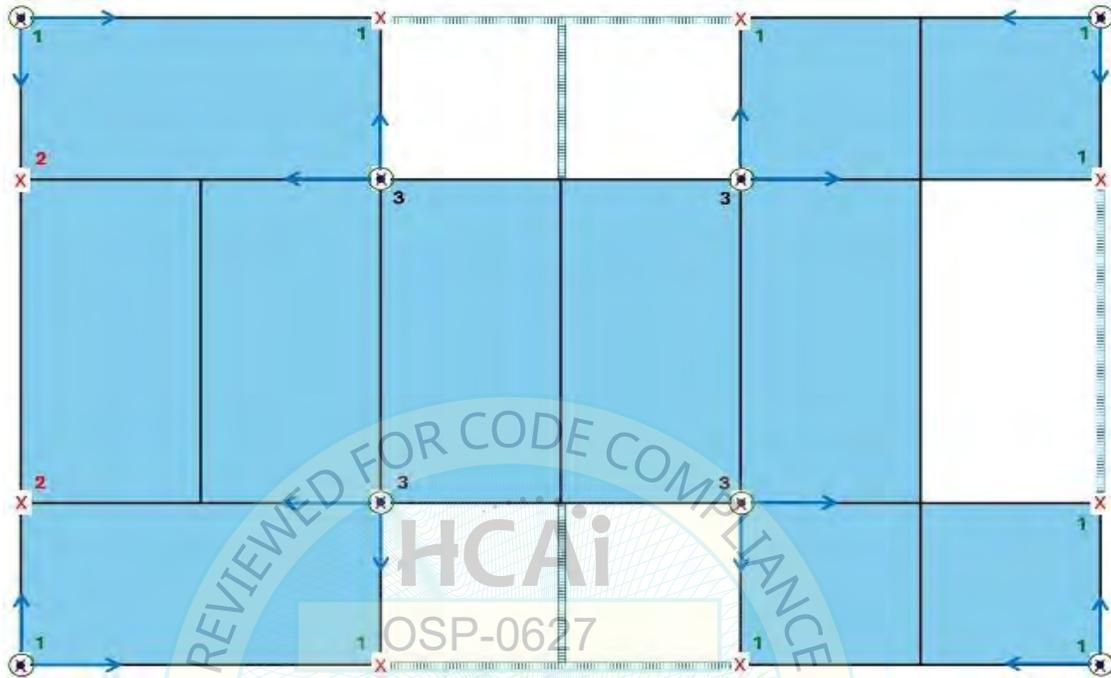
DATE: 03/05/2026



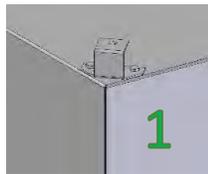
UNIT UNDER TEST (UUT) Summary Sheet

UUT-2

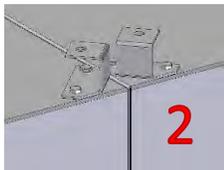
Mounting Parameters for UUT-02:



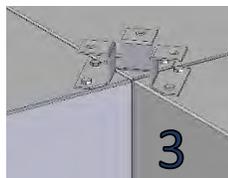
- 1/2 " A307 THREADED ROD / 2.5" UNISTRUT ASSEMBLY AND MOUNTING BRACKET
- MASON SCB2/SCBH2 CABLE BRACES. Max distance from any portion of unit to cables = 4'
- PRICE INDUSTRIES (PN: 5116-Full Tee, 5117-Half Tee), 6060-T5 Aluminum HOSPITAL GRADE WELDED CEILIN SYSTEM (HGWC)
- Bracing Direction for tested unit
 - Attachment to ceiling fixture
 - Attachment to test unit



(1) Price bracket at each location marked with a 1.



(2) Price bracket at each location marked with a 2.



(3) Price bracket at each location marked with a 3.