



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

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

OFFICE USE ONLY

**APPLICATION #: OSP-0378**

**HCAI Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Price Industries Limited

Manufacturer's Technical Representative: Tom Wilson

Mailing Address: 1290 Barrow Industrial Parkway, Winder, GA 30680

Telephone: (470) 487-5676

Email: timw@priceindustries.com

**Product Information**

Product Name: Air Conditioning Units

Product Type: Fan Coil Units

Product Model Number: FCHC, FCHP, FCHE, FCHG, FCHGQ, BCH, BCHQ

General Description: Catalogued Fan Coil Units in standardized sizes with coil configurations in several optional types.

Mounting Description: Ceiling suspended, rigidly on hanger rods, or Spring Vibration Isolated on Hanger Rods with cable seismic sway bracing.

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: The VMC Group

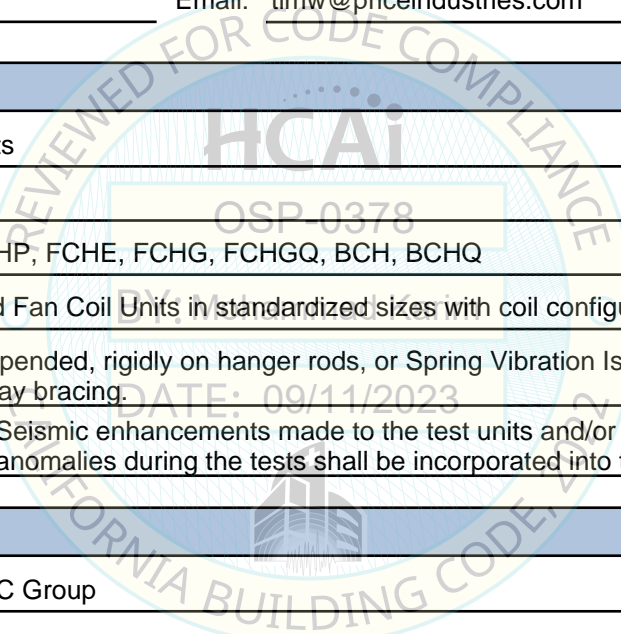
Contact Person: John Giuliano

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: (973) 838-1780

Email: john.giuliano@thvmcgroup.com

Title: PE





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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

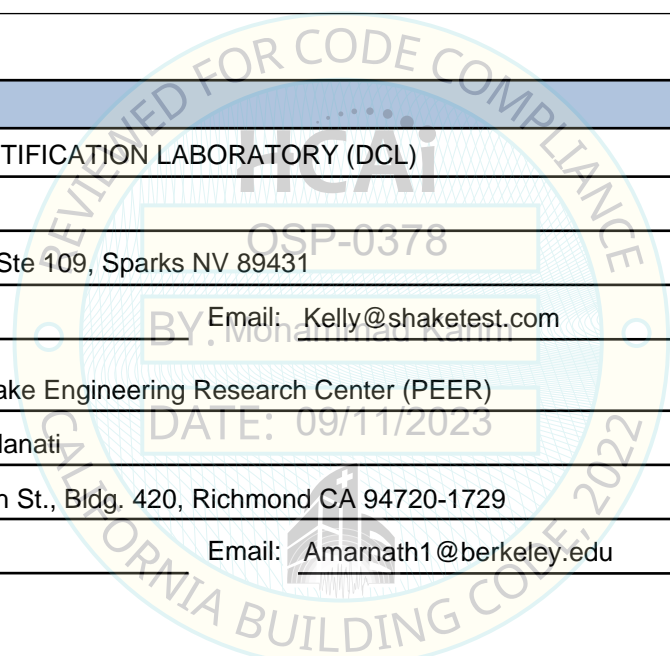
**Certification Method**

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

**Testing Laboratory**

Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)  
Contact Person: Kelly Laplace  
Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431  
Telephone: (775) 358-5085 Email: Kelly@shaketest.com

Company Name: Pacific Earthquake Engineering Research Center (PEER)  
Contact Person: Amarnath Kasalanati  
Mailing Address: 1301 South 46th St., Bldg. 420, Richmond CA 94720-1729  
Telephone: (510) 642-3437 Email: Amarnath1@berkeley.edu





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**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 4.5 (SDS=2, z/h = 1, Rp=2), 1.5 (SDS=2, z/h = 1, Rp=6), 1.88 (SDS=2.5, z/h = 0, Rp=2), 1.13 (SDS=2.5, z/h = 0, Rp=6)

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SDS (Design spectral response acceleration at short period, g) = 2.5 @ z/h = 0, 2.0 @ z/h = 1.0

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$a_p$  (Amplification factor) = 2.5

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$R_p$  (Response modification factor) = 6.0 (non-Isolated); 2.0 (Isolated)

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$\Omega_0$  (System overstrength factor) = 2.0

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$I_p$  (Importance factor) = 1.5

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

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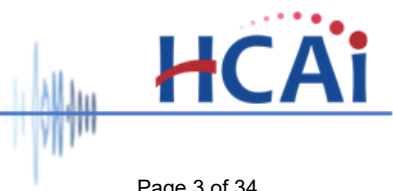
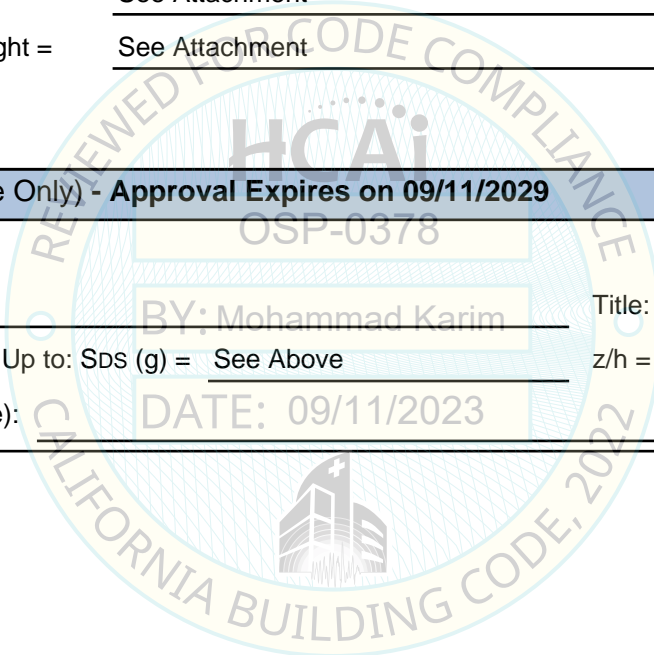
Natural frequencies (Hz) = See Attachment

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Overall dimensions and weight = See Attachment

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<b>HCAI Approval (For Office Use Only) - Approval Expires on 09/11/2029</b>			
Date:	<u>9/11/2023</u>		
Name:	<u>Mohammad Karim</u>	BY: <u>Mohammad Karim</u>	Title: <u>Supervisor, Health Facilities</u>
Special Seismic Certification Valid Up to:	SDS (g) = <u>See Above</u>	z/h = <u>See Above</u>	
Condition of Approval (if applicable):	<u>DATE: 09/11/2023</u>		



**Table 1 - Certified Components**

Product Family	Model	Size	Height	Width	Max Length	Max Weight [ lb ]	Non-Isolated	Isolated	Sds [ g ]	z/h
			[ in ]							
Horizontal Fan Coils	FCHC	2	10.4	19.5	27.4	35	UUT-9A	UUT-9B	SDS = 2.0 @ z/h = 1.0  &  SDS = 2.5 @ z/h = 0.0	
		3	10.6	37.4	22.5	50	UUT-1A	UUT-1B		
		4	10.6	37.375	24.5	69	interpolated	interpolated		
		6	10.6	43.375	24.5	79	interpolated	interpolated		
		8	10.6	51.375	24.5	98	interpolated	interpolated		
		10	10.6	63.375	24.5	127	interpolated	interpolated		
		12	10.6	71.375	24.5	143	interpolated	interpolated		
	FCHP	2	10.6	27.375	24.5	56	interpolated	interpolated		
		3	10.6	31.375	24.5	69	interpolated	interpolated		
		4	10.6	37.375	24.5	82	interpolated	interpolated		
		6	10.6	43.375	24.5	94	interpolated	interpolated		
		8	10.6	51.375	24.5	117	interpolated	interpolated		
		10	10.6	63.375	24.5	150	interpolated	interpolated		
		12	10.6	71.8	24.8	135	UUT-2A	UUT-2B		
	FCHE	12	10.4	71.4	22.5	161	UUT-10A	UUT-10B		
		2	12.0	36	30	120	interpolated	n/a		
		3	12.0	40	30	135	interpolated	n/a		
		4	12.0	46	30	155	interpolated	n/a		
		6	12.0	52	30	175	interpolated	n/a		
		8	12.0	60	30	205	interpolated	n/a		
		10	12.0	72	30	245	interpolated	n/a		
Horizontal High Performance Fan Coils	FCHG	12	12.0	80	30	251	UUT-11A	n/a		
		20	13.5	35	97.69	195	extrapolated	extrapolated		
		30	13.5	35	97.69	195	UUT-4A	UUT-4B		
		40	15.5	40	97.69	220	interpolated	interpolated		
		50	13.5	56	100.19	300	interpolated	interpolated		
		60	15.5	62	100.19	360	interpolated	interpolated		
	FCHGQ	70	15.5	74	121.19	470	interpolated	interpolated		
		20	13.5	35	133.69	165	UUT-5A	UUT-5B		
		20	13.5	35	133.69	265	interpolated	n/a		
		30	13.5	35	133.69	265	interpolated	n/a		
		40	15.5	40	133.69	305	interpolated	n/a		
		50	13.5	56	136.19	420	interpolated	n/a		
		60	15.5	62	136.19	510	interpolated	n/a		
		70	15.5	74	157.19	720	UUT-6A	n/a		
Horizontal Blower Coils	BCH	8	15.5	30	82.00	275	UUT-7A	UUT-7B		
		8	15.5	30	43	140	UUT-12A	UUT-12B		
		12	15.5	38	82	338	interpolated	interpolated		
		16	19.0	44	84.5	421	interpolated	interpolated		
		20	19.0	50	84.5	451	interpolated	interpolated		
		30	25.0	52	98.5	633	interpolated	interpolated		
		40	25.0	65	50	630	UUT-13A	UUT-13B		
	BCHQ	8	15.5	30	118	325	interpolated	interpolated		
		12	15.5	38	118	390	interpolated	interpolated		
		16	19.0	44	120.5	495	interpolated	interpolated		
		20	19.0	50	120.5	550	interpolated	interpolated		
		30	25.0	52	134.5	760	interpolated	interpolated		
		40	25.0	65	134.5	945	UUT-8A	UUT-8B		

**Notes:**

1. Mountings are ceiling suspended
2. UUT-7 and UUT-8 are belt drive, all others are direct drive.

**Table 2 - External Sheeting**

EXTERIOR Wall/Roof/Floor Panel Material	Thickness	UUT	
		Non-Isolated	Isolated
Galvanized Carbon Steel	18 ga	UUT-7A, UUT-8A	UUT-7B, UUT-8B
		UUT-12A, UUT-13A	UUT-12B, UUT-13B
Galvanized Carbon Steel	20 ga	UUT-1A, UUT-2A, UUT-4A, UUT-5A, UUT-6A	UUT-1B, UUT-2B, UUT-4B, UUT-5B, UUT-6B
		UUT-9A, UUT-10A, UUT-11A	UUT-9B, UUT-10B

**Table 3 - Insulation**

MFR	Insulation	Liner	Thickness	UUT	
				Non-Isolated	Isolated
Johns Manville	Fiberglass	N/A	0.5	UUT-2A, UUT-4A	UUT-2B, UUT-4B
Johns Manville			1.000	UUT-10A	UUT-10B
Johns Manville	Fiberboard	N/A	0.625	UUT-13A	UUT-13B
Johns Manville			1.000	Extrapolated	Extrapolated
Johns Manville	Fiberglass	Solid Metal	0.500	UUT-7A	UUT-7B
Johns Manville			1.000	UUT-5A	UUT-5B
Johns Manville			1.000	UUT-8A	UUT-8B
Johns Manville			1.000	UUT-13A	UUT-13B
Johns Manville	Fiberglass	Perforated Metal	0.500	UUT-6A	UUT-6B
Nomaco	Fiberfree	N/A	0.500	Extrapolated	Extrapolated
Nomaco			1.000	UUT-12A	UUT-12B

## Table 4 - Hydronic Coils

**Material:** Galvanized Carbon Steel (Casing), Copper (Tubes and Header), Aluminum (Fins)

MFR	Dimensions		Coil Row Qty	Pipe Qty	Weight [ lb ]	UUT	
	Height [in.]	Width [in.]				Non-Isolated	Isolated
Price	8.75	16-25	1-6	2, 4	Min: 5 Max: 20	UUT-9A	UUT-9B
		25	2	2	12	UUT-1A	UUT-1B
		25-50	1-6	2, 4	Min: 12 Max: 60	Interpolated	Interpolated
		50	4	4	55	Interpolated	Interpolated
		50-60	1-6	2, 4	Min: 12 Max: 65	Interpolated	Interpolated
		60	7	4	80	UUT-10A, UUT-11A	UUT-10B
	10	21	6	2	25	UUT-4A	UUT-4B
		21	1	2	16	UUT-5A	UUT-5B
	10	21-60	1-8	2, 4	Min: 16 Max:85	Interpolated	Interpolated
	12.5	21-60	1-8	2, 4	Min: 20 Max: 90	Interpolated	Interpolated
	12.5	60	6	4	80	UUT-6A	Interpolated
	12.5	22	1	2	10	UUT-12A	UUT-12B
	12.5-21.25	22-56	1-10	2, 4	Min: 10 Max: 200	UUT-7A & UUT-8A - 8 row	UUT-7B & UUT-8B - 8 row
	21.25	56	10	4	200	UUT-13A	UUT-13B

Note: Tube outer diameter is 0.5" , tube wall thickness is 0.016", fin thickness is 0.0045"

DATE: 09/11/2023





**Table 5 - Fan Motor**

MFR	Type	HP	Tested Voltage (V) - Phase	Certified Voltage (V) -Phase	Speeds	Weight [ lb ]	UUT	
							Non-Isolated	Isolated
Genteq	Permanent Split Capacitor	1/30	115 -1	115/208/240/277 -1	3	10	UUT-1A	UUT-1B
		1/10	208/240 -1	115/208/240/277 -1	3	10	UUT-2A	UUT-2B
		1/8	115 -1	115/208/240/277 -1	3	10	UUT-5A	UUT-5B
		1/4	interpolated	115/208/240/277 -1	3	15	Interpolated	Extrapolated
		1/2	115 -1	115/208/240/277 -1	3	20	UUT-6A	Extrapolated
	Electronically Commutated Motor	1/15	208/240 -1	115/208/240/277 -1	3	10	Extrapolated	Extrapolated
		1/8	208/240 -1	115/208/240/277 -1	3	15	UUT-3A	UUT-3B
		1/4	208/240 - 1	115/208/240/277 -1	3	10	UUT-9A, UUT-10A, UUT-11A	UUT-9B, UUT-10B
		1/3	208/240 -1	115/208/240/277 -1	3	10	UUT-4A	UUT-4B
		1/2	interpolated	115/208/240/277 -1	3	15	Interpolated	Interpolated
Broad Ocean	Electronically Commutated Motor	3/4	208/240 -1	115/208/240/277 -1	3	20	UUT-6A	Interpolated
		1.0	277 - 1	115/208/240/277 -1	3	30	UUT-13A	UUT-13B
Broad Ocean	Electronically Commutated Motor	1/2	208/230 - 1	115/208/240/277 -1 1/208-3/460-3	3	15	UUT-12A	UUT-12B
		1	208/230 - 1	115/208/240/277 -1 1/208-3/460-3	3	30	UUT-13A	UUT-13B
Marathon	Permanent Split Capacitor	1/2	extrapolated	115/208/240/277 -1	1	23	Extrapolated	Extrapolated
		3/4	115 -1	115/208/240/277 -1	1	27	UUT-7A	UUT-7B
		1.0	interpolated	115/208/240/277 -1	1	31	Interpolated	Interpolated
		1.5	interpolated	115/208/240/277 -1	1	37	Interpolated	Interpolated
		3/4	interpolated	208/230/460/575 - 3	1	31	Interpolated	Interpolated
		1.0	interpolated	208/230/460/575 - 3	1	42	Interpolated	Interpolated
		1.5	interpolated	208/230/460/575 - 3	1	44	Interpolated	Interpolated
		2.0	interpolated	208/230/460/575 - 3	1	47	Interpolated	Interpolated
		3.0	interpolated	208/230/460/575 - 3	1	87	Interpolated	Interpolated
		5.0	460 -3	208/230/460/575 - 3	1	89	UUT-8A	UUT-8B

## Table 6a - Housed Fans (Direct Drive)

**Material:** Galvanized Steel (Wheel and Housing)

MFR	Fan Size [ Dia.x W ]	Fan Weight [ lb ]	Motor HP	Motor Weight [ lb ]	Fan Class	UUT	
						Non-Isolated	Isolated
Yilida	6" x 6"	7	1/30	7	1	UUT-1A	UUT-1B
	6" x 6"	7	1/10	10	1	UUT-2A	UUT-2B
	6" x 6"	7	1/15 & 1/8	10	1	Interpolated	Interpolated
	6" x 8"	9	1/4	10	1	UUT-10A	UUT-10B
Beckett	6" x 6"	7	1/4	10	1	UUT-9A	UUT-9B
	6" x 8"	9	1/4	10	1	UUT-11A	N/A
Morrison	9" x 4"	12	1/8	10	1	UUT-5A	UUT-5B
	10" x 4"	15	1/2	15	1	UUT-4A	UUT-4B
	12" x 6"	25	3/4	17	1	UUT-6A	Interpolated
	10" x 6"	15	1/2	15	1	UUT-12A	UUT-12B
	10" x 10"	20	3/4	20	1	Interpolated	Interpolated
	12" x 11"	30	1	30	1	UUT-13A	UUT-13B

## Table 6b - Housed Fans (Belt Drive)

**Material:** Galvanized Steel (Wheel, Housing, and Fan Base)

Fan MFR	Fan Size (Dia x Width)	Fan Weight [ lb ]	Motor HP	Motor Weight	Fan Class	UUT	
						Non-Isolated	Isolated
BCH	9" x 6"	15	1	30 lbs	1	UUT-7A	UUT-7B
BCHQ	15" x 9"	50	5	75 lbs	1	UUT-8A	UUT-8B



**Table 7 - Flat Filter Rack and Options**

MFR	Type	Frame Material Options	Dimensions		UUT	
			Width	Height	Non-Isolated	Isolated
Price	Bottom Slide-In w/ Bend Tabs	Galvanized Carbon Steel	25"	10"	UUT-2A	UUT-2B
	Bottom Slide-In w/ Rotary Latch	Galvanized Carbon Steel	60"	10"	UUT-10A	UUT-10B
	Swing-Down Access Panel	Painted Cold Rolled Carbon Steel	60"	10"	Interpolated	Interpolated
	Side Access Slide-In	Galvanized Carbon Steel	21"	10"	UUT-4A	UUT-4B
	Side Access Slide-In	Galvanized Carbon Steel	21"	10"	UUT-5A	UUT-5B
	Side Access Slide-In	Galvanized Carbon Steel	60"	12"	UUT-6A	Interpolated
	Side Access Slide-In	Galvanized Carbon Steel	22"	15"	UUT-7A	UUT-6B
	Side Access Slide-In	Galvanized Carbon Steel	55"	24"	UUT-8A	UUT-7B
AAF	Media Option (Qty: 2)	Non Woven Synthetic	1" Thick		UUT-2A, UUT-3A	UUT-2B, UUT-3B
	Media Option (Qty: 2)	Non Woven Synthetic	2" Thick		UUT-5A, UUT-6A	UUT-5B
Camfil Farr	Media Option (Qty: 1)	Non Woven Synthetic	1" Thick		UUT-4A	UUT-4B
	Media Option (Qty: 2)	Non Woven Synthetic	2" Thick		UUT-7A, UUT-8A	UUT-7B, UUT-8B

**Table 8 - Electric Heat**

MFR	kW	Tested Voltage (V) - Phase	Certified Voltage (V) - Phase	Weight [ lb ]	UUT	
					Non-Isolated	Isolated
Price	0.5	208/240 -1	115/208/240/277 -1, 208/240/480/600-3	17	UUT-4A	UUT-4B
	1	115 -1	115/208/240/277 -1, 208/240/480/600-3	20	UUT-7A	UUT-7B
	1.5 - 12	interpolated	115/208/240/277 -1, 208/240/480/600-3	25	Interpolated	Interpolated
	13	208/240 -1	115/208/240/277 -1, 208/240/480/600-3	30	UUT-6A	Interpolated
	14 - 35	interpolated	115/208/240/277 -1, 208/240/480/600-3	33	Interpolated	Interpolated
	40	480 -3	115/208/240/277 -1, 208/240/480/600-3	37	UUT-8A	UUT-8B

**Table 9 - Controls**

MFR	Type	Weight	Voltage, Amperage	UUT	
				Non-Isolated	Isolated
Price	FC-PCS3 3 Speed Controller(250000-450)	< 1 lb	N/A	UUT-1A, UUT-2A, UUT-5A	UUT-1B, UUT-2B, UUT-5B
	PIC DDC Controller (250000-110)	< 1 lb		UUT-4A, UUT-6A	UUT-4B
	PIC-FC DDC Controller (250000-210)	< 1 lb		UUT-1A, UUT-2A, UUT-5A, UUT-7A, UUT-8A	UUT-1B, UUT-2B, UUT-5B, UUT-7B, UUT-8B
	VAV Module (250000-160)	< 1 lb		UUT-4A, UUT-6A	UUT-4B
	BACnet Module (250000-360)	< 1 lb	UUT-7A, UUT-8A	UUT-7B, UUT-8B	
	SCR-DAT, 1 Phase	< 1 lb	480V, 10-45A	UUT-4A, UUT-6A	UUT-4B
	Modulating Speed Controller(232953-100)	< 1 lb	N/A	UUT-9A	UUT-9B
	SCR-DAT, 3 Phase	< 1 lb	480V, 10-45A	UUT-7A	UUT-7B

**Table 10 - Disconnect**

MFR	Type	Weight	Voltage Rating	Amperage Rating	UUT	
					Non-Isolated	Isolated
Legrand	Toggle Switch, Single Pole	< 1 lb	115V, 277V	15A	UUT-1A, UUT-5A	UUT-1B, UUT-5B
Legrand	Toggle Switch, Double Pole	< 1 lb	208V, 240V	30A	UUT-2A	UUT-2B
Eaton	Door Interlock Disconnect Switch	< 1 lb	600V	40A/60A/25A	UUT-4A, UUT-6A, UUT-8A	UUT-4B, UUT-7B, UUT-8B

**Table 11 - Fusing**

MFR	Type	Weight	Voltage Rating	Amperage Rating	UUT	
					Non-Isolated	Isolated
Littelfuse	Motor Fuse	< 1 lb	500V	1A - 20A	UUT-1A, UUT-2A, UUT-4A, UUT-5A, UUT-6A	UUT-1B, UUT-2B, UUT-4B, UUT-5B
	Motor Fuse	< 1 lb	600V	7A - 30A	UUT-7A, UUT-8A	UUT-7B, UUT-8B

**Table 12 - Contactors**

MFR	Type	Weight	Voltage Rating	Amperage Rating	UUT	
					Non-Isolated	Isolated
Hartland Controls	Magnetic Contactor, 1 Pole	< 1 lb	24V	30A	UUT-4A, UUT-6A	UUT-4B
	Magnetic Contactor, 3 Pole	< 1 lb	24V	30A	UUT-7A	UUT-7B

**Table 13 - Transformer**

MFR	Model Number	Type	Weight	Voltage Rating	Amperage Rating	UUT	
						Non-Isolated	Isolated
Hartland Controls	HCT-01E, HCT-01D	120/24V Transformer	2 lb	120/24V	40VA/50VA	UUT-1A, UUT-5A, UUT-7A	UUT-1B, UUT-5B, UUT-7B
	HCT-03E, HCT-03D	277/24V Transformer	2 lb	277/24V	40VA/50VA	UUT-5A, UUT-6A	UUT-5B
	HCT-05D	120,277/24V Transformer	2 lb	120,277/24V	50VA	Interpolated	Interpolated
	HCT-09D	208,240/24V Transformer	2 lb	208,240/24V	50VA	UUT-2A, UUT-4A	UUT-2B, UUT-4B
	HCT-51D	347/24V Transformer	2 lb	347/24V	50VA	Interpolated	Interpolated
	HCT-76D	480/24V Transformer	2 lb	480/24V	50VA	Interpolated	Interpolated
	HCT-78D	480,575/24V Transformer	2 lb	480,575/24V	50VA	UUT-8A	UUT-8B

**Table 14 - Relay**

MFR	Type	Weight [ lb ]	Voltage Rating	Amperage Rating	UUT	
					Non-Isolated	Isolated
Hartland Controls	General Purpose Switching Relay	<1	24V - 277V	12A	UUT-1A, UUT-2A, UUT-5A, UUT-6A	UUT-1B, UUT-2B, UUT-5B

**Table 15 - Airflow Switch**

MFR	Type	Weight	Pressure Setting Range	Voltage Rating	Amperage Rating	UUT	
						Non-Isolated	Isolated
Cleveland Controls	Airflow Switch, SPDT	< 1 lb	0.05 in. WC	115V - 277V	15A, 300VA	UUT-7A, UUT-8A	UUT-7B, UUT-8B

## Table 16 - Horizontal Oriented Dampers

**Material:** Galvanized Carbon Steel (Frame and Blades)

MFR	Height	Width	Diameter	Qty	UUT	
	[ in ]				Non-Isolated	Isolated
Price	N/A	N/A	6.00	1	UUT-12A	UUT-12B
	N/A	N/A	8.00	2	Interpolated	Interpolated
	N/A	N/A	9.00	2	UUT-4A	UUT-4B
	N/A	N/A	10.00	1	UUT-13A	UUT-13B
	8.00	16.00	-	2	Interpolated	Interpolated
	8.00	21.00	-	2	Interpolated	Interpolated
	9.00	28.00	-	2	UUT-6A	Interpolated
	9.25	16.25	-	2	UUT-7A	UUT-7B
	9.25	24.25	-	2	Interpolated	Interpolated
	11.25	30.25	-	2	Interpolated	Interpolated
	11.00	36.25	-	2	Interpolated	Interpolated
	16.25	37.25	-	2	Interpolated	Interpolated
	16.25	48.00	-	2	UUT-8A	UUT-8B

Note: Damper actuators by Belimo (as tested in UUT 4A, 4B ,6A, 6B ,7A, 7B, 8A, 8B)

## Table 17 - Accessories

Manufacturer	Description	Materials	Weight [ lb ]	UUT	
				Non-Isolated	Isolated
Price	Mixing Box	Galv Carbon Steel	Min: 30 Max: 100	UUT-4A, UUT-6A, UUT-7A, UUT-8A	UUT-4B, UUT-7B, UUT-8B
	Primary/Fresh Air Inlet	Galv Carbon Steel	7	UUT-5A	UUT-5B
	Inlet Silencer	Galv Carbon Steel	Min: 25 Max: 120	UUT-5A, UUT-6A	UUT-5B
	Discharge Silencer	Galv Carbon Steel	Min: 25 Max: 45	UUT-5A, UUT-6A, UUT-8A	UUT-5B, UUT-8B
	Drain Pan	Galv Carbon Steel	Min: 4 Max: 10	UUT-1A, UUT-2A, UUT-4A, UUT-5A, UUT-6A, UUT-7A, UUT-8A	UUT-1B, UUT-2B, UUT-4B, UUT-5B, UUT-7B, UUT-8B
	Drain Pan	Stainless	Min: 4 Max: 10	UUT 9A, UUT-10A, UUT-11A, UUT-12A, UUT-13A	UUT-9B, UUT-10B, UUT-12B, UUT-13B
	Float Switch	Plastic	<1	UUT-9A	UUT-9B
	Access Panel	Galv Carbon Steel	Min: 5 Max: 12	UUT-4A, UUT-5A, UUT-6A, UUT-7A, UUT-8A	UUT-4B, UUT-5B, UUT-7B, UUT-8B



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-1A

Test Report: PEER STI 2013-22

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHC 03	Price

Product Construction Summary
20 Gauge Galvanized Carbon Steel

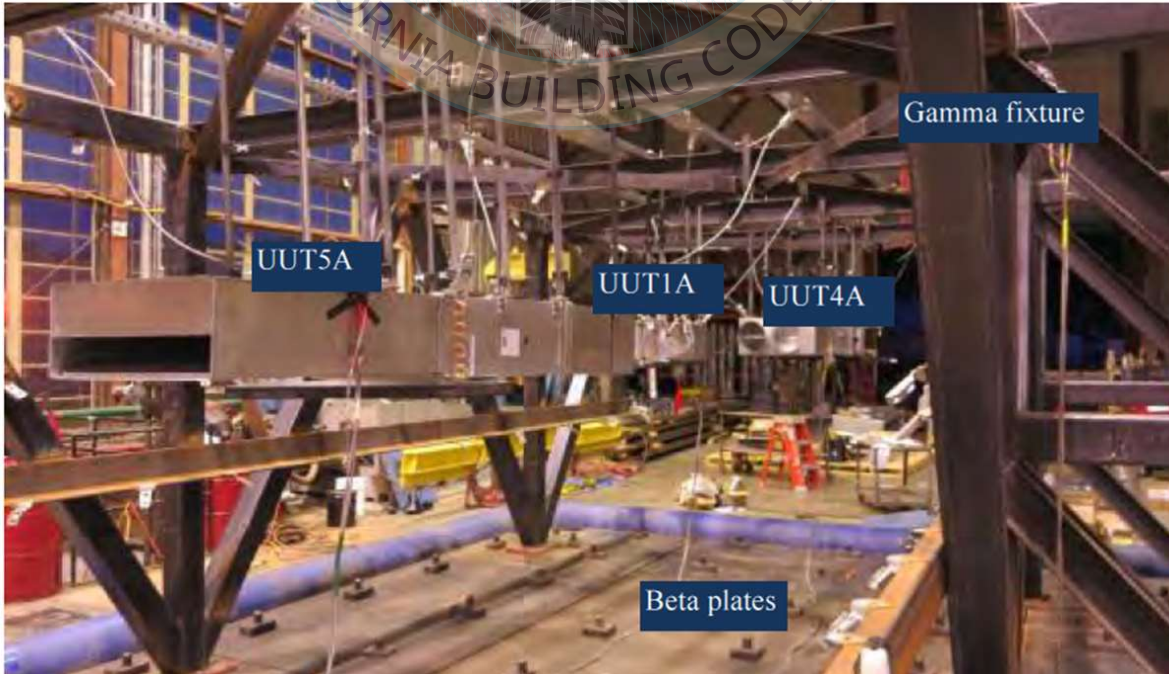
Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
50	22.5	37.4	10.6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>	
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-	
		2.50	0.0	1.5	-	-	1.68	0.68	

**Test Mounting Details**

Ceiling suspended unit, (4) 3/8" A307 rods, (4) L1x1x1/4 Angle Rod Stiffeners, (12) VMC SRBC-1 Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 1/8" Cables



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-1B**

Test Report: PEER STI 2013-23

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHC 03	Price

Product Construction Summary
20 Gauge Galvanized Carbon Steel

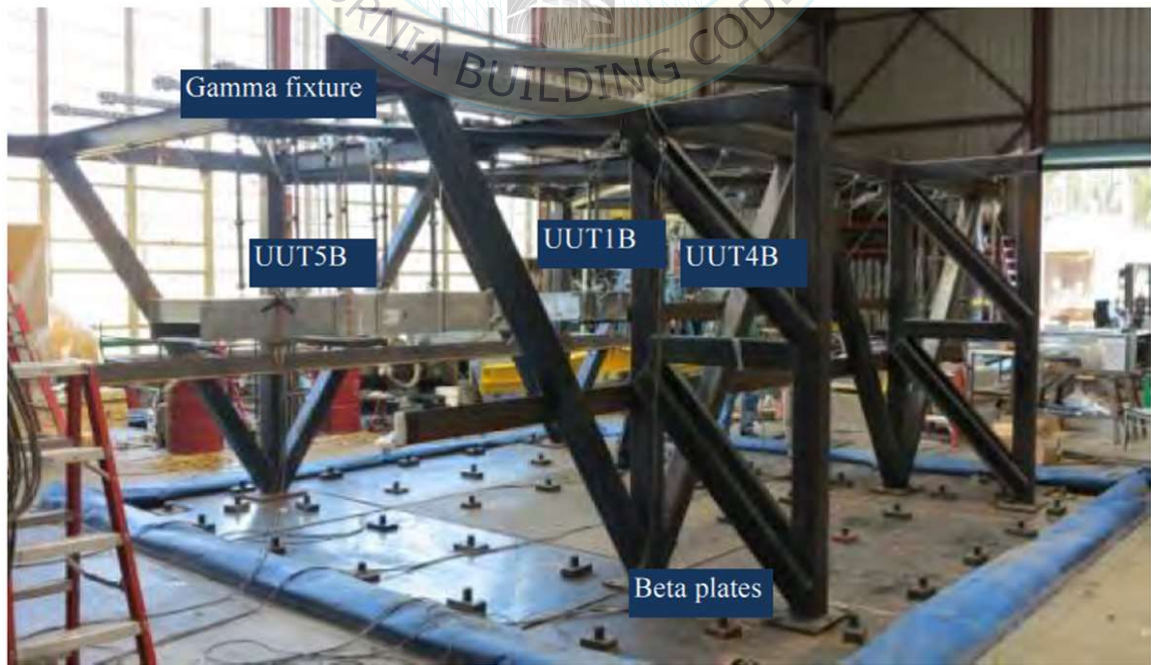
Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
50	22.5	37.4	10.6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>	
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-	
		2.50	0.0	1.5	-	-	1.68	0.68	

**Test Mounting Details**

Ceiling suspended unit, (4) 3/8" A307 rods, (4) L1x1x1/4 Angle Rod Stiffeners, (12) VMC SRBC-1 Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 1/8" Cables, (4) VMC HRSA-1B-20 Hanger Box Vibration Isolators



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-2A**

Test Report: PEER STI 2013-24

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHP 12	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

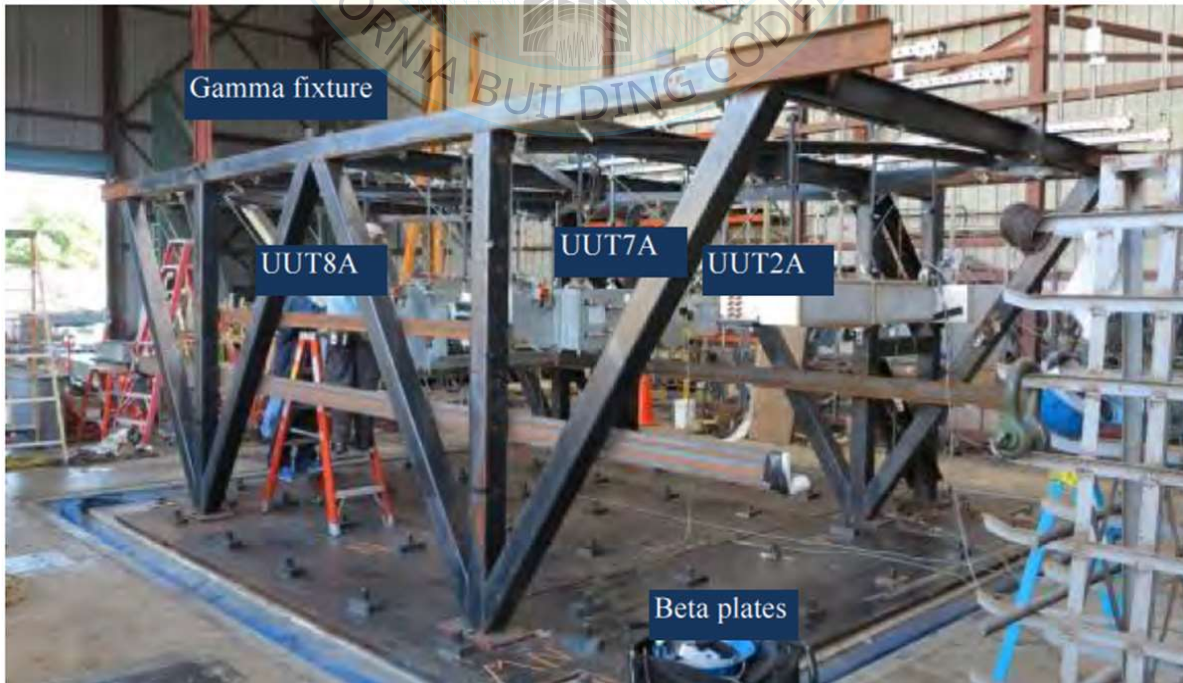
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
135	24.8	71.8	10.6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 3/8" A307 rods, (4) L1x1x1/4 Angle Rod Stiffeners, (12) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-2B**

Test Report: PEER STI 2013-25

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHP 12	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
135	24.8	71.8	10.6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 3/8" A307 rods, (4) L1x1x1/4 Angle Rod Stiffeners, (12) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables, (4) VMC HRSA-1B-50 Hanger Box Vibration Isolators



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-4A**

Test Report: PEER STI 2013-28

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHG 30	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

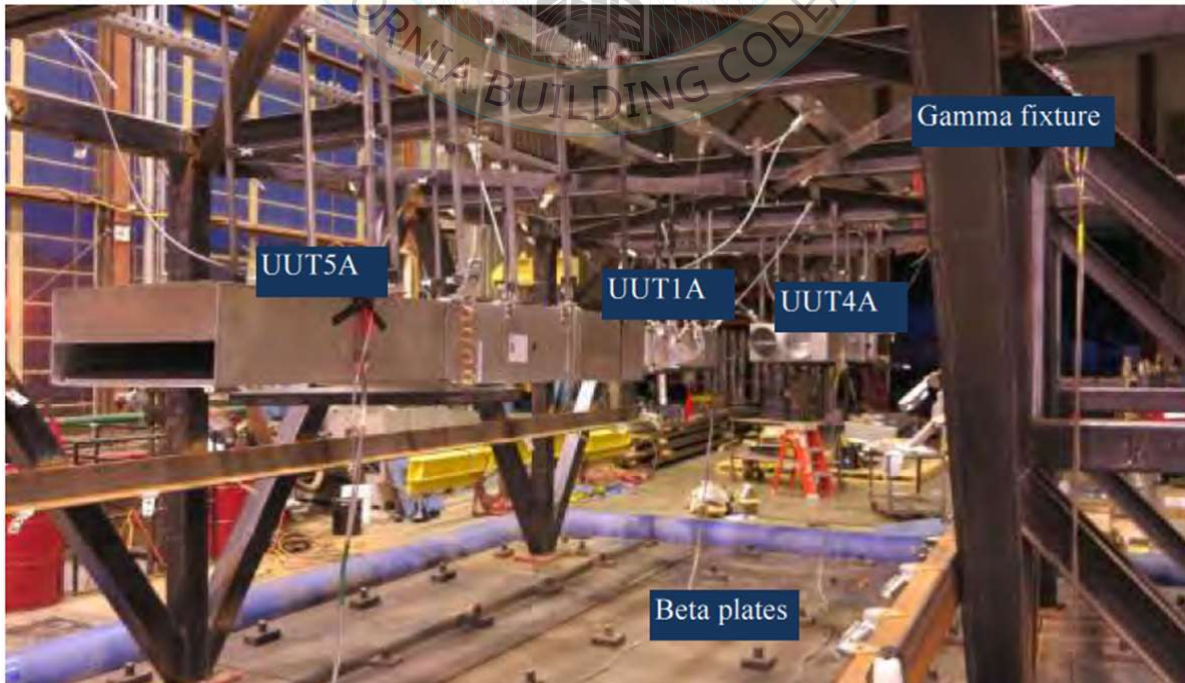
Cabinet, Housed Fan, Coil, Electric Heater, Mixing Box

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
195	97.7	35.0	13.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>	
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-	
		2.50	0.0	1.5	-	-	1.68	0.68	

**Test Mounting Details**

Ceiling suspended unit, (6) 3/8" A307 rods, (6) L1x1x1/4 Angle Rod Stiffeners, (18) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-4B**

Test Report: PEER STI 2013-29

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHG 30	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

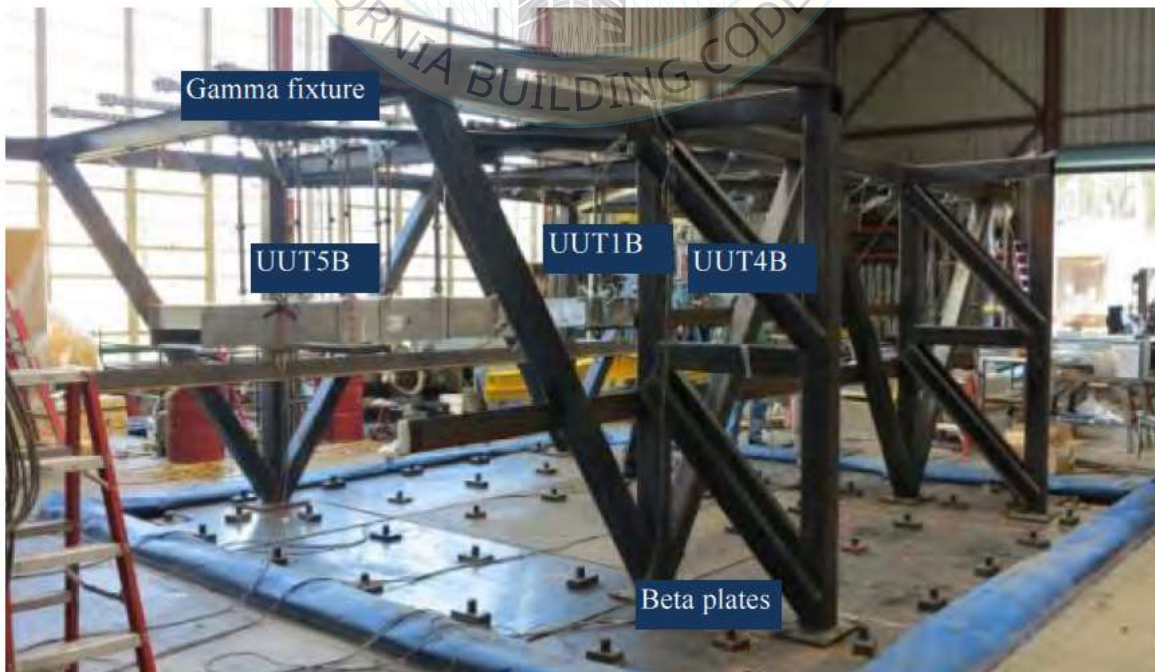
Cabinet, Housed Fan, Coil, Electric Heater, Mixing Box

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
195	97.7	35.0	13.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (6) 3/8" A307 rods, (6) L1x1x1/4 Angle Rod Stiffeners, (18) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables, (6) VMC HRSA-1B-35 Hanger Box Vibration Isolators



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-5A

Test Report: PEER STI 2013-30

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHGQ 20	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

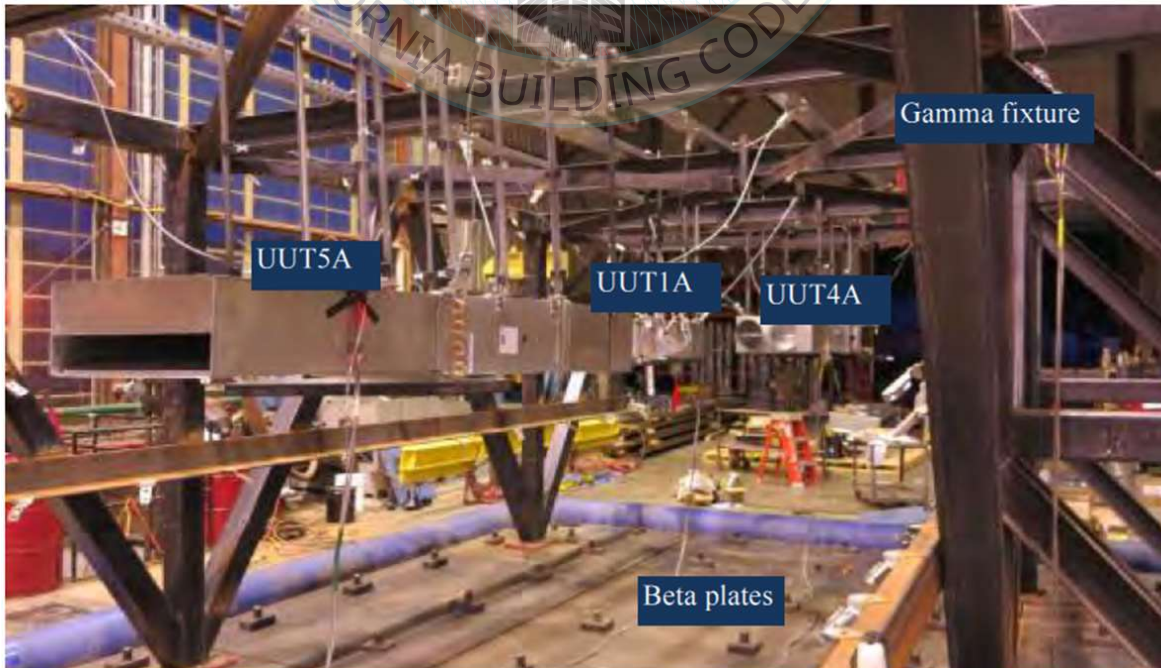
Cabinet, Housed Fan, Coil, Discharge Silencer, Fresh Air Inlet

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
165	133.7	35.0	13.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (10) 3/8" A307 rods, (10) L1x1x1/4 Angle Rod Stiffeners, (30) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-5B**

Test Report: PEER STI 2013-31

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHGQ 20	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

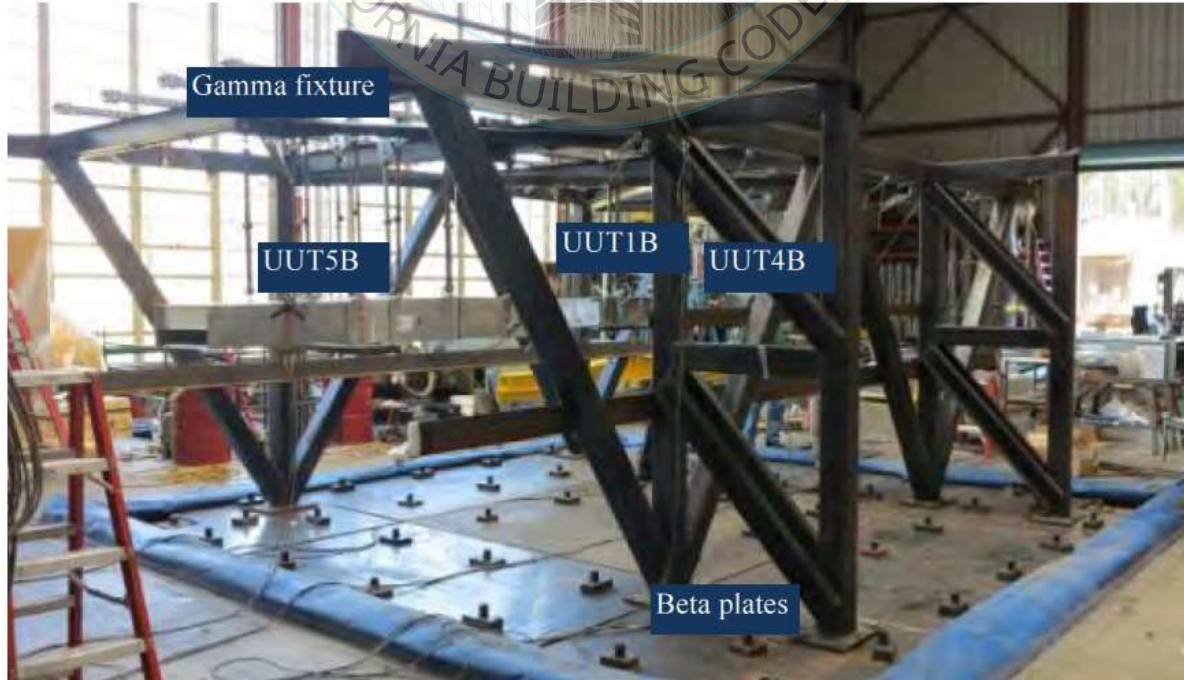
Cabinet, Housed Fan, Coil, Discharge Silencer, Fresh Air Inlet

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
165	133.7	35.0	13.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (10) 3/8" A307 rods, (10) L1x1x1/4 Angle Rod Stiffeners, (30) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables, (10) VMC HRSA-1B-35 Hanger Box Vibration Isolators



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-6A**

Test Report: PEER STI 2013-32

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHGQ 70	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

Cabinet, Housed Fan, Coil, Electric Heater, Mixing Box, Inlet Silencer, Discharge Silencer

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
720	157.2	74.0	15.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (10) 5/8" A307 rods, (10) L1x1x1/4 Angle Rod Stiffeners, (30) VMC SRBC-1 Rod Clamps, (8) VMC SB-250 Cable Brackets, (8) 1/4" Cables



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-7A**

Test Report: PEER STI 2013-33

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCH 8	Price

**Product Construction Summary**

18 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

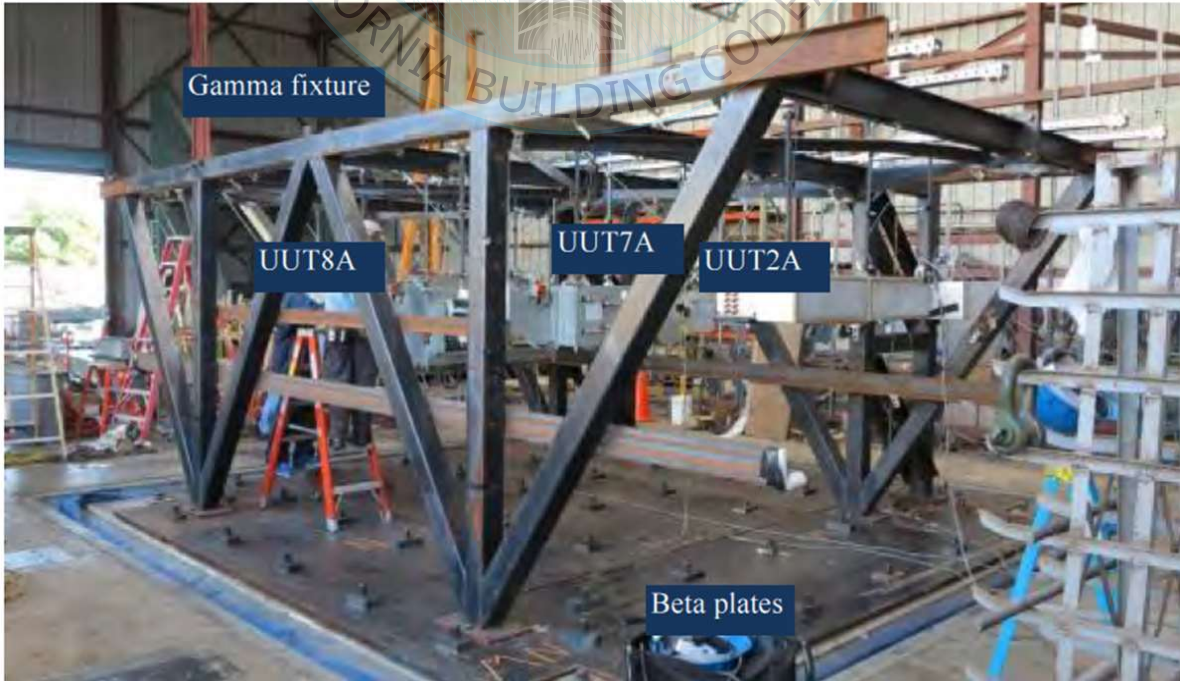
Cabinet, Housed Fan, Coil, Electric Heater, Mixing Box

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
275	82.0	30.0	15.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (8) 3/8" A307 rods, (8) L1x1x1/4 Angle Rod Stiffeners, (24) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-7B**

Test Report: PEER STI 2013-34

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCH 8	Price

**Product Construction Summary**

18 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

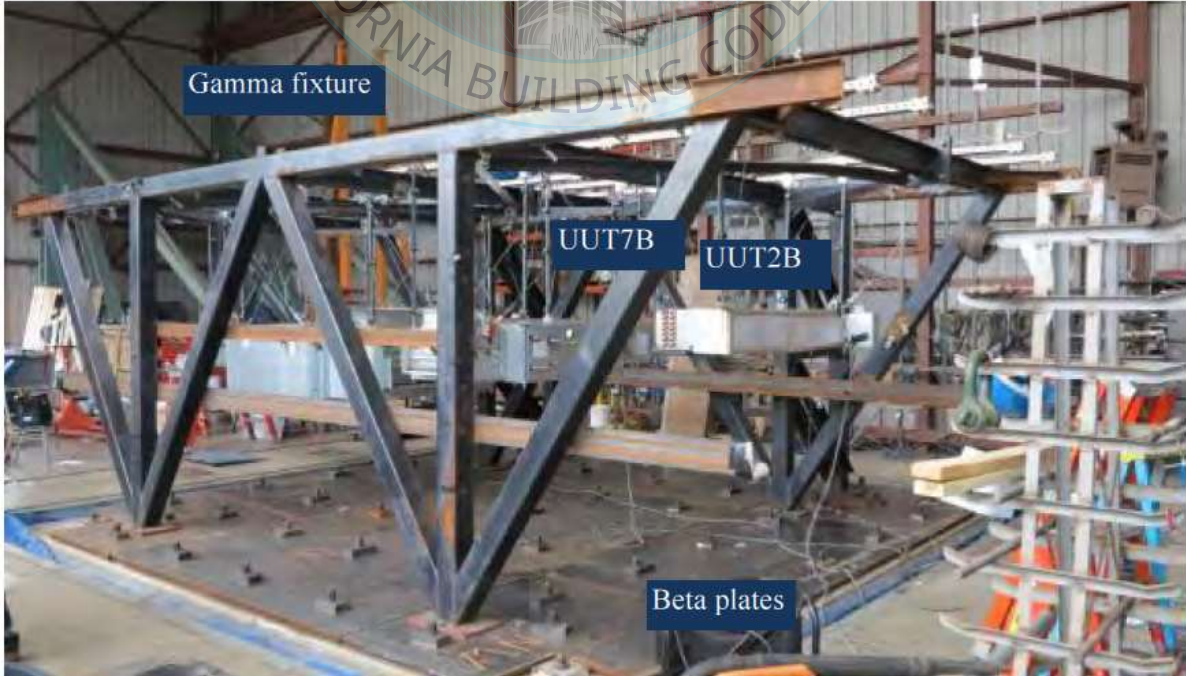
Cabinet, Housed Fan, Coil, Electric Heater, Mixing Box

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
275	82.0	30.0	15.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (6) 5/8" A307 rods, (6) L1x1x1/4 Angle Rod Stiffeners, (18) VMC SRBC-1 Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables, (6) VMC HRSA-1B-50 Hanger Box Vibration Isolators



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-8A**

Test Report: PEER STI 2013-35

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCHQ 40	Price

**Product Construction Summary**

18 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

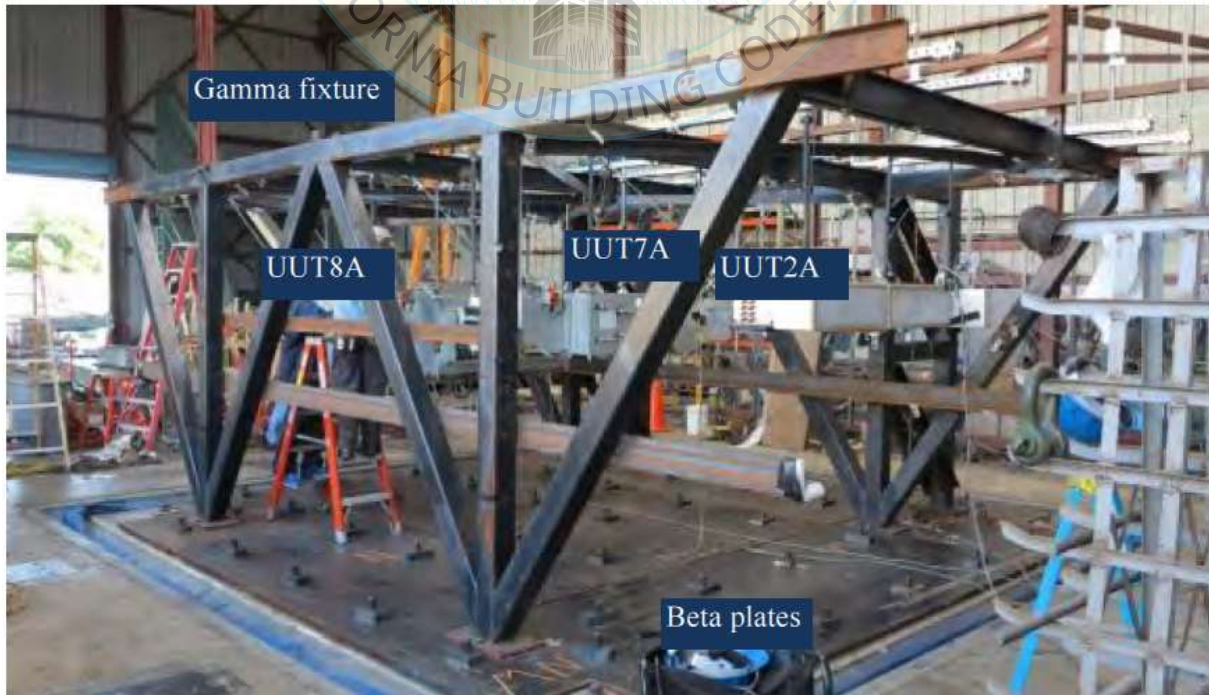
Cabinet, Housed Fan, Coil, Electric Heater, Mixing Box, Discharge Silencer

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
945	134.5	65.0	25.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (10) 3/8" A307 rods, (10) L1x1x1/4 Angle Rod Stiffeners, (30) VMC SRBC-1 Rod Clamps, (12) VMC SB-250 Cable Brackets, (12) 1/4" Cables



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-8B**

Test Report: PEER STI 2013-36

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCHQ 40	Price

**Product Construction Summary**

18 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

Cabinet, Housed Fan, Coil, Electric Heater, Mixing Box, Discharge Silencer

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
945	134.5	65.0	25.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (8) 5/8" A307 rods, (8) L1x1x1/4 Angle Rod Stiffeners, (24) VMC SRBC-1 Rod Clamps, (12) VMC SB-250 Cable Brackets, (12) 1/4" Cables, (8) VMC HRSA-1C-250 Hanger Box Vibration Isolators



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-9A**

Test Report: 21982-2301

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHC-02	Price

Product Construction Summary
20 Gauge Galvanized Carbon Steel

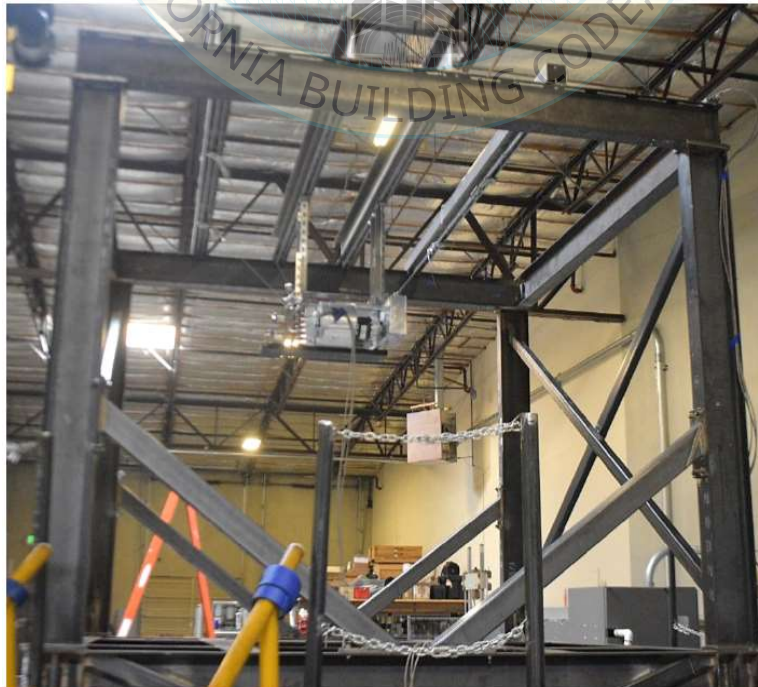
Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
35	27.4	19.5	10.4	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 1/8" Cables.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-9B**

Test Report: 21982-2302

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHC-02	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
35	27.4	19.5	10.4	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 1/8" Cables, (4) VMC HRSA-1C-15 Hanger Box Isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-10A**

Test Report: 21982-2303

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHP-12	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

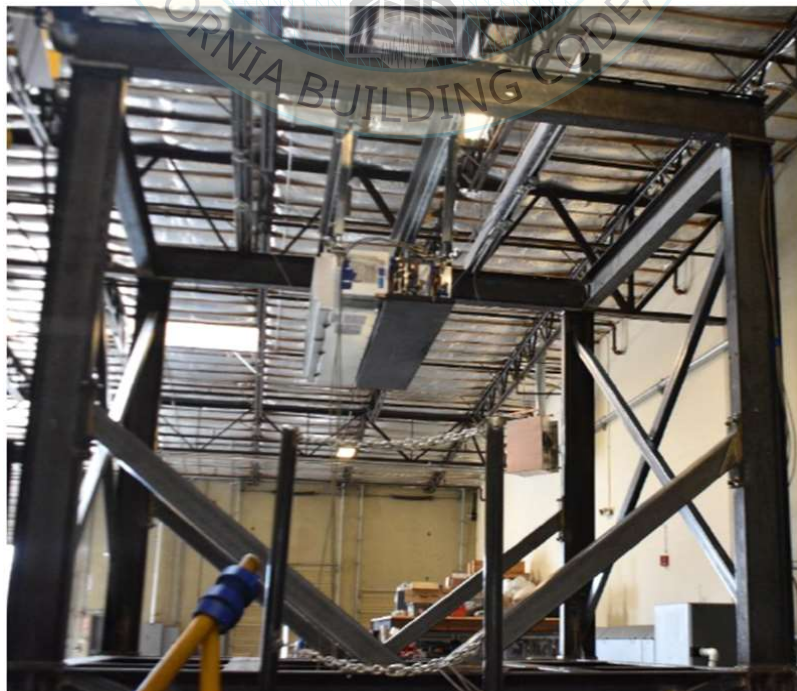
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
161	22.5	71.4	10.4	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 3/16" Cables.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-10B**

Test Report: 21982-2304

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHP-12	Price

Product Construction Summary
20 Gauge Galvanized Carbon Steel

Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
161	22.5	71.4	10.4	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 3/16" Cables, (4) VMC HRSA-1C-50 Hanger Box Isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-11A

Test Report: 21982-2305

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	FCHE-12	Price

**Product Construction Summary**

20 Gauge Galvanized Carbon Steel

**Options / Subcomponent Summary**

Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
251	30.0	80.0	12.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-12A**

Test Report: 21982-2306

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCH-08	Price

Product Construction Summary
18 Gauge Galvanized Carbon Steel

Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
140	43.0	30.0	15.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 3/16" Cables.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-12B**

Test Report: 21982-2307

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCH-08	Price

Product Construction Summary
18 Gauge Galvanized Carbon Steel

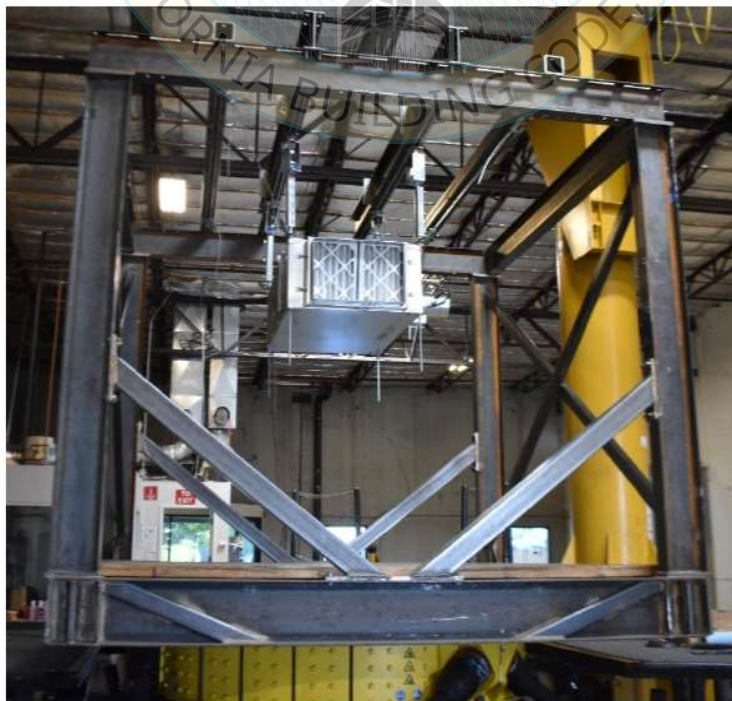
Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
140	43.0	30.0	15.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-125 Cable Brackets, (4) 3/16" Cables, (4) VMC HRSA-1C-50 Hanger Box Isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-13A**

Test Report: 21982-2308

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCH-40	Price

Product Construction Summary
18 Gauge Galvanized Carbon Steel

Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
630	50.0	65.0	25.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (12) Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-13B**

Test Report: 21982-2309

Model Line	Model Number	Manufacturer
Horizontal Fan Coils	BCH-40	Price

Product Construction Summary
18 Gauge Galvanized Carbon Steel

Options / Subcomponent Summary
Cabinet, Housed Fan, Coil

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
630	50.0	65.0	25.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

**Test Mounting Details**

Ceiling suspended unit, (4) 1/2" dia. ASTM A325 rods, (4) P1000 Unistrut Rod Stiffeners, (8) Rod Clamps, (4) VMC SB-250 Cable Brackets, (4) 1/4" Cables, (4) VMC HRSA-1C-250 Hanger Box Isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.