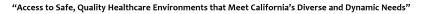


# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPI ICATION F	OR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
	PREAPPROVAL (OSP)	APPLICATION #: OSP-0249
HCAI Special Seismi	c Certification Preapproval (OSP)	
Type: New X	Renewal	
Manufacturer Informa	ation	
Manufacturer: Johnso	on Controls	
Manufacturer's Technica	I Representative: Cameron Boyce	
Mailing Address: 5005	York Drive, Norman, OK 73069	
Telephone: (405) 419-6	830 Email: Cameron.w.boyce@	₽jci.com
	FORCODECON	
Product Information	ED	0,
Product Name: Air Cond		1 A
Product Type: Air Cond	litioning Units - Packaged	12
Product Model Number:	See attachment	Î
General Description:	The York Small Sunline / JCI Series 5 family consists and heat pump units in cooling capacities of 3, 4, 5, a cooling only (CO), CO with electric heat, CO with gas electric heat.	nd 6 tons. The units are factory-available as
Mounting Description:	Rigid or Isolated Roof Curbs, Floor Mounted	8
Tested Seismic Enhance	ements: None	4
Applicant Information	n VIA PLUS CO	
Applicant Company Nam	ne: Dynamic Certification Labatories	
Contact Person: Kelly L	aplace	
Mailing Address: 1315 C	Greg Street, Suite 109, Sparks, NV 89431	
Telephone: (775) 358-5	085 Email: kelly@shaketest.co	m

Title: Business Manager



STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

HCA



# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Resp	onsible 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, Sacrame	ento, CA 95814
Telephone: (832) 627-2214 En	nail: ken.tarlow@thevmcgroup.com
Certification Method	
GR-63-Core X ICC-ES AC156	☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
Other (Please Specify):	
	RCODECO
Testing Laboratory	Mp
Company Name: DYNAMIC CERTIFICATION LABOR	RATORY (DCL)
Contact Person: Kelly Laplace	2000.0010
Mailing Address: 1315 Greg St., Ste 109 Sparks, NV	89431
Telephone: (775) 358-5085	nail: Kelly@shaketest.com
DAT	E: 01/20/2023
DAT	
RNIA	
A.	BUILDING

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

HCAi



# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

#### Seismic Parameters

Design Basis of Equipment or Component	s (Fp/Wp) =	1.88 (on rigid curbs); 5	6.63 (on sprir	ng isolated curbs)						
SDS (Design spectral response acce	leration at sho	rt period, g) = $2.5$								
ap (Amplification factor) =	2.5									
Rp (Response modification factor) =	6.0 (on rigid curbs); 2.0 (on spring isolated curbs)									
$\Omega_0$ (System overstrength factor) =	2.0									
lp (Importance factor) =	1.5									
z/h (Height ratio factor) =	1									
Natural frequencies (Hz) =	See Attachn	nent								
Overall dimensions and weight =	See Attachn	nent ODF co								
li	NEDFO	ON,	0							
HCAI Approval (For Office Use Only)	Approval E	xpires on 01/20/202	29 7							
Date: 01/20/2023		DSP-0249	<b>F</b>							
Name: Mohammad Karim			Title:	Supervisor, Health Facilities						
Special Seismic Certification Valid <mark>Up to</mark> : S	DS (g) = 2.5	nammad Karim	z/h =	1						
Condition of Approval (if applicable):	DATE	01/20/2023								
	ORNIA B	UILDING CO	Str. N							

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

HCA

## Special Seismic Certification Table 1 - Certified Components



DCL Project Number:	96733-2201						TIFICATION	
Manufacturer: Product Line: Mounting Configuration:	Unitary Product Group (York, Johnson ( York Small Sunline/JCI 5 Series Family Rigid or Isolated Roof Curb Mount	Controls, Cole	man, Luxaire	, Evcon, Frase	r-Johnston, Champ	ion, and TempMaster	r)	
Test Levels:	S <sub>DS</sub> = 2.50g, z/h=1.0							
Model Number	Manufacturer	Max	. Dimensions	s (in)	Max. Weight	Nominal Cooling	Unit	
		Depth	Width	Height	(lb.)	Capacity (Tons)	Onic	
ZD/ZE/ZF/ZS/J03ZF/J03ZE/T03 036	EOKLU	82.0	43.5	32.5	600	3	UUT-05a,b	
ZD/ZE/ZF/ZS/J04ZF/J04ZE/T04 048		82.0	43.5	32.5	688	4	Interpolated	
ZD/ZE/ZF/ZS/J05ZF/J05ZE/T05 060		82.0	43.5	32.5	716	5	Interpolated	
ZF/ZS/J06ZF/T06 072	York Small Sunline/	82.0	43.5	32.5	700	6	UUT-06a,b	
ZR/ZK/J03ZR/T03 036	JCI 5 Series Family/	82.0	43.5	32.5	680	3	UUT-03a,b	
ZR/ZK/J04ZR/T04 048	FJ ReliaCore 100/	82.0	43.5	32.5	732	4	Interpolated	
ZR/ZK/J05ZR/T05 060	TempMaster OmniCore 100	282.0	43.5	32.5	760	5	UUT-04a,b	
XN/XT/XP/XA/J03XP/J03XN/T03 036		82.0	43.5	32.5	650	3	UUT-01a,b	
XN/XT/XP/XA/J04XP/J04XN/T04 048	DVand	82.0	43.5	32.5	690	4	Interpolated	
XN/XT/XP/XA/J05XP/J05XN/T05 060	BY: Mohamn	1ac <sub>82.0</sub> arii	1 43.5	32.5	700	5	UUT-02a,b	
Note: Weights listed for tested units are actual, not approxir are summarized in the tables below.		ated units are		eights, assum	ing all optional feat	ures are included. O	otional features	
Unit Accessory	Operating Weight (lb)	1222222222			Unit			
Intelli Comfort Board		FRAFFAR				UT-04a,b, UUT-05a		
Coil Guard		- HHHH				UT-04a,b, UUT-05a		
Disconnect	10		UUT-01a	a,b, UUT- <mark>0</mark> 2a		UT-04a,b, UUT-05a	,b, UUT-06a,b	
Electric Heat	28		U		UUT-05a,b, U			
Economizer	50 11	JING Y	UUT-01a			UT-04a,b, UUT-05a		
Gas Heat (Not on XPs)	70 70	711.		UUT-03a	a,b, UUT-04a,b, U	UT-05a,b, UUT-06a	<i>,</i> b	

## Special Seismic Certification Table 2 - Certified Subcomponents - Compressors



DCL Project Number:	96733-2201			LABORATORIES,LLC
Model Number	Manufacturer	Description	Material	Unit
		Compressors		
H82J283		230V - 3ph		UUT-05a,b
H82J28B		230V - 1ph		Interpolated
H82J28D		460/575V - 3ph		Interpolated
H82J373A		230V - 1ph		Interpolated
H82J373D		230V - 3ph		Interpolated
H82J37D		460/575V - 3ph		Interpolated
H82J483A	Bristel	230V - 1ph		Interpolated
H82J483D		230V - 3ph	X	Interpolated
H82J483D		460/575V - 3ph		Interpolated
HRH032U1		230V - 1ph		Interpolated
HRH032U2	Bristol	230V - 3ph	Carbon Steel	UUT-01a,b, UUT-03a,b
HRH032U4		460V - 3ph		Interpolated
HRH032U7		BY: Mona5750 3ph Karim		Interpolated
HRH041U1		230V - 1ph		Interpolated
HRH041U2		230V - 3ph		Interpolated
HRH041U4		LAIE: 460V-3ph2023		Interpolated
HRH041U7	P	575V - 3ph		Interpolated
HRH054U1		230V - 1ph		Interpolated
HRH054U2		230V - 3ph		Interpolated
HRH054U4		460V - 3ph		Interpolated
HRH054U7		575V - 3ph		UUT-04a,b
ZP54K5E	Concland	208/230/460/575V - 3ph	Carbon Steel	UUT-02a,b
ZP61KCE	Copeland	208/230/460/575V - 3ph	Carbon Steel	UUT-06a,b

### Special Seismic Certification Table 3 - Certified Subcomponents - Coils, Valves, Indoor Motors, and Economizers



DCL Project Number: 96733-2201 LABORATORIES,LLC **Model Number** Manufacturer Description Material Unit Coils 676262 Outdoor Coil, 16.3 x 2 UUT-05a,b Aluminum 573816\* UUT-06a.b Outdoor Coil, 18.5 x 2 435504 Outdoor Coil, 16.3 x 2 UUT-03a,b, UUT-04a,b 255202 Outdoor Coil, 16.3 x 2 UUT-01a,b 255468 Outdoor Coil, 16.3 x 2 Interpolated 440770 Outdoor Coil, 16.3 x 2 UUT-02a,b 526682 UUT-05a.b Indoor Coil, 5.06 x 3 526681 Indoor Coil, 5.06 x 3 Interpolated JCI 514544 Copper and Indoor Coil, 5.06 x 4 Interpolated 550356 Indoor Coil. 5.06 x 4 Aluminum UUT-06a,b 403139 Indoor Coil w/ Reheat, 5.06 x 3 UUT-03a,b 403181 Indoor Coil w/ Reheat, 5.06 x 3 Interpolated 403182 Indoor Coil w/ Reheat, 5.06 x 4 UUT-04a.b 267504 UUT-01a,b Indoor Coil, 5.06 x 4 255186 Indoor Coil, 5.06 x 4 Interpolated N 440763 Indoor Coil. 5.06 x 4 UUT-02a,b **Thermostatic Expansion Valves** BBIZE 3/8" UUT-03a,b, UUT-04a,b, UUT-05a,b Sporlan Brass 43712 **Fixed Orifice** UUT-06a.b ANCE Emerson 3/8" UUT-01a,b, UUT-02a,b Brass Indoor Blower Motors \*Q\*T17D 1.5 HP (230/460V-3ph) UUT-01a,b, UUT-03a,b, UUT-05a,b Marathon Rolled Carbon Steel/ Cast Iron 196302 1.5 HP (230V-1ph) Interpolated 8-158756 2.0 HP (230/460V-3ph) Interpolated AO Smith Rolled Carbon Steel/ Cast Iron 8-151204 2.0 HP (575V-3ph) UUT-02a,b, UUT-04a,b 8-158556 3.0 HP (230/460V-3ph) Interpolated 8-176059 3.0 HP (575V-3ph) UUT-06a,b **Economizers** UUT-01a,b, UUT-02a,b, UUT-03a,b, 2EE04703724 Horizontal Economizer UUT-04a,b, UUT-05a,b, UUT-06a,b JCI Galvanized Carbon Steel UUT-01a,b, UUT-02a,b, UUT-03a,b, 2MD04700324 2-Position Economizer UUT-04a,b, UUT-05a,b, UUT-06a,b

Note: \*573816 was previously labeled incorrectly as 550546

### **Special Seismic Certification Table 4 - Certified Subcomponents - Heaters and Heat Cells**



DCL Project Number: 96733-2201 LABORATORIES.LLC Description **Model Number** Manufacturer Material Unit **Electric Heaters** UUT-05a.b 2CE04510506 5 kW (230V-1ph) 2CE04510525 5 kW (230V-3ph) Interpolated 2CE04510706 7 kW (230V-1ph) Interpolated 2CE04510725 7 kW (230V-3ph) Interpolated 2CE04510746 7 kW (460V-3ph) Interpolated 2CE04511006 10 kW (230V-1ph) Interpolated 2CE04511025 10 kW (230V-3ph) Interpolated 2CE04511046 10 kW (460V-3ph) Interpolated 2CE04511058 10 kW (575V-3ph) Interpolated 2CE04511506 15 kW (230V-1ph) Interpolated Nickel Chrome Alloy JCI 2CE04511525 15 kW (230V-3ph) Interpolated Galvanized Carbon Steel 2CE04511546 Interpolated 15 kW (460V-3ph) 15 kW (575V-3ph) 2CE04511558 Interpolated 2CE04512006 20 kW (230V-1ph) Interpolated 2CE04512025 20 kW (230V-3ph) Interpolated 2CE04512046 20 kW (460V-3ph) Interpolated 2CE04512058 20 kW (575V-3ph) Interpolated 2CE04513006 30 kW (230V-1ph) Interpolated 2CE04513025 30 kW (230V-3ph) Interpolated 2CE04513046 30 kW (460V-3ph) Interpolated 2CE04513058 30 kW (575V-3ph) UUT-06a.b Heat Cells (Heat Type and Nominal Heat Capacity) 40 MBH Output, Single Stage UUT-03a,b N04 N06 60 MBH Output, Single Stage Interpolated N08 80 MBH Output, Single Stage Interpolated N10 Interpolated 100 MBH Output, Single Stage Aluminized Carbon Steel D04 40 MBH Output, Dual Stage Interpolated D06 60 MBH Output, Dual Stage Interpolated D08 80 MBH Output, Dual Stage Interpolated UUT-04a,b D10 100 MBH Output, Dual Stage JCI 40 MBH Output, Single Stage S04 UUT-05a,b S06 60 MBH Output, Single Stage Interpolated S08 80 MBH Output, Single Stage Interpolated S10 100 MBH Output, Single Stage Interpolated Stainless Steel T04 40 MBH Output, Dual Stage Interpolated T06 60 MBH Output, Dual Stage Interpolated T08 80 MBH Output, Dual Stage Interpolated 100 MBH Output, Dual Stage UUT-06a,b, T10

## Special Seismic Certification Table 5 - Certified Subcomponents - Filters, Miscellanous and Outdoor Motors



CL Project Number:	96733-2201				LABORATORIES,LLC
Model Number	Manufacturer	Description	Material	Weight (lb)	Unit
		Filters			
198, 15" x 20"		1" Fiberglass TA Filter	Fiberglass	<1	UUT-01a,b, UUT-02a,b, UUT-03a,k UUT-04a,b, UUT-05a,b, UUT-06a,
198, 14" x 25"	AAF	EOR CODE	Tibergiass	<1	UUT-01a,b, UUT-02a,b, UUT-03a, UUT-04a,b, UUT-05a,b, UUT-06a,
300X, 15" x 20"		2" Pleated Filter	Cotton/Polyester	<1	UUT-01a,b, UUT-02a,b, UUT-03a, UUT-04a,b, UUT-05a,b, UUT-06a
300X, 14" x 25"	E.		Contony Polyester	<1	UUT-01a,b, UUT-02a,b, UUT-03a UUT-04a,b, UUT-05a,b, UUT-06a
		Miscellaneous	6		
663678	Real Provide P	05P-0249		1	UUT-01a,b, UUT-02a,b
663677	SAP	Simplicity Lite Board Controller	Plastic	1	UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b
1157-903		DY. MOD Defrost Board and		1	UUT-01a,b, UUT-02a,b
1159-10	United Technologies	Itelli Comfort Board	Plastic	1	UUT-01a,b, UUT-02a,b, UUT-03a UUT-04a,b, UUT-05a,b, UUT-06
STF-04U		DATE: 01/20/2023		2	UUT-01a,b
STF-07U	Saginomiya	Reversing Heat Valve	Plastic	2	UUT-02a,b
FAL	Square D	Electrical Disconnect Switch	Plastic	3	UUT-01a,b, UUT-02a,b, UUT-03a UUT-04a,b, UUT-05a,b, UUT-06
P32AF-2C		Dirty Filter Switch		1	UUT-01a,b, UUT-02a,b, UUT-03a UUT-04a,b, UUT-05a,b, UUT-06
2LA04700100	JCI	Outdoor Fan Speed Controller	Plastic	3	UUT-03a,b, UUT-04a,b, UUT-05
2SD04700324		Smoke Detector, Supply & Return		5	UUT-01a,b, UUT-02a,b, UUT-03a UUT-04a,b, UUT-05a,b, UUT-06
		Outdoor Fan Motors			
F48H x 1 x 1/4		1/4 HP (230V)		13	UUT-01a,b
F48H x 1 x 1/4	AO Smith	1/4 HP (460V)	Rolled Carbon Steel/	13	Interpolated
F48L x 1 x 1/2		1/2 HP (230V)	Cast Iron	19	UUT-03a,b, UUT-05a,b
F48L x 1 x 1/2		1/2 HP (460V)		19	UUT-02a,b, UUT-04a,b, UUT-06

## Special Seismic Certification Table 6 - Tested Units



Testing Labatory: DCL (Report Number 90300-1108a)

DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Model Number	Manufacturer	C	Dimensions (ir	ו)	Weight	Nominal Cooling	Mounting Sds (g)		Unit
woder Number	Manufacturer	Depth	Width	Height	(lb.)	Capacity (Tons)	Configuration	z/h=1	Unit
XP036E05P2bE1		82	43.5	32.5	650	3	Rigid Roof Curb		UUT-01a
XF030L03F20L1		82	43.5	32.5	050	5	Isolated Roof Curb		UUT-01b
XP060E30V5BZZ2	] [	82	43.5	32.5		5	Rigid Roof Curb		UUT-02a
APUOUESUVSBZZZ		02	62 45.5		100	5	Isolated Roof Curb	l	UUT-02b
ZR036N04R2DZZ1		82 43.5 32.5 680 3		Rigid Roof Curb		UUT-03a			
ZRUSON04RZDZZI	York Small Sunline/ JCI	02	45.5	52.5	030	3	Isolated Roof Curb	2.5	UUT-03b
ZR060D10U5GZZ1	5 Series Family	82	43.5	32.5	760		Rigid Roof Curb	2.5	UUT-04a
2000010030221		82	45.5	32.5	760		Isolated Roof Curb		UUT-04b
ZF036S04N2KZZ1	] [	82	12 5	OSP-		3	Rigid Roof Curb		UUT-05a
ZFU30504IN2KZZ1		82	43.5	32.5	600		Isolated Roof Curb		UUT-05b
ZF072T10T5bC1	1	01		225	700	6	Rigid Roof Curb		UUT-06a
ZFU/2110150C1		82	43.5	Mo <sup>32</sup> amm	had Warim	0	Isolated Roof Curb		UUT-06b



## UUT-01a DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) Summary Sheet



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: XP036E05P2BAE1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

HRH032U2 Compressor, 255202 Outdoor Coil, 267504 Indoor Coil, ANCE 3/8" Thermostatic Expansion Valve, \*Q\*T17D Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663678 Simplicity Lite Board Controller, 1157-903 Defrost Board, 1159-10 Intelli Comfort Board, STF-04U Reversing Heat Valve, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2SD04700324 Smoke Detector: Supply and Return, and F48H x 1 x 1/4 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

		00	T Propert	ies			
	Dimensio	ons (inche	Lowest Natural Frequency (Hz)				
Depth	Width 0		1/20	leight 3	Front-Back	Side-Side	Vertical
82.0	43	.5	32.5		10.3	8.0	14.0
	VIIIII	ALLEY		CHARRAN (	$\sqrt{}$		
Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67
	82.0 Test Criteria	Dimensio Depth Wit 82.0 43 Test Criteria Sds (g)	Dimensions (inche   Depth Width   82.0 43.5   Test Criteria Sds (g) z/h	Dimensions (inches)   Depth Width   82.0 43.5   Test Criteria Sds (g) z/h Ip	Dimensions (inches)   Depth Width   82.0 43.5   32.5	Dimensions (inches) Lowest I   Depth Width /2 Height Front-Back   82.0 43.5 32.5 10.3   Test Criteria Sds (g) z/h Ip Afix-H (g) Arig-H (g)	Dimensions (inches) Lowest Natural Freque   Depth Width 1/2 Height Front-Back Side-Side   82.0 43.5 32.5 10.3 8.0

#### Unit Mounting Description:

UUT1a was tested on an rigid roof curb supplied by MicroMetl, part #W560-OSP-C14D-00000. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six on each long side of the curb and four on each short side, with each side sharing a bolt on the corners.



Overall view of UUT-01a

## UUT-01b DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) **Summary Sheet**



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: XP036E05P2BAE1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

HRH032U2 Compressor, 255202 Outdoor Coil, 267504 Indoor Coil, ANCE 3/8" Thermostatic Expansion Valve, \*Q\*T17D Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663678 Simplicity Lite Board Controller, 1157-903 Defrost Board, 1159-10 Intelli Comfort Board, STF-04U Reversing Heat Valve, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2SD04700324 Smoke Detector: Supply and Return, and F48H x 1 x 1/4 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

Operating Weight		Dimensio	ns (inche	Lowest I	Natural Freque	ncy (Hz)		
(lb)	Depth	D Wic	ith: ()	1/20/Height23		Front-Back	Side-Side	Vertical
650	82.0	43	.5	32.5		3.8	3.0	5.3
		REAR	ALLEY.		BRARK			
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

#### Unit Mounting Description:

UUT1b was mounted to an isolated roof curb supplied by Ruskin (Provent), part #ISCALSUN3672212. The curb had six 12gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with six 1/2-inch diameter Grade 5 bolts, one centered at each corner and one centered on each of the long sides of the curb.



Overall view of UUT-01b

## UUT-02a DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) Summary Sheet



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: XP060E30V5BZZ2

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

ZP54K5E 575V Compressor, 440770 Outdoor Coil, 440763 Indoor Coil, ANCE 3/8" Thermostatic Expansion Valve, 8-151204 Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663678 Simplicity Lite Board Controller, 1157-903 Defrost Board, 1159-10 Intelli Comfort Board, STF-07U Reversing Heat Valve, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

			00	r Propert	ies			
<b>Operating Weight</b>		Dimensio	ons (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Width 0		1/20	leight 3	Front-Back	Side-Side	Vertical
700	82.0	43	.5	32.5		10.0	7.5	17.0
		THANK			CARBER C			
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67

#### Unit Mounting Description:

UUT2a was tested on an rigid roof curb supplied by MicroMetl, part #W560-OSP-C14D-00000. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six on each long side of the curb and four on each short side, with each side sharing a bolt on the corners.



Overall view of UUT-02a

## UUT-02b DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) **Summary Sheet**



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: XP060E30V5BZZ2

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

ZP54K5E 575V Compressor, 440770 Outdoor Coil, 440763 Indoor Coil, ANCE 3/8" Thermostatic Expansion Valve, 8-151204 Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663678 Simplicity Lite Board Controller, 1157-903 Defrost Board, 1159-10 Intelli Comfort Board, STF-07U Reversing Heat Valve, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

Operating Weight		Dimensio	ns (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Width 0		1/20/Height23		Front-Back	Side-Side	Vertical
700	82.0	43	.5	32.5		3.5	2.8	5.8
		REFER	ABBY.		BRRRR			
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67

#### nit Mounting Description:

UUT2b was mounted to an isolated roof curb supplied by Ruskin (Provent), part #ISCALSUN3672212. The curb had six 12gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with six 1/2-inch diameter Grade 5 bolts, one centered at each corner and one centered on each of the long sides of the curb.



Overall view of UUT-02b

## UUT-03a DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) Summary Sheet



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZR036N04R2DZZ1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### Options / Component Summary:

HRH032U2 230V Compressor, 435504 Outdoor Coil, 403139 Indoor Coil, BBIZE 3/8" Thermostatic Expansion Valve, \*Q\*T17D Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, N04 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

			00	T Propert	ies			
<b>Operating Weight</b>		Dimensio	ns (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Width 0		1/20	leight 3	Front-Back	Side-Side	Vertical
680	82.0	43	.5	32.5		12.8	7.5	17.0
		, MARAAN	ARRY		CARDARKS			
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67

#### Unit Mounting Description:

UUT3a was tested on a rigid roof curb supplied by Ruskin, part #80-272-1314. The curb had eight 10-gage anchoring pockets, three on each long side of the curb and one on each short side. The unit was attached to each of the pockets using two #14-24 x 5-inch self drilling screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with eight 3/8inch diameter Grade 5 bolts, two on each side of the curb, each 5-inches in from the corners.



Overall view of UUT-03a

## UUT-03b DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) **Summary Sheet**



1.67

0.67

#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZR036N04R2DZZ1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

HRH032U2 230V Compressor, 435504 Outdoor Coil, 403139 Indoor Coil, BBIZE 3/8" Thermostatic Expansion Valve, \*Q\*T17D Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, N04 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained. 

			00	T Propert	ies			
Operating Weight (lb)		Dimensio	ns (inche		Lowest Natural Frequency (Hz)			
	Depth	D Wic	ith: ()	1/20	leight 3	Front-Back	Side-Side	Vertical
680	82.0	82.0 43.5 32.5		32.5	3.5	2.3	6.3	
		RAMAN	ABB.		HARARA			
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)

Dunung couc	Test effected	000 (8)			7 IIIA 11 (B)	
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00
Unit Mounting Des	cription:	N-V	RIIT	ATO	IG	

#### Unit Mounting Description:

UUT3b was tested on an isolated roof curb supplied by MicroMetl, part #0405-602D. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six each long side and four each short side, with each side sharing a bolt on the corners.



Overall view of UUT-03b

## UUT-04a DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) **Summary Sheet**



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZR060D10U5GZZ1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

HRH054U7 575V Compressor, 435504 Outdoor Coil, 403182 Indoor Coil, BBIZE 3/8" Thermostatic Expansion Valve, 8-151204 Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, D10 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained. 

			00	T Propert	ies			
<b>Operating Weight</b>		Dimensio	ons (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Width 0		1/20	leight 3	Front-Back	Side-Side	Vertical
760	82.0	82.0 43.5		823553	32.5	9.5	7.8	14.0
			ARRA V		CARDARA			
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67

#### Unit Mounting Description:

UUT4a was tested on an rigid roof curb supplied by MicroMetl, part #W560-OSP-C14D-00000. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six on each long side of the curb and four on each short side, with each side sharing a bolt on the corners.



Overall view of UUT-04a

## UUT-04b DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) Summary Sheet



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZR060D10U5GZZ1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### Options / Component Summary:

HRH054U7 575V Compressor, 435504 Outdoor Coil, 403182 Indoor Coil, BBIZE 3/8" Thermostatic Expansion Valve, 8-151204 Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, D10 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses scroll compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

			00	T Propert	ies			
Operating Weight		Dimensio	ns (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	D/Width 01/20Height 3		leight 3	Front-Back	Side-Side	Vertical	
760	82.0	82.0 43.5		827.555	32.5	4.3	3.5	6.0
		, <b>N</b> ARAR	ARRY		CARDARKS			
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67

#### Unit Mounting Description:

UUT4b was mounted to an isolated roof curb supplied by Ruskin (Provent), part #ISCALSUN3672212. The curb had four 12gage anchoring pockets, two on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with six 1/2-inch diameter Grade 5 bolts, one centered at each corner and one centered on each of the long sides of the curb.



Overall view of UUT-04b

## UUT-05a DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) Summary Sheet



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZF036S04N2KZZ1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

H82J283 230V Compressor, 676262 Outdoor Coil, 526682 Indoor Coil, BBIZE 3/8" Thermostatic Expansion Valve, \*Q\*T17D Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 2CE04510506 Electric Heater, S04 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses a reciprocating compressor design.

OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

			00	r Propert	ies			
<b>Operating Weight</b>		Dimensio	ons (inche	Lowest Natural Frequency (Hz)				
(lb)	(lb) Depth			1/20	leight 3	Front-Back	Side-Side	Vertical
600	82.0	43	43.5 32.5			13.0	7.0	16.5
				<u> </u>	CARBARA	Y N		
Building Code	Test Criteria	Sds (g)	z/h	lp	Afix-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67

#### Unit Mounting Description:

UUT5a was tested on a rigid roof curb supplied by Ruskin, part #80-272-1314. The curb had eight 10-gage anchoring pockets, three on each long side of the curb and one on each short side. The unit was attached to each of the pockets using two #14-24 x 5-inch self-drilling screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with eight 3/8inch diameter Grade 5 bolts, two on each side of the curb, each 5-inches in from the corners.



Overall view of UUT-05a

## UUT-05b DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) Summary Sheet



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZF036S04N2KZZ1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

H82J283 230V Compressor, 676262 Outdoor Coil, 526682 Indoor Coil, BBIZE 3/8" Thermostatic Expansion Valve, \*Q\*T17D Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 2CE04510506 Electric Heater, S04 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch, P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller, 2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor. Uses a reciprocating compressor design.

OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

			00	T Propert	ies			
Operating Weight		Dimensio	ons (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Depth Width 0		1/20 <b>Height</b> 3		Front-Back	Side-Side	Vertical
600	82.0	43	8.5		32.5	3.5	2.8	5.0
		ANNI -	ABBBY		CARDARA			
Building Code	Test Criteria	Sds (g)	z/h	lp	Afix-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67

#### Unit Mounting Description:

UUT5b was tested on an isolated roof curb supplied by MicroMetl, part #0405-602D. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six each long side and four each short side, with each side sharing a bolt on the corners.



Overall view of UUT-05b

## UUT-06a DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) Summary Sheet



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZF072T10T5BAC1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### Options / Component Summary:

ZP61KCE 575V Compressor, 550546 Outdoor Coil, 550356 Indoor Coil, 43712 Fixed Orifice Thermostatic Expansion Valve, 8-176059 Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 2CE04513058 Electric Heater, T10 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter,

663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch,

P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller,

2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor.

2.50

Uses a reciprocating compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained.

			00	T Propert	ies				
<b>Operating Weight</b>		Dimensio	ons (inche		Lowest Natural Frequency (Hz)				
(lb)	Depth	Width 0		)1/20/Height23		Front-Back	Side-Side	Vertical	
700	82.0	43	.5	122252	32.5	12.5	7.3	14.0	
			ARRA (		GARARA				
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)	

1.0

#### Unit Mounting Description:

ICC-ES AC156

CBC 2022

UUT6a was tested on a rigid roof curb supplied by Ruskin, part #80-272-1314. The curb had eight 10-gage anchoring pockets, three on each long side of the curb and one on each short side. The unit was attached to each of the pockets using two #14-24 x 5-inch self drilling screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with eight 3/8inch diameter Grade 5 bolts, two on each side of the curb, each 5-inches in from the corners.

1.5

4.00

3.00

1.67

0.67



Overall view of UUT-06a

## UUT-06b DCL (Report No. 90300-1108a) UNIT UNDER TEST (UUT) **Summary Sheet**



#### DCL Project Number: 96733-2201

Manufacturer: Unitary Product Group

Product Line: York Small Sunline/JCI 5 Series

Model Number: ZF072T10T5BAC1

#### Product Construction Summary:

Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTMB 117.

#### **Options / Component Summary:**

ZP61KCE 575V Compressor, 550546 Outdoor Coil, 550356 Indoor Coil, 43712 Fixed Orifice Thermostatic Expansion Valve, 8-176059 Indoor Blower Motor, 2EE04703724 Horizontal Economizer, 2MD04700324 2-Position Economizer, 2CE04513058 Electric Heater, T10 Heat Cell, 15" x 20" Filter, 14" x 25" Filter, 15" x 20" Filter, 14" x 25" Filter, 663677 Simplicity Lite Board Controller, 1159-10 Intelli Comfort Board, FAL Electric Disconnect Switch,

P32AF-2C Dirty Filter Switch, 2LA04700100 Outdoor Fan Speed Controller,

2SD04700324 Smoke Detector: Supply and Return, and F48L x 1 x 1/2 Outdoor Fan Motor.

Uses a reciprocating compressor design.

### OSP-0249

Note: The UUT was filled with operating fluid for the seismic simulation test and was operational before and after shaking. The structural integrity of the component attachment system and force-resisting systems was maintained. 

Operating Weight (Ib)		Dimensions (inch	Lowest Natural Frequency (Hz)			
	Depth	Width (	1/20 Height 3	Front-Back	Side-Side	Vertical
700	82.0	43.5	32.5	3.5	2.5	5.3

Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.50	1.0	1.5	4.00	3.00	1.67	0.67
Unit Mounting Des	scription:	- A	RIIT	AID	IG			

#### Unit Mounting Description:

UUT6bwas tested on an isolated roof curb supplied by MicroMetl, part #0405-602D. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six each long side and four each short side, with each side sharing a bolt on the corners.



Overall view of UUT-06b