



**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-0325

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Daikin Applied

Manufacturer's Technical Representative: Brian Simonson

Mailing Address: 13600 Industrial Park Blvd., Plymouth, MN 55441

Telephone: (763) 553-5263

Email: brian.simonson@daikinapplied.com

Product Information

Product Name: Vision/Skyline Standard Sizes 006 - 090

Product Model Number(s): Vision/Skyline Standard Sizes 006 - 090

Product Category: Air Conditioning Units

Product Sub-Category: Air Conditioning Units - Packaged

General Description: Air conditioning unit cabinets with internal and external components as outline in the Product Matrices.

Mounting Description: Rigid base mount to structure or curb.

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: Pre Compliance

Contact Person: Katie Braman

Mailing Address: 324 NW Hill Street, Bend, OR 97703

Telephone: (541) 241-2310

Email: katie@go-pre.com

Title: Pre Compliance





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

Company Name: PRE COMPLIANCE

Name: Andrew Coughlin California License Number: S6082

Mailing Address: 324 NW Hill St, Bend, OR 97703

Telephone: (415) 635-8461 Email: Andy@go-pre.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

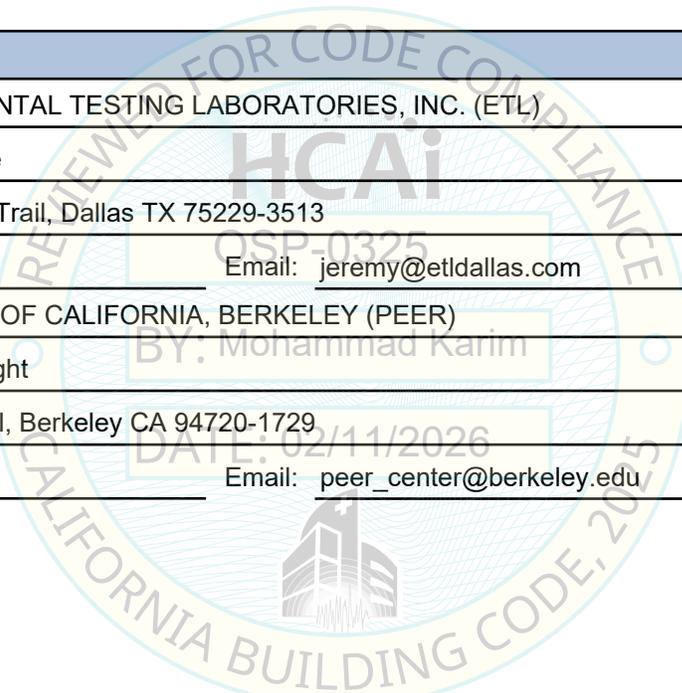
Telephone: (972) 247-9657 Email: jeremy@etldallas.com

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)

Contact Person: Nathaniel Knight

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

Telephone: (510) 642-3437 Email: peer_center@berkeley.edu





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal	(A Flx-H), g=	<u>3.08</u>	(A Rig-H), g=	<u>2.07</u>
Vertical	(A Flx-V), g=	<u>1.29</u>	(A Rig-V), g=	<u>0.52</u>

SDS (Design spectral response acceleration at short period, g) = 1.93

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

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

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 02/11/2032

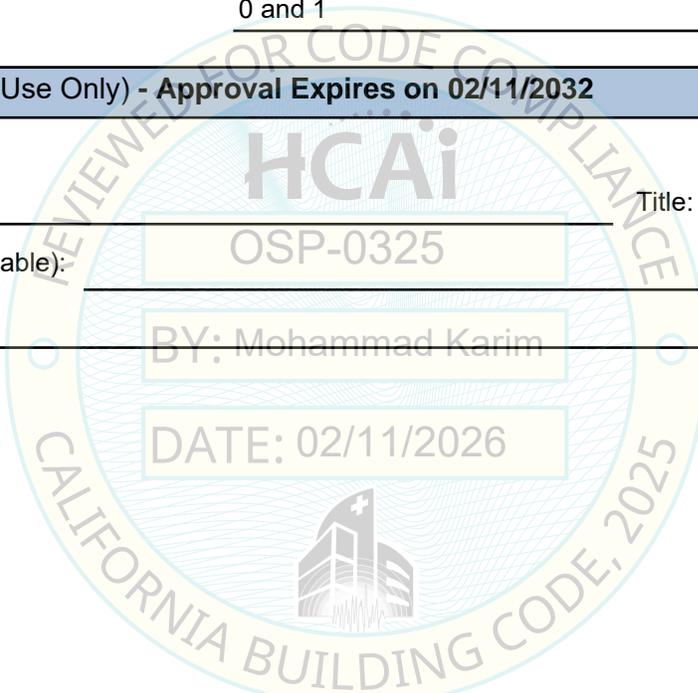
Date: 2/11/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0325

BY: Mohammad Karim

DATE: 02/11/2026



Manufacturer: Daikin Applied

Product Type: Air Conditioning Units – Packaged

Model Line: Vision/Skyline Custom Air Conditioning Units

Seismic Parameters

$S_{DS} = 1.93g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$

$S_{DS} = 1.93g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$

$I_p=1.5$

Building Codes

CBC 2025

TABLE 1

Mounting Configuration: Base Mounted - Rigid

Construction Summary

Base rail: 4"-12" galv. carbon steel channel; Panels: 2" thick sandwich panel, Outer liner: 0.022" - 0.046" galv. carbon steel or stainless steel; Inner liner: 0.022"- 0.046" galv. carbon steel or stainless steel.

Options Summary

No base, standard base, standard curb ready base, or unitized curb ready base.

Model Line	Model	Max. Dimensions (in)			Wt. ² (lb)	Notes	UUT	
		D	W	H ¹				
Vision/Skyline AHU Standard Sizes	006		52	30			Extrap.	
	008		58	34			Extrap.	
	010		64	36			Extrap.	
	012		66	42			Extrap.	
	014		No Limit	74	42	112 psf		Extrap.
	017			80	46			Extrap.
	021			82	52			Extrap.
	025			86	60			Extrap.
	030		170	98	66	5,140	UUT: model OAH031GVAM, galv. carbon steel, standard base, 44 psf.	2
	030		166	98	68	4,968	UUT: model OAH031GVAM, galv. carbon steel, unitized base w/12" curb, 44 psf.	10
	035			102	66			Interp.
	040			116	68			Interp.
	050			120	80			Interp.
	065			No Limit	136	92	112 psf	Interp.
080				136	98		Interp.	
085				136	104		Interp.	
090				136	110		Interp.	

Notes: ¹Listed heights include cabinet and base rail only. Curb height is not included. ²Max loading of 112 psf for all interpolated and extrapolated sizes per UUT4.

Manufacturer: Daikin Applied

Product Type: Air Conditioning Units – Packaged

Model Line: Vision/Skyline Custom Air Conditioning Units

Seismic Parameters

$S_{DS} = 1.93g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$ $I_p=1.5$

$S_{DS} = 1.93g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$

Building Codes

CBC 2025

TABLE 1

Mounting Configuration: Base Mounted - Rigid

Construction Summary

Base rail: 4"-12" galv. carbon steel channel; Panels: 2" thick sandwich panel, Outer liner: 0.022" - 0.046" galv. carbon steel or stainless steel; Inner liner: 0.022"- 0.046" galv. carbon steel or stainless steel.

Options Summary

No base, standard base, standard curb ready base, or unitized curb ready base.

Model Line	Model	Max. Dimensions (in)			Wt. ² (lb)	Notes	UUT	
		D	W	H ¹				
Vision/Skyline AHU Custom Sizes	Custom Size AHU	No Limit	52	30	112 psf		Extrap.	
		...	...				Extrap.
		OSP-0325						
		152	58	30	2,170	UUT: model CAH007GVDM, galv. carbon steel outer liner, stainless steel inner liner, standard base, 35 psf.	1	
		No Limit	...	...	112 psf		Interp.
		126	140	130	9,995	UUT: model OAH100GVHM, galv. carbon steel, unitized base, 36" curb, 82 psf.	13	
		136	140	130	11,185	UUT: model OAH100GVAM, galv. carbon steel, unitized base, 36" curb, 85 psf.	11	
		No Limit	...	...	112 psf		Interp.
		60	142	130	2,736	UUT: model CAH102GVAM, galv carbon steel, standard base, 46 psf.	9b	
		112	142	130	8,654	UUT: model CAC102GBAM, galv carbon steel, standard base, 78 psf.	7	
122	142	130	7,725	UUT: model OAH100GVGM, galv. carbon steel outer liner, stainless steel inner liners, standard curb ready base, 64 psf.	12			

Notes: ¹Listed heights include cabinet and base rail only. Curb height is not included. ²Max loading of 112 psf for all interpolated and extrapolated sizes per UUT4.

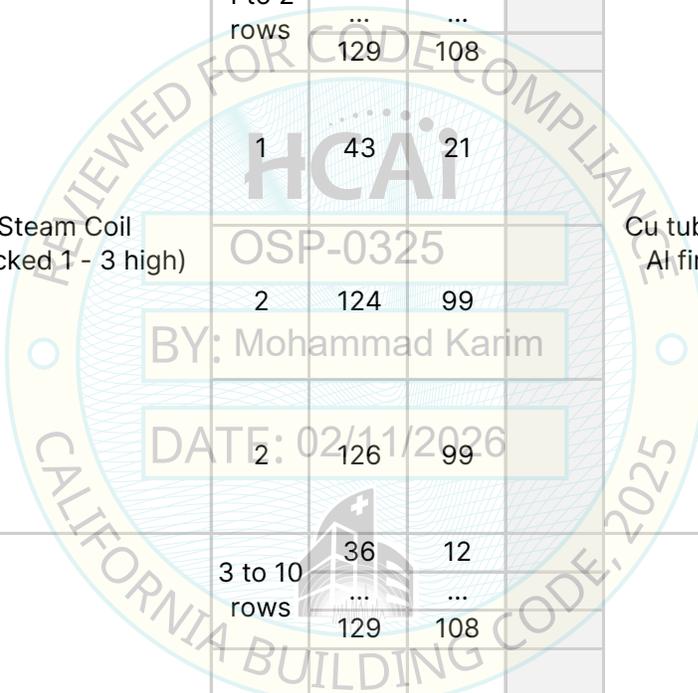
Manufacturer: Daikin Applied
Product Type: Air Conditioning Units – Packaged
Model Line: Vision/Skyline Custom Air Conditioning Units

Seismic Parameters	Building Codes
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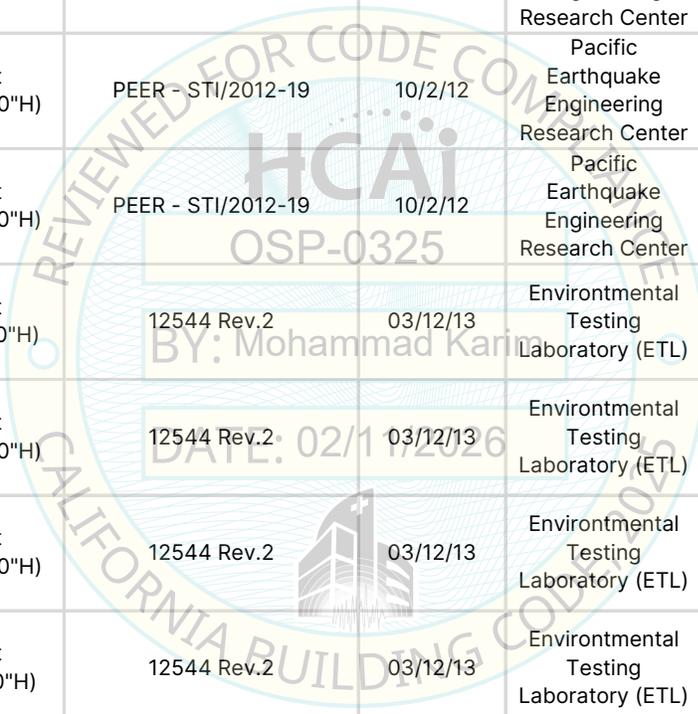
$S_{DS} = 1.93g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$	$I_p=1.5$
$S_{DS} = 1.93g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	CBC 2025

TABLE 2	Table Description: Coils
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Component (Manufacturer)	Model	Rows	Dimensions (in)		Wt. (lb)	Material	Notes	UUT
			W	H				
Steam (Daikin Applied)	Steam Coil (Stacked 1 - 3 high)	1 to 2 rows	36	12		Cu tube, Al fin	6-14 fpi	Extrap.
		...	...		6-14 fpi		Extrap.
		129	108		6-14 fpi		Extrap.	
		1	43	21	UUT: 0.0075" fin, 6 fpi, 0.020" wall 1" dia. tube, stacked 1 high		1	
		2	124	99	UUT: 0.0075" fin, 14 fpi, 0.020" wall 5/8" dia. tube, stacked 3 high		11	
		2	126	99	UUT: 0.0095" fin, 14 fpi, 0.025" wall 5/8" dia. tube, stacked 3 high		8	
DX (Daikin Applied)	DX Coil (Stacked 1 - 3 high)	3 to 10 rows	36	12		Cu tube, Al fin	6-14 fpi	Extrap.
		...	...		6-14 fpi		Extrap.
		129	108		6-14 fpi		Extrap.	
		3	45	15	UUT: 0.0075" fin, 6 fpi, 0.020" wall 5/8" dia. tube, stacked 1 high		1	
10	139	108	UUT: 0.0075" fin, 6 fpi, 0.020" wall 5/8" dia. tube, stacked 1 high	8				
Chilled Water/Hot Water (Daikin Applied)	CW/HW Coil (Stacked 1 – 3 high)	1 to 10 rows	36	12		Cu tube, Al fin or Cu fin	6-14 fpi	Extrap.
		...	...		6-14 fpi		Extrap.
		129	108		6-14 fpi		Extrap.	
		1	45	21	UUT: 0.0075" fin, 6 fpi, 0.020" wall 5/8" dia. tube, stacked 1 high	1		



UUT	Model	Test Report	Test Date	Test Laboratory	S _{DS}	z/h	R _μ	H _f	I _p
1	Air Handling Unit (152"D x 58"W x 30"H)	PEER - STI/2012-19	10/2/12	Pacific Earthquake Engineering Research Center	1.93	1.0	1.3	3.5	1.5
2	Air Handling Unit (170"D x 98"W x 66"H)	PEER - STI/2012-19	10/2/12	Pacific Earthquake Engineering Research Center	1.93	1.0	1.3	3.5	1.5
3	Air Handling Unit (122"D x 142"W x 134"H)	PEER - STI/2012-19	10/2/12	Pacific Earthquake Engineering Research Center	1.93	1.0	1.3	3.5	1.5
4	Air Handling Unit (136"D x 142"W x 130"H)	PEER - STI/2012-19	10/2/12	Pacific Earthquake Engineering Research Center	1.93	1.0	1.3	3.5	1.5
5	Air Handling Unit (124"D x 142"W x 130"H)	PEER - STI/2012-19	10/2/12	Pacific Earthquake Engineering Research Center	1.93	1.0	1.3	3.5	1.5
7	Air Handling Unit (112"D x 142"W x 130"H)	12544 Rev.2	03/12/13	Environmental Testing Laboratory (ETL)	1.93	1.0	1.3	3.5	1.5
8	Air Handling Unit (126"D x 142"W x 130"H)	12544 Rev.2	03/12/13	Environmental Testing Laboratory (ETL)	1.93	1.0	1.3	3.5	1.5
9a	Air Handling Unit (146"D x 142"W x 130"H)	12544 Rev.2	03/12/13	Environmental Testing Laboratory (ETL)	1.93	1.0	1.3	3.5	1.5
9b	Air Handling Unit (60"D x 142"W x 130"H)	12544 Rev.2	03/12/13	Environmental Testing Laboratory (ETL)	1.93	1.0	1.3	3.5	1.5
10	Air Handling Unit (166"D x 98"W x 68"H)	13332 Rev.2	07/30/2014	Environmental Testing Laboratory (ETL)	2.00	1.0	1.3	3.5	1.5
11	Air Handling Unit (136"D x 140"W x 130"H)	13332 Rev.2	07/30/2014	Environmental Testing Laboratory (ETL)	2.00	1.0	1.3	3.5	1.5
12	Air Handling Unit (122"D x 142"W x 130"H)	13332 Rev.2	07/30/2014	Environmental Testing Laboratory (ETL)	2.00	1.0	1.3	3.5	1.5
13	Air Handling Unit (126"D x 140"W x 130"H)	13332 Rev.2	07/30/2014	Environmental Testing Laboratory (ETL)	2.00	1.0	1.3	3.5	1.5



UUT 1

Test Report# PEER - STI/2012-19

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: CAH007GVDM
Serial Number: FB0U120900429

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
152	58	30	2,170

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
7.8	7.0	7.0

Building Codes
CBC 2025

Test Criteria
ICC-ES AC156-2024

Construction/Option Summary
No base, 2" thick sandwich panel, 0.046" galv. carbon steel outer liner, 0.022" stainless steel inner liner, two open ends, 35 psf.

UUT Mounting Details:



Rigid base mounted using (24) 1/2" Grade 8 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 1 row single steam coil Cu tube & Al fin, Daikin Applied 3 row single DX coil, Cu tube & Al fin Daikin Applied 1 row single CW/HW coil Cu tube & Al fin, Daikin Applied 2 row single CW/HW coil Cu tube & Al tube, Daikin Applied fan (13MQP), Daikin Applied (DDPL12), Baldor belt drive motor 1HP-230/460V PN: EM3116T, TECO direct drive motor 1HP-460V PN: DHP0014, ABB VFD, 1HP-460V PN: ACS320, Danfoss VFD, 1HP-460V PN:FC102, Daikin Applied control dampers UltraSeal 14"x32"x18 & 14"x22"x10", Daikin Applied Filter Racks flat front, Daikin Applied cartridge/bag filters, Daikin Applied interior lights.

UUT 2

Test Report# PEER - STI/2012-19

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: OAH031GVAM
Serial Number: FB0U120900450

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
170	98	66	5,140

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
9.5	13.3	12.8

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard curb ready base, 6" galv. carbon steel base rail, 2" thick sandwich panel, 0.022"/0.046" galv. carbon steel outer liner, 0.022"/0.046" galv. carbon steel inner liner w/ sound panels, one open end, 44 psf.

UUT Mounting Details:



Rigid base mounted to 12" VMC P6000S curb using (10) 3/16" x 3" long welds. Curb rigid base mounted to table using (20) 1/2" Grade 8 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 12CAF bottom horizontal fan, Daikin Applied 24CAF down blast fan, 1HP(230/460V) Baldor belt drive motor, 30HP(230/460V) ABB VFD, Schneider enclosure, filter racks, cartridge/bag filters.

UUT 3

Test Report# PEER - STI/2012-19

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: CAH102GVAM
Serial Number: FB0U120801550

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
122	142	134	7,390

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
8.2	6.0	>33.3

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard base, 12" galv. carbon steel base rail, 2" thick sandwich panel, 0.022" galv. carbon steel outer liner, 0.022" stainless steel inner liner w/ sound panels, two open ends, 61 psf.

UUT Mounting Details:



Rigid base mounted using (8) 5/8" Grade 8 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 40BAF top horizontal fan, 75HP(230/460V) Baldor belt drive motor, 75HP(200/460V) Danfoss VFD, Schneider enclosure.

UUT 4

Test Report# PEER - STI/2012-19

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: CAH102GVAM
Serial Number: FB0U120801546

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
136	142	130	15,020

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
4.3	4.5	>33.3

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.022" galv. carbon steel outer liner, 0.022" galv. carbon steel inner liner w/ sound panels, one open end, 112 psf.

UUT Mounting Details:



Rigid base mounted using (8) 5/8" grade 8 bolts. CW, DX coils sustained damage but were retested successfully after design change. Other items within unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 20BAF up blast fan, 2HP(230/460V) Baldor belt drive motor.

Note: other subcomponents were tested in this unit but were not certified due to anomalies observed.

UUT 5

Test Report# PEER - STI/2012-19

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: OAH102GVDM
Serial Number: FB0U120801339

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
124	142	130	8,690

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
5.2	4.5	5.0

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard curb ready base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.022"/0.046" galv. carbon steel outer liner, 0.022" stainless steel inner liner w/ sound panels, one open end, 71 psf.

UUT Mounting Details:



Rigid base mounted to 36" VMC P6000S curb using (8) 3/16" x 3" long welds. Curb rigid base mounted to table using (24) 1/2" Grade 8 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 60MQP fan, 75HP(230/460V) Baldor belt drive motor, Daikin Applied control dampers, Daikin Applied weather hoods.

UUT 7

Test Report# 12544 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: CAC102GBAM
Serial Number: N/A

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
112	142	130	8,654

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
3.4	4.0	3.9

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.046" galv. carbon steel outer liner, 0.022" galv. carbon steel inner liner w/ sound panels, one open end, 78 psf.

UUT Mounting Details:



Rigid base mounted using (6) 5/8" Grade 8 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 2 row triple stack CW/HW coil, Daikin Applied 10 row double stack CW/HW coil, Daikin Applied/AAF HEPA filters.

UUT 8

Test Report# 12544 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: CAH102GBGM
Serial Number: N/A

Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52	
1.93	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
126	142	130	10,888

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
4.8	3.9	4.3

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.046" galv. carbon steel outer liner, 0.022" stainless steel inner liner w/ sound panels, one open end, 88 psf.

UUT Mounting Details:



Rigid base mounted using (6) 5/8" Grade 8 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 2 row triple stack steam coil, Daikin Applied 10 row double stack DX coil, Daikin Applied DDPL44 fan, 75HP(230/460V) TECO direct drive motor.

UUT 9a

Test Report# 12544 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: CAH102GVAM
Serial Number: N/A

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
146	142	130	8,914

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
4.6	3.6	4.9

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.046" galv. carbon steel outer liner, 0.022" galv. Carbon steel inner liner w/ sound panels, one open end, 62 psf.

UUT Mounting Details:



Rigid base mounted using (6) 5/8" Grade 8 bolts. 920 BAF upblast fan deck came loose due to improper installation. Other items within the unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied/AAF cartridge/bag filters, Vibro-Acoustics sound attenuators.

Note: other subcomponents were tested in this unit but were not certified due to anomalies observed.

UUT 9b

Test Report# 12544 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: CAH102GVAM
Serial Number: N/A

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
1.93	1.0	1.3	3.5	1.5	3.08	2.07	1.29	0.52
1.93	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
60	142	130	2,736

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
5.4	5.3	28.6

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-2024	Standard base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.046" galv. carbon steel outer liner, 0.022" galv. carbon steel inner liner w/ sound panels, one open end, 46 psf.

UUT Mounting Details:



Rigid base mounted using (4) 5/8" Grade 8 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 20BAF up blast fan, 1HP(230/460V) Baldor belt drive motor.

UUT 10

Test Report# 13332 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: OAH031GVAM
Serial Number: N/A

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.34	0.54
2.00	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
166	98	68	4,965

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical ³
7.6	6.9	8.1

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Unitized curb ready base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.022"/0.046" galv. carbon steel outer liner, 0.022"/0.046" galv. carbon steel inner liner, one open end, 44 psf.

UUT Mounting Details:



Rigid base mounted to 12" Thybar Thycurb using (6) attachment brackets with (7) 1/4" TEK screws each. Curb rigid base mounted to table using (28) 1/2" Grade 8 bolts at 16" o.c.. Fan (24CAF) and VFD anchorage sustained damage due to manufacturing defect. Components were successfully tested in UUT 2 with correct anchorage details. Other items within unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

³Test report recorded incorrect value for vertical natural frequency. Plot in test report shows correct value (page 38).

List of Included Subcomponents

Daikin Applied 12CAF bottom horizontal fan, 1HP(230/460V) Baldor belt drive motor.

UUT 13

Test Report# 13332 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: OAH100GVAM
Serial Number: N/A

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.34	0.54
2.00	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
136	140	130	11,185

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
2.3	1.2	5.4

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Unitized curb ready base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.022" galv. carbon steel outer liner, 0.022" galv. carbon steel inner liner w/ sound panels, two open ends, 85 psf.

UUT Mounting Details:



Rigid base mounted to 36" Thybar Thycurb using (12) attachment brackets with (7) 1/4" TEK screws each. Curb rigid base mounted to table using (62) 1/2" Grade 8 bolts at 8" o.c.. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Daikin Applied 2 row triple stack steam coil, Daikin Applied 8 row double stack CW/HW coil, Daikin Applied 20CAF top horizontal fan, 2HP(230/460V) Baldor belt drive motor.

UUT 12

Test Report# 13332 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: OAH100GVGM
Serial Number: N/A

Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.34	0.54	
2.00	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
122	142	130	7,725

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
3.1	5.5	2.9

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-2024

Construction/Option Summary

Standard curb ready base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.022"/0.046" galv. carbon steel outer liner, 0.022"/0.046" stainless steel inner liner, two open ends, 64 psf.

UUT Mounting Details:



Rigid base mounted using (10) 1/8" x 3" long welds 5-7" from ends and 48-60" o.c.. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

List of Included Subcomponents

Twin City Fan DDPL15 4x4 fan array, 1HP(200V,230/460V) Baldor direct drive motor, 1HP(200V) TECO direct drive motor, 4HP(460V) ABB VFD, Schneider enclosure, Ruskin backdraft dampers, Greenheck control dampers, Belimo actuators.

UUT 13

Test Report# 13332 Rev.2

Manufacturer: Daikin Applied
Model Line: Vision/Skyline Custom Air Conditioning Units
Model Number: OAH100GVHM
Serial Number: N/A

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.34	0.54
2.00	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in) ¹	Weight (lbs.) ²
126	140	130	9,995

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
1.8	2.7	5.1

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-2024	Unitized curb ready base, 8" galv. carbon steel base rail, 2" thick sandwich panel, 0.022"/0.046" galv. carbon steel outer liner, 0.022" galv. carbon steel inner liner w/ sound panels, two open ends, 82 psf.

UUT Mounting Details:



Rigid base mounted to 36" Thybar Thycurb using (10) attachment brackets with (7) 1/4" TEK screws each. Curb rigid base mounted to table using (58) 1/2" Grade 8 bolts at 8" o.c..

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

¹Listed height includes cabinet and base rail only. Mounting fixture and curb height (if applicable) is not included.

²Listed weight does not include mounting fixture or curb (if applicable).

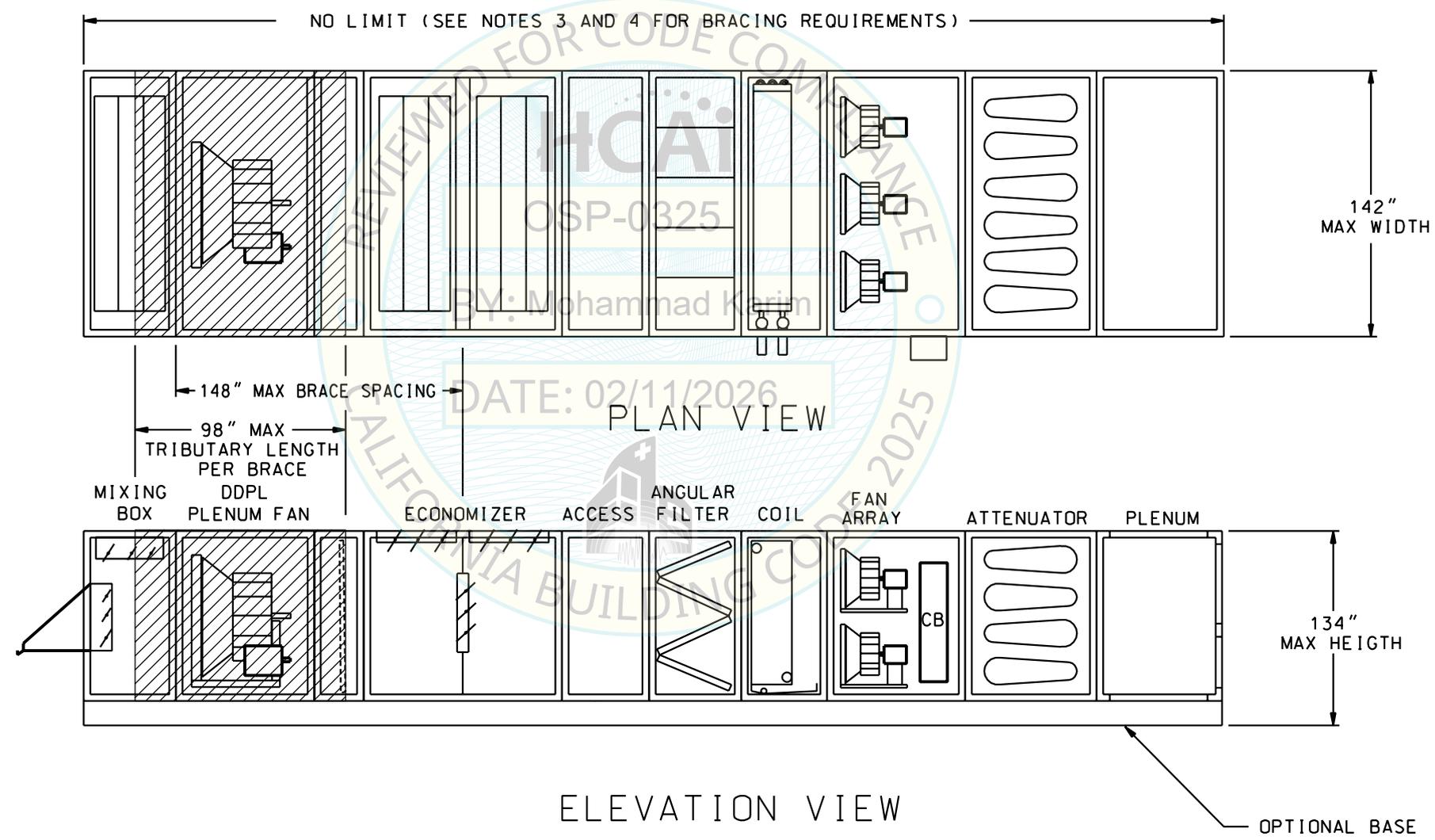
List of Included Subcomponents

Twin City Fan DDPL33 2x2 fan array, 50HP(230/460V) Baldor direct drive motor, 50HP(230/460V) TECO direct drive motor, 5HP(460V) ABB VFD, 75HP(200/460V) ABB VFD, Rittal enclosure, Ruskin backdraft dampers, Greenheck control dampers.

PART NUMBER	REV.	PART DESCRIPTION	RAW MATERIAL DESCRIPTION	RAW MATERIAL PART NO.
0577115	32 0	UNIT ARRANGEMENT OSHPD		

NOTES:

1. Certified cabinet construction and dimensions listed in table 1 of OSP.
2. Certified component details listed in tables 2-11 of OSP.
3. Maximum spacing between bracing elements: 148"
4. Maximum tributary length per bracing element: 98"
5. Bracing elements include:
 - A. Coils
 - B. Fans
 - C. Fan Arrays
 - D. Sound Attenuators
 - E. End walls
 - F. Internal wall perpendicular to airflow
6. Certified components can be reconfigured as needed. Spacing and tributary length requirements must be maintained for bracing elements.



APPR	APPR	APPR	CHK	DRN	DATE	ECO	INITIAL RELEASE	DESIGN SOURCE	APPR	APPR	APPR	CHK	DRN	DATE	ECO	REVISION CHANGE HISTORY	REV.	APPR	APPR	APPR	CHK	DRN	DATE	ECO	REVISION CHANGE HISTORY	REV.
			MT	MT	05-06-19																					
REVISION CHANGE HISTORY								REV.																		

TOLERANCE DATA	HOLES	UP TO .500	.005
		OVER .500	.005
	SHEET METAL	±.03	
	OTHER (MUST SPECIFY)	± 2°	
SCALE	NONE	DAIKIN APPLIED	
DRAWING NUMBER	0577115C 32	1 OF 2	
		SHEET	