

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 07/06/2026
Return Request: 07/30/2026
Project: Highlands Building at Pinnacle Hills
Supplier: Comfort Systems USA
Manufacturer: Daikin
Submittal: 23 64 00.01-02 Air Handling Unit and Condensing Unit
Submittal Number: 23 64 00 -01
Drawing # and Installation: Mechanical

ARCHITECT

Crafton Tull
Fayetteville, Ar

ENGINEER

IMEG

GENERAL CONTRACTOR

Clark Contractors
Rogers, Ar

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
116 Commercial Ave.
Lowell, AR 72745
(479) 770.8992

NOTES:

--

CSUSA PROJECT NO.
26-5034

jzuber@comfortar.com



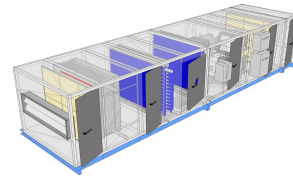
SUBMITTAL DATA

Job Name	Highlands Building at Pinnacle Hills
For	Air Handling Unit and Condensing Unit Spec section 236400.01 & 02
Sold To	Comfort Systems USA
Prepared For	IMEG
Prepared By	Harrison Energy Partners
Date	6/4/2026

Table of Contents

Technical Data Sheet - AHU-1	3
Fan Curve - AHU-1	10
Drawing - AHU-1	11
Technical Data Sheet - ACU-1	19
Condenser_Air_Cooled_DCSA_Drawings - ACU-1	22

Job Information		Technical Data Sheet
Job Name	Highlands Building at Pinnacle Hills	
Date	June 02 2026	
Submitted By	Sam Browning	
Software Version	13.93	
Unit Tag	AHU-1	



Unit Overview

Model Number	Air Volume cfm	Supply				
		Static Pressure		External Dimensions		
		External inWc	Total inWc	Height in	Width in	Length in
CAH019GDCM	5000	2.00	5.46	54*	72*	292

*Not including base rails, coil connectors, drain connectors and control boxes.

Unit

Model Number:	CAH019GDCM					
Approval:	ETL Listed / ETL Listed to Canadian Safety Standards (ETL Label / ETLc Label)					
Outer Panel:	24 gauge G90 Galvanized Steel (unpainted)					
Liner:	24 gauge Galvanized Steel (unless noted per section)					
Insulation:	R-13 Injected Foam					
Unit Configuration:	Inline horizontal			Drive (Handling) Location:	Right	
Base:	4" formed channel			Wall Thickness:	2 in	
Altitude:	0 ft			Parts Warranty:	Standard One Year	

Mixing Box			Component: 1		Length: 26 in		Shipping Section: 1		
Portion	Size (Width x Height)		Damper Location	Type	Actuation	Blade Action	Rated CFM	Air Pressure Drop	Quantity
	Overall	Opening							
	Outside Air	68 in x 18 in	58 in x 14 in	End	UltraSeal Low Leak				
Return Air	No opening	No opening		None		None	5000 cfm		0
Filter Data									
Type	Efficiency	Nominal Face Velocity	Actual Face Velocity	Actual Face Area	Air Volume	Filter Loading			
Pleated	MERV 8	250 ft/min	265 ft/min	18.9 ft²	5000 cfm	Side			
Air Pressure Drop				Number of Filters	Height	Width	Depth		
Clean Air	Mean Air	Dirty Air	User Spec						
0.10 inWc	0.55 inWc	1.00 inWc	0.35 inWc	4	24 in	24 in	2 in		
				2	24 in	12 in	2 in		
Door									
Location			Width			Opening			
Drive side			22 in			Outward			

AHU-1

Technical Data Sheet

IFB Hot Water Coil		Component: 2		Length: 36 in		Shipping Section: 1	
Coil Model	Total Capacity	Number of Coils	Number of Rows	Fins per Inch	Tube Diameter	Tube Spacing (Face x Row)	
HMW11AS45.951.030.50	368200 Btu/hr	1	3	11	0.625 in	1.50 in x 1.299 in	
Coil Operating Weight							
NA lb							
Air Volume	Air Temperature		Coil Air Pressure Drop	Finned Height	Finned Length	Face Area	Face Velocity
	Entering	Leaving					
	Dry Bulb	Dry Bulb					
5000 cfm	0.0 °F	68.3 °F	0.16 inWc	43 in	51 in	15.21 ft²	334 ft/min
Water							
Entering		Leaving		Flow Rate		Pressure Drop	
140.0 °F		108.7 °F		23.55 gpm		6.30 ftHd	
Connection [Data Per Coil]						Fouling Factor	
Type	Size	Location	Material				
Threaded	2.50 in	Drive side	Carbon steel	0.000			
Material							
Fin	Tube	Header			Case		
Aluminum .0075 in	Copper .035 in	Carbon Steel			Galv. steel		
Access Section		Component: 3		Length: 24 in		Shipping Section: 1	
Air Pressure Drop							
0.00 inWc							
Door							
Location		Width			Opening		
Drive side		20 in			Outward		

Chilled Water Coil		Component: 4		Length: 54 in		Shipping Section: 1			
Coil Model	Total Capacity	Sensible Capacity	Number of Coils	Number of Rows	Fins per Inch	Tube Diameter	Tube Spacing (Face x Row)		
5WL1108C	397868 Btu/hr	268681 Btu/hr	1	8	11	0.625 in	1.50 in x 1.299 in		
Coil Operating Weight				Coil Dry Weight					
608 lb				450 lb					
Air Volume	Air Temperature				Coil Air Pressure Drop	Finned Height	Finned Length	Face Area	Face Velocity
	Entering		Leaving						
	Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb					
5000 cfm	100.0 °F	75.0 °F	50.9 °F	50.7 °F	0.84 inWc	42 in	59 in	17.21 ft²	291 ft/min
Fluid									
Entering	Leaving	Flow Rate	Pressure Drop	Velocity	Fluid Volume	Fluid Weight			
42.0 °F	55.1 °F	62.30 gpm	11.10 ftHd	3.20 ft/s	18.0 gal	158.00 lb			
Connection [Data Per Coil]				Glycol Type	Min. Fin Surface Temp.	Min. Tube Wall Surface Temp.	Fouling Factor		
Type	Size	Location	Material	Propylene (25%)	42.0 °F	42.0 °F	0.000		
Threaded	2.50 in	Drive side	Carbon steel						
Material					Drain Pan	Drain Side			
Fin	Tube	Header	Case						
Aluminum .0075 in	Copper .020 in	Copper	Galv. steel	Stainless steel		Drive side			
AHRI 410 Certification									
Coil is NOT certified by AHRI									
Door									
Location	Width	Opening	Window Type	UVC Light					
Drive side	30 in	Outward	Round	UVC Lights					
UV Lights									
Size	Quantity	Total Amp Load (at 120V)							
18"	0	0.0							
24"	2	1.0							
36"	2	1.6							
Special Options									
Sound Baffle									
(As casing details)									

AHU-1

Technical Data Sheet

Direct Expansion Coil		Component: 5		Length: 52 in		Shipping Section: 2			
Coil Model	Total Capacity	Sensible Capacity	Number of Coils	Number of Rows	Fins per Inch	Tube Diameter	Tube Spacing (Face x Row)		
4EJ1108B020	366948 Btu/hr	252006 Btu/hr	1	8	11	0.500 in	1.50 in x 1.299 in		
Coil Operating Weight									
714 lb									
Air Volume	Air Temperature				Coil Air Pressure Drop	Finned Height	Finned Length	Face Area	Face Velocity
	Entering		Leaving						
	Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb					
5000 cfm	100.0 °F	75.0 °F	51.0 °F	50.9 °F	0.48 insWg	43.75 in	59.00 in	17.93 ft²	279 ft/min
Fluid		Sub-Cooled Refrigerant Liquid Temp.	Suction Vapor Superheat Temp. at Coil Outlet	Design Saturated Condensing Temp.	Total Refrigerant Weight	Total Coil Volume			
Suction Temp.	Refrigerant								
47.0 °F	R32	110.0 °F	8.0 °F	110.0 °F	13.00 lb	1.89 ft³			
Connection [Data Per Coil]						Min. Fin Surface Temp.	Min. Tube Wall Surface Temp.		
Type	Liquid [Qty - Size]	Suction [Qty - Size]	Location	Material					
OD Sweat	2-0.875 in	2-1.375 in	Drive side	Copper tube	32.0 °F	32.0 °F			
Material					Drain Pan	Drain Side			
Fin	Tube	Header	Case						
Aluminum .0075 in	Copper .025 in	Copper	Galv. steel	Stainless steel	Drive side				
Control Panel									
Location:		Factory Installed		Voltage:		120			
Height x Width x Depth:		16.00 in x 12.00 in x 9.00 in		MCA:		2A			
Equipment:		Leak Detection		MOP:		10A			
Enclosure:		NEMA 3		Wiring Harness:		Factory Wired			
Total Refrigerant Weight is the total for all circuits of all coils in this coil section and is estimated. Refer to the AHU and Condensing Unit IOMs for recommendations on system start-up.									
Minimum allowable face velocity = 150 fpm									
80% liquid to 20% vapor is the assumption used for the charge calculation.									
Volume includes coil fin pack and header.									
Harness is wired from refrigerant sensor to the refrigerant detection control panel. A separate field connection is required for 120V power.									
AHRI 410 Certification									
Coil is NOT certified by AHRI									
Door									
Location		Width			Opening				
Drive side		24 in			Outward				

Supply Fan Array				Component: 7		Length: 24 in		Shipping Section: 2			
Fan Performance											
Air Volume*	Static Pressure			Fan Energy Index(FEI)	Total Input Power	Fan Shaft Power*	Fan Wheel Speed		Redundancy(N-1)	Fan Circuit	
	External	Total	Cabinet				Operating	Maximum			
1667 cfm	2.00 inWc	5.46 inWc	0.50 inWc	1.30	6.1 kW	2.48 BHP	2992 rpm	3300 rpm	100.0 %	20.0 A	15.3 A
Fan Data											
Fan Type		Blade Type / Class		Quantity of Fans		Wheel Diameter		Number of Blades		Discharge	
ECM / 2x2 : 3		Airfoil / N/A		3		13.98 in		5		Axial	
Motor Data											
Power*		Electrical Supply			Speed		Input Control Signal			Full Load Current*	
4.4 HP		460/60/3 V/Hz/Phase			3230 rpm		0-10V or 4-20mA			4.70 A	
Fan Options											
Isolation Backdraft Dampers:		Provided					Piezometer Ring:		1 ring per array		
Piezometer Delta P:		1.48					Transducer:		Output signal = 4-20 mA Input power = 10-35 VDC or 16-26 VAC		
Isolator Type:		Rigid									
Control Data											
Selection Type:		Integrated Drive					Vendor:		Daikin Applied		
Auxiliary Control:		Disconnect w/ motor starter					Voltage:		460 v		
Disconnect Type:		Fused					Height x Width x Depth:		23.60 in x 15.75 in x 10.76 in		
Mounting:		Drive Side					Enclosure:		NEMA 3R		
Control box:		Premium controls, unit mounted power box, drive side									
Panel											
Location				Width				Opening			
Removable panels				- in				Outward			
Special Options											
Sound Baffle											
(As casing details)											
Special Text											
OSA Measuring station											
Notes											
* after a unit label denotes the data per fan.											
Due to multi-sourcing of ECM fans, motor nameplate electrical data values MOP, MCA and Full Load Current may be equal to or less than presented.											
Due to multi-sourcing of ECM fans, motor nameplate Power may be greater than presented.											

Access Section		Component: 8		Length: 24 in		Shipping Section: 2	
Air Pressure Drop							
0.00 inWc							
Door							
Location		Width		Opening			
Drive side		20 in		Outward			

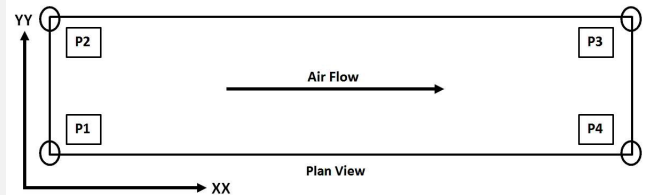
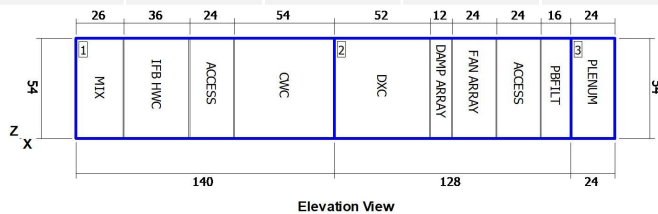
Combination Filter			Component: 9			Length: 16 in			Shipping Section: 2		
Access		Nominal Face Velocity		Actual Face Velocity		Actual Face Area		Air Volume			
Front		250 ft/min		265 ft/min		18.9 ft²		5000 cfm			
Portion	Type	Efficiency	Air Pressure Drop				Number of Filters	Height	Width	Depth	
			Clean Air	Mean Air	Dirty Air	User Spec					
Pre-Filter	None	MERV 8	0.01 inWc	0.01 inWc	0.01 inWc	N/A	4	24 in	24 in	2 in	
							2	24 in	12 in	2 in	
Filter	Varicel II MH	MERV 13	0.30 inWc	0.90 inWc	1.50 inWc	N/A	4	24 in	24 in	4 in	

cartridge									
Special Options									
Sound Baffle					Filter Gauge				
(As casing details)					Magnehelic 0-2"				

Plenum Section		Component: 10		Length: 24 in		Shipping Section: 3					
Air Pressure Drop											
0.14 inWc											
Custom Openings											
Custom Opening		Location		Width		Height		Rainhood w/Screen			
1		End		24 in		20 in		None			
Door											
Location				Width				Opening			
Drive side				20 in				Outward			

Unit Sound Power (dB)								
Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated:	64	54	48	41	39	41	46	51
Unit Discharge:	64	54	48	41	39	41	46	51
Unit Return:	64	54	48	41	39	41	46	51

Shipping Section Details									
Section	Length in	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	140	2568	659	636	641	664	70	35	28
2	128	2562	821	740	460	541	50	34	27
3	24	319	57	57	102	103	15	36	27
Entire Unit	292	5449	1492	1387	1249	1354	139	35	27



NOTE: Special components aren't included in the corner weights and center of gravity data.

NOTE: Shipping weights listed do not include weight of water (listed in coil section(s) above).

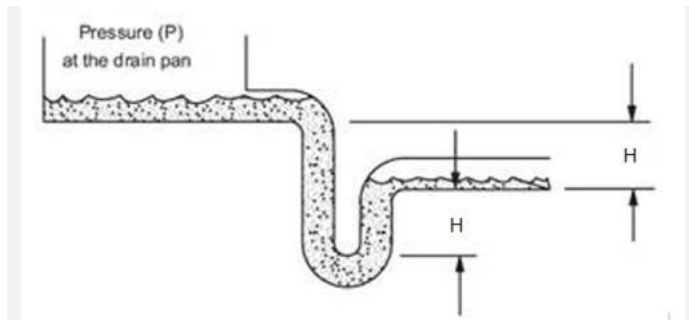
Shipping Protection	None
---------------------	------

Supply Static Pressure Drop

Component	Option	Static Pressure Drop
Mixing Box	Filter	0.35 insWg
Mixing Box	Mixing Box	0.08 insWg
Hot Water Face and Bypass Coil	Hot Water Face and Bypass Coil	0.16 insWg
Access Section	Access Section	
Chilled Water coil	Chilled Water coil	0.84 insWg
DX Coil	DX Coil	0.48 insWg
Damper	Damper	0.50 insWg
Supply Fan	Cabinet	
Access Section	Access Section	
Panel and Cartridge Filter	Panel and Cartridge Filter	0.91 insWg
Plenum Section	Plenum Section	0.14 insWg
External Static	External Static	2.00 insWg
Total Supply Fan Static		5.46 insWg

Minimum Recommended Drain Pan Trap Dimensions

Shipping Section	Component	H
1	Chilled Water coil	3.36
2	DX Coil	4.32



Dimensions provided as a courtesy and are recommended minimums only. Daikin is not responsible for supplying or designing drain pan traps and is not responsible for any damage caused by incorrect trap heights. The dimensions listed above should be reviewed and approved by a licensed plumbing professional.

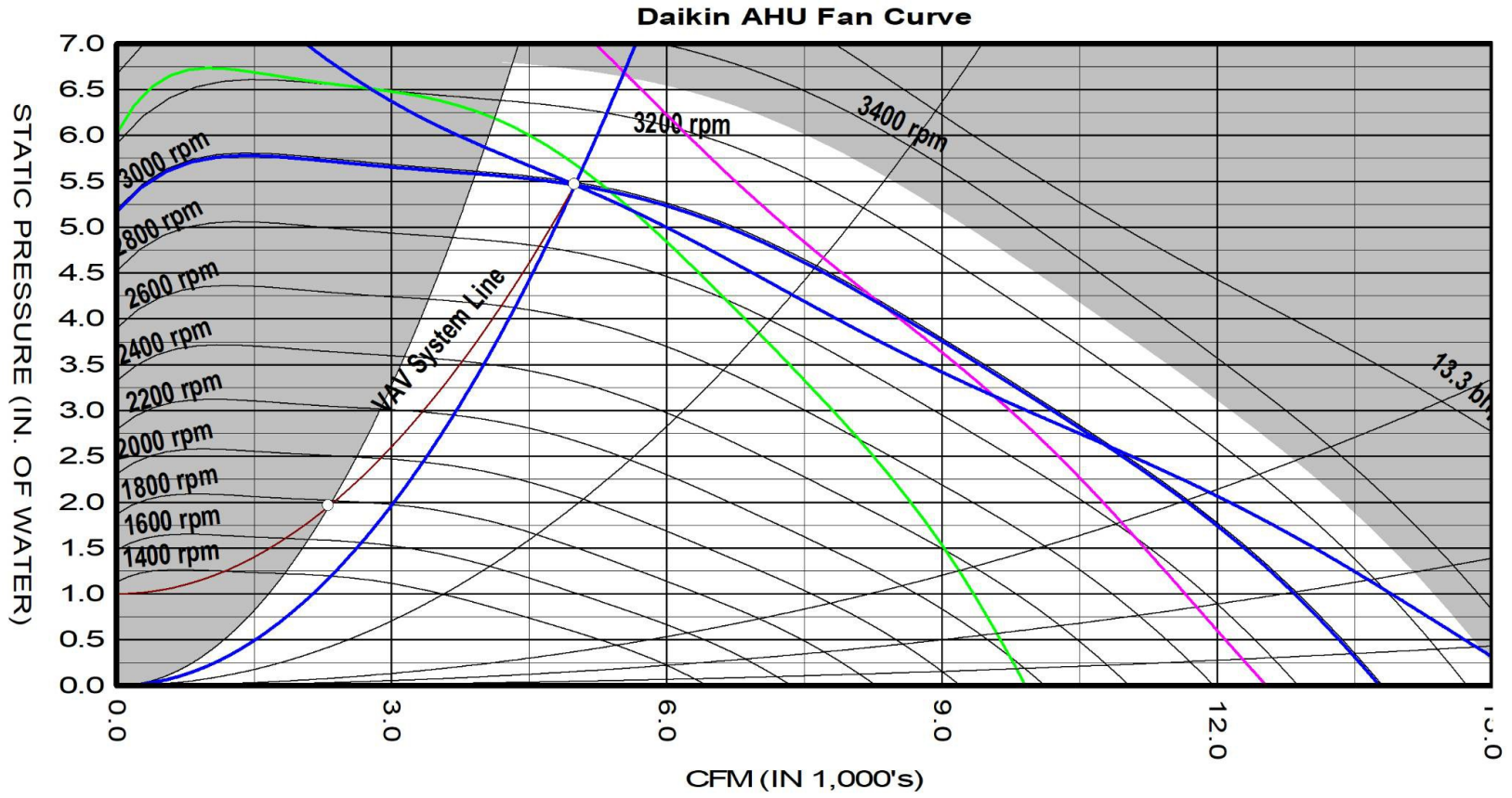
This calculation is based on an assumption that 0.25 inches of the external static pressure is in the return duct and the remainder is in the supply duct. If actual conditions vary from this assumption then contact Applications for new trap height recommendations.

AHRI Certification

Certified by the AHRI Central Station Air-Handling Unit (AHU) Certification Program, which is based on AHRI Standard 430/431. AHRI certified units are subject to rigorous and continuous testing, have performance ratings independently measured and are third-party verified. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes**Standard**

1. As a standalone component, unit meets or exceeds requirements of ASHRAE 90.1 - 2007. The approving authority is responsible for compliance of multi - component building systems.
2. Note: Pre-filter media not provided by Daikin Applied, quantity and size data is for informational purposes only.

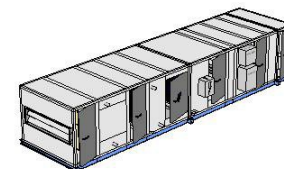


AHU-1

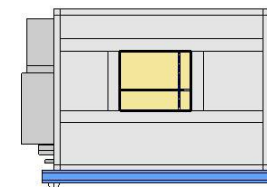
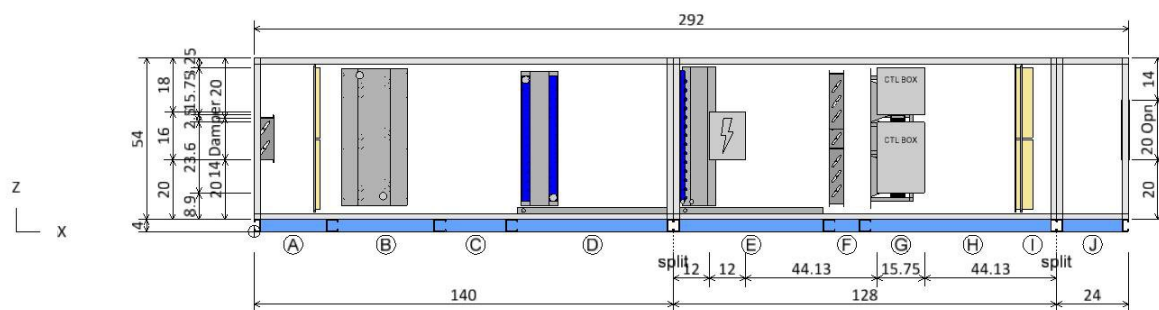
Fan Curve

DEL355 D LF 2x2 (3 Fans) Supply Fan at Standard Conditions					
Air volume	5000	cfm	Fan speed	2992	rpm
Total static	5.46	insWg	Max speed	3300	rpm
Fan Shaft Power	7.4	bhp	Efficiency	57.8	%
Minimum CFM	2317	cfm	Minimum Fan Speed	1772	rpm
Redundancy	100.0	%	Motor Speed	3230	rpm
Fan Energy Index(FEI) 1.30					
Unit tagging		AHU-1	Date June-02-2026		
Job name		Highlands Building at Pinnacle Hills	Time 15:27		

Drawing

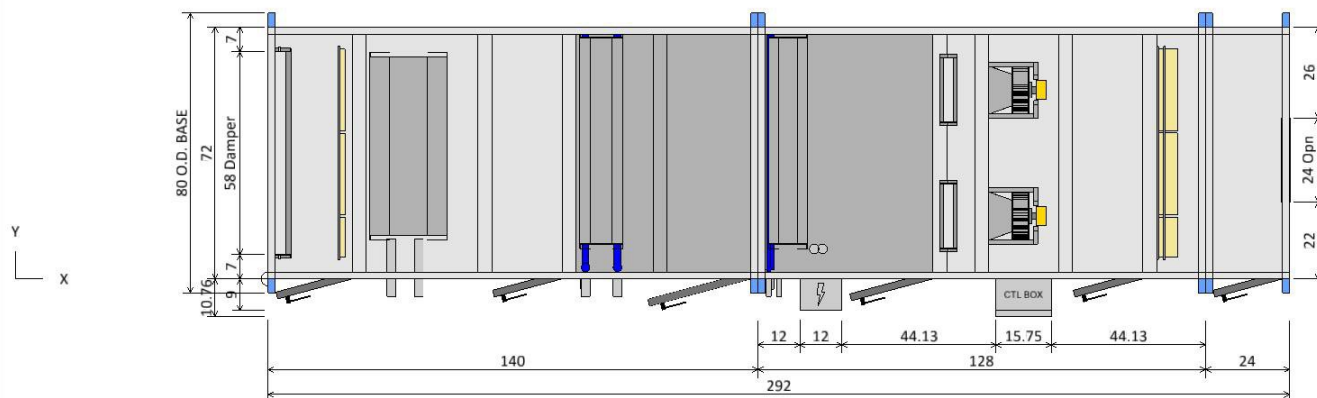


ISOMETRIC VIEW

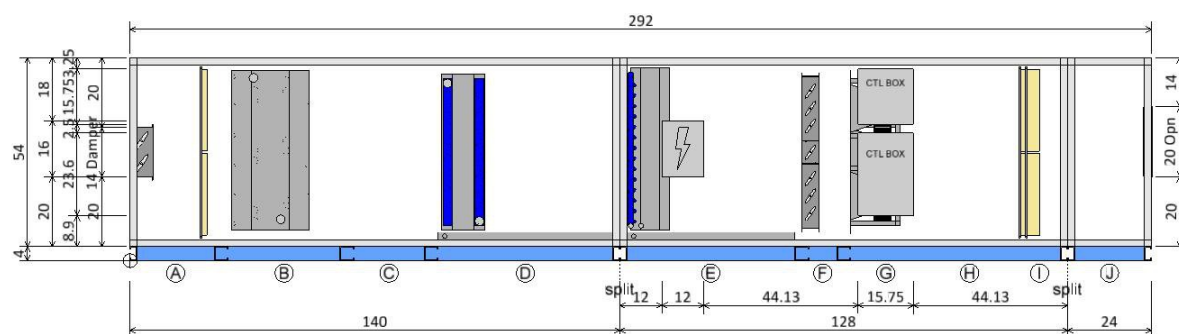


REAR END VIEW

FRONT END VIEW		REAR END VIEW			REAR END VIEW		
Plan/Elevation		Unit Tag: AHU-1			Sales Office: Harrison Energy Partners		
Product: Vision Air Handler		Project Name: Highlands Building at Pinnacle Hills			Sales Engineer: Sam Browning		
Model: CAH019GDCM		June 2, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in
 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 2.4.02							
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.							



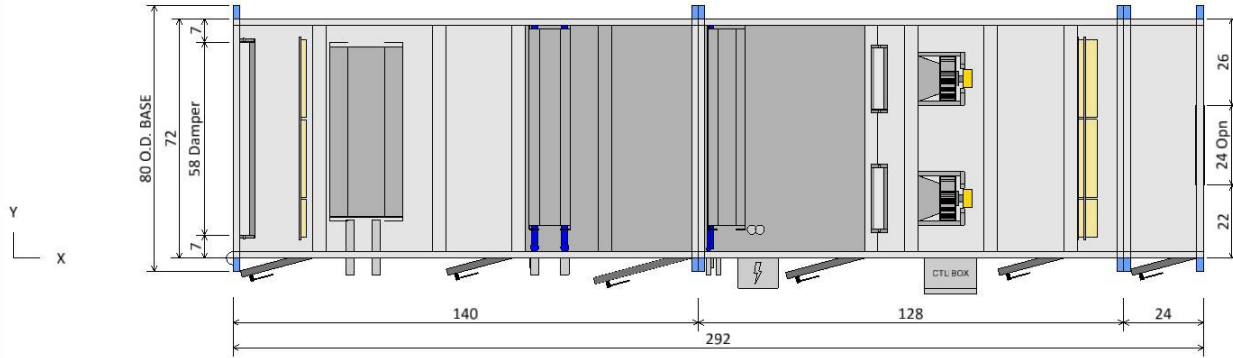
PLAN VIEW



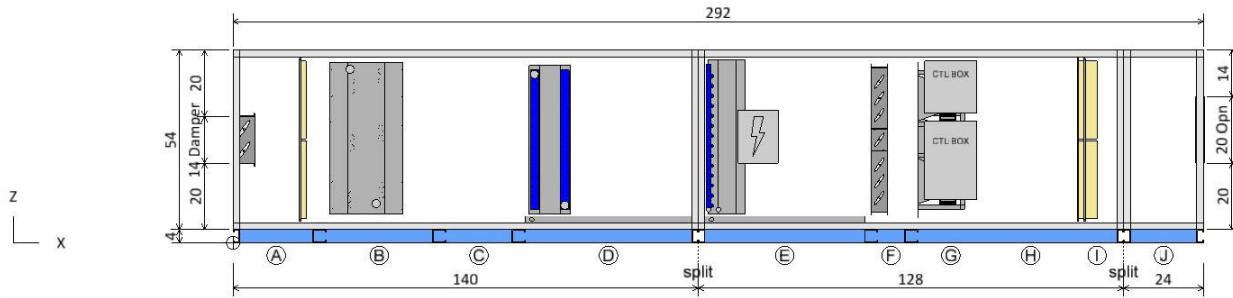
ELEVATION VIEW

Plan/Elevation - No Ends		Unit Tag: AHU-1		Sales Office: Harrison Energy Partners			 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 14.02
Product: Vision Air Handler		Project Name: Highlands Building at Pinnacle Hills		Sales Engineer: Sam Browning			
Model: CAH019GDCM		June 2, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.							

Component Key		
A	Mixing Box	
	Filter Type:	PerfectPleat HC M8
	Right Door (WxH):	22 ins x 50 ins
B	Hot Water Face and Bypass Coil	
	Total Capacity:	368200.0 Btu/hr
C	Access Section	
	Right Door (WxH):	20 ins x 50 ins
D	Chilled Water coil	
	Coil Model:	5WL1108C
	Total Capacity:	397868.0 Btu/hr
	Right Door (WxH):	30 ins x 40 ins
E	DX Coil	
	Coil Model:	4EJ1108B020
	Total Capacity:	366948.0 Btu/hr
	Right Door (WxH):	24 ins x 44 ins
F	Damper	
G	Supply Fan	
	Fan Type:	Centrifugal - Plenum
	Fan Size (Class):	355 (2)
	Air Flowrate:	1666.7 cfm
	T.S.P.:	5.5 insWg
	Motor Power:	4.4 HP
	Control box door swing:	15.75 ins
H	Access Section	
	Right Door (WxH):	20 ins x 50 ins
I	Panel and Cartridge Filter	
	Pre Filter Type:	None - Future Filter
	Cartridge Filter Type:	Varicel II MH
J	Plenum Section	
	Right Door (WxH):	20 ins x 50 ins



PLAN VIEW



ELEVATION VIEW

Component Key

Type	X	Y	Z	Wid	Hgt
Ⓐ Mixing Box	0.00	2.00	22.00	68.00	18.00
Ⓜ Outside air damper	0.00	2.00	22.00	68.00	18.00
Ⓜ Plenum Section	292.00	22.00	24.00	24.00	20.00
Ⓜ Opening	292.00	22.00	24.00	24.00	20.00

Note: Dimensions are measured from the origin point.
Note: Openings with or without dampers are recessed into the unit by approximately 1.75 in.

Opening/Damper Connections

Unit Tag: AHU-1

Sales Office: Harrison Energy Partners

Product: Vision Air Handler

Project Name: Highlands Building at Pinnacle Hill

Sales Engineer: Sam Browning

Model: CAH019GDCM

June 2, 2026

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

Tolerance: +/-0.25"

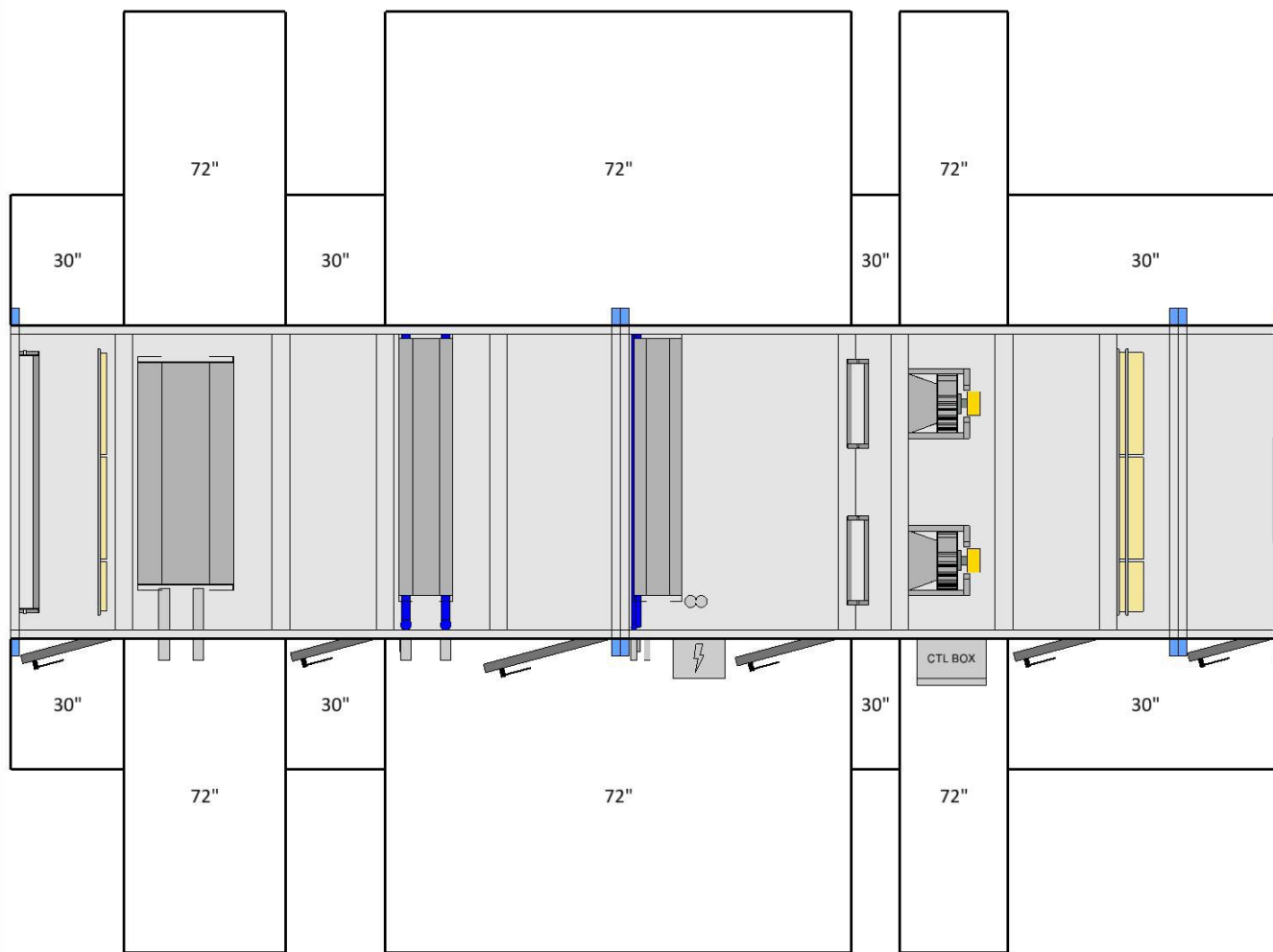
Dwg Units: in



13600 Industrial Park Blvd, Minneapolis, MN 55441
www.DaikinApplied.com Software Version: 14.02

All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.

6/4/2026



PLAN VIEW

Notes

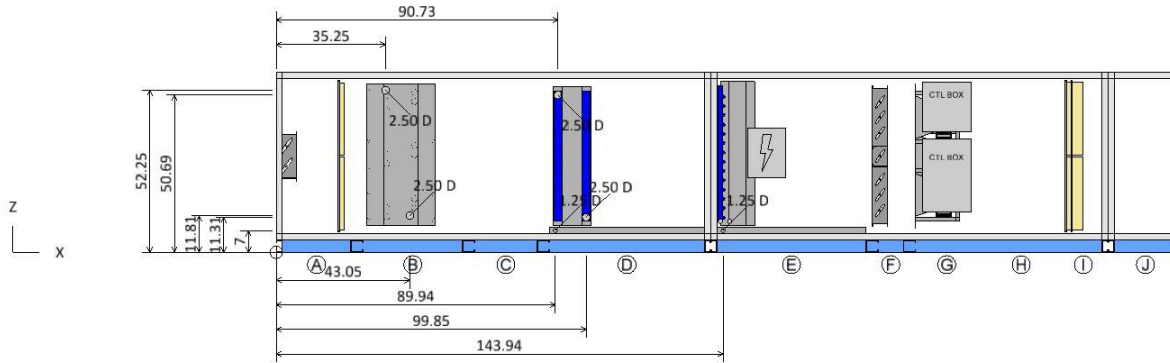
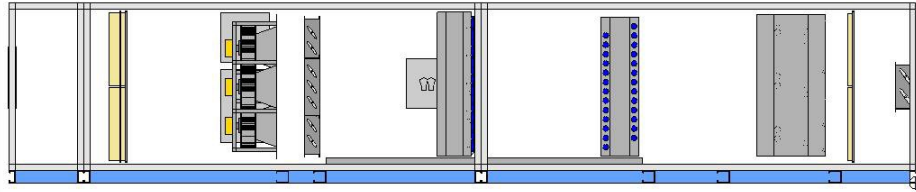
Check local electrical component service clearance codes for specific distances.

Access is only required on one side of the unit.

AHU-1

Drawing

Service Clearance View		Unit Tag: AHU-1		Sales Office: Harrison Energy Partners			 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 24.02
Product: Vision Air Handler		Project Name: Highlands Building at Pinnacle Hill		Sales Engineer: Sam Browning			
Model: CAH019GDCM		June 2, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	
					Dwg Units: in		
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.							



Coil and Drain Connections

	Type	X	Y	Z	Diam
B	Hot Water Face and Bypass Coil				
	Hot water inlet:	43.05	-7.00*	11.81	2.50
	Hot water outlet:	35.25	-7.00*	52.25	2.50
D	Chilled Water coil				
	Condensate drain conn:	89.94	-2.90	7.00	1.25
	Cold water inlet:	99.85	-7.00*	11.31	2.50
	Cold water outlet:	90.73	-7.00*	50.69	2.50
E	DX Coil				
	Condensate drain conn:	143.94	-2.90	7.00	1.25
	DX suction:	TBD	TBD	TBD	2- 1.38
	DX liquid conn:	TBD	TBD	TBD	2- 1.38
	DX liquid conn:	TBD	TBD	TBD	2- 0.88

Notes:

Dimensions are measured from the origin point.

* value varies +/- 1 in.

AHU-1

Drawing

Coil and Drain Connections

Unit Tag: AHU-1

Sales Office: Harrison Energy Partners

Product: Vision Air Handler

Project Name: Highlands Building at Pinnacle Hills

Sales Engineer: Sam Browning

Model: CAH019GDCM

June 2, 2026

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

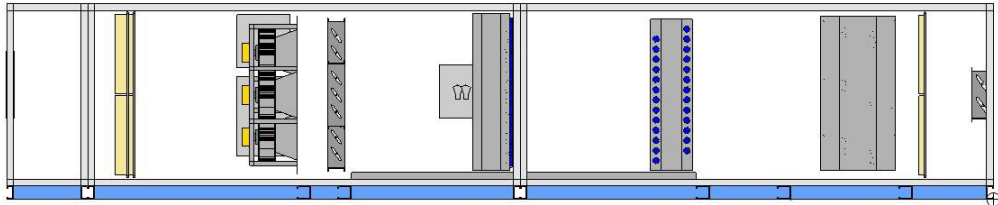
Tolerance: +/-0.25"

Dwg Units: in

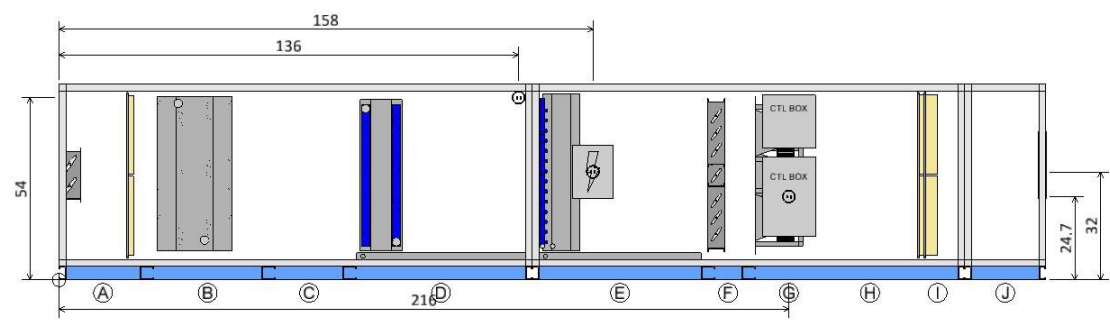


13600 Industrial Park Blvd, Minneapolis, MN 55441
www.DaikinApplied.com Software Version: 14.02

All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.



LEFT ELEVATION VIEW

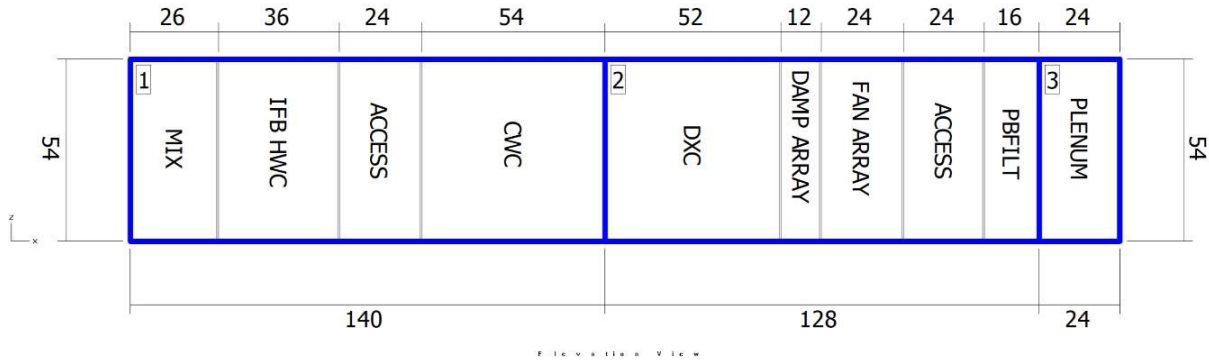


RIGHT ELEVATION VIEW

Component Key						
	Type	X	Y	Z	Volts	Phase
Ⓓ	Chilled Water coil	136.00	0.00	54.00	115	1
Ⓔ	DX Coil	158.00	0.00	32.00	120	1
Ⓖ	Supply Fan	216.00	0.00	24.70	460	3

Note: Dimensions are measured from the origin point.

Electrical Connections		Unit Tag: AHU-1			Sales Office: Harrison Energy Partners			 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 14.02
Product: Vision Air Handler		Project Name: Highlands Building at Pinnacle Hill			Sales Engineer: Sam Browning			
Model: CAH019GDCM		June 2, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in	
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.								

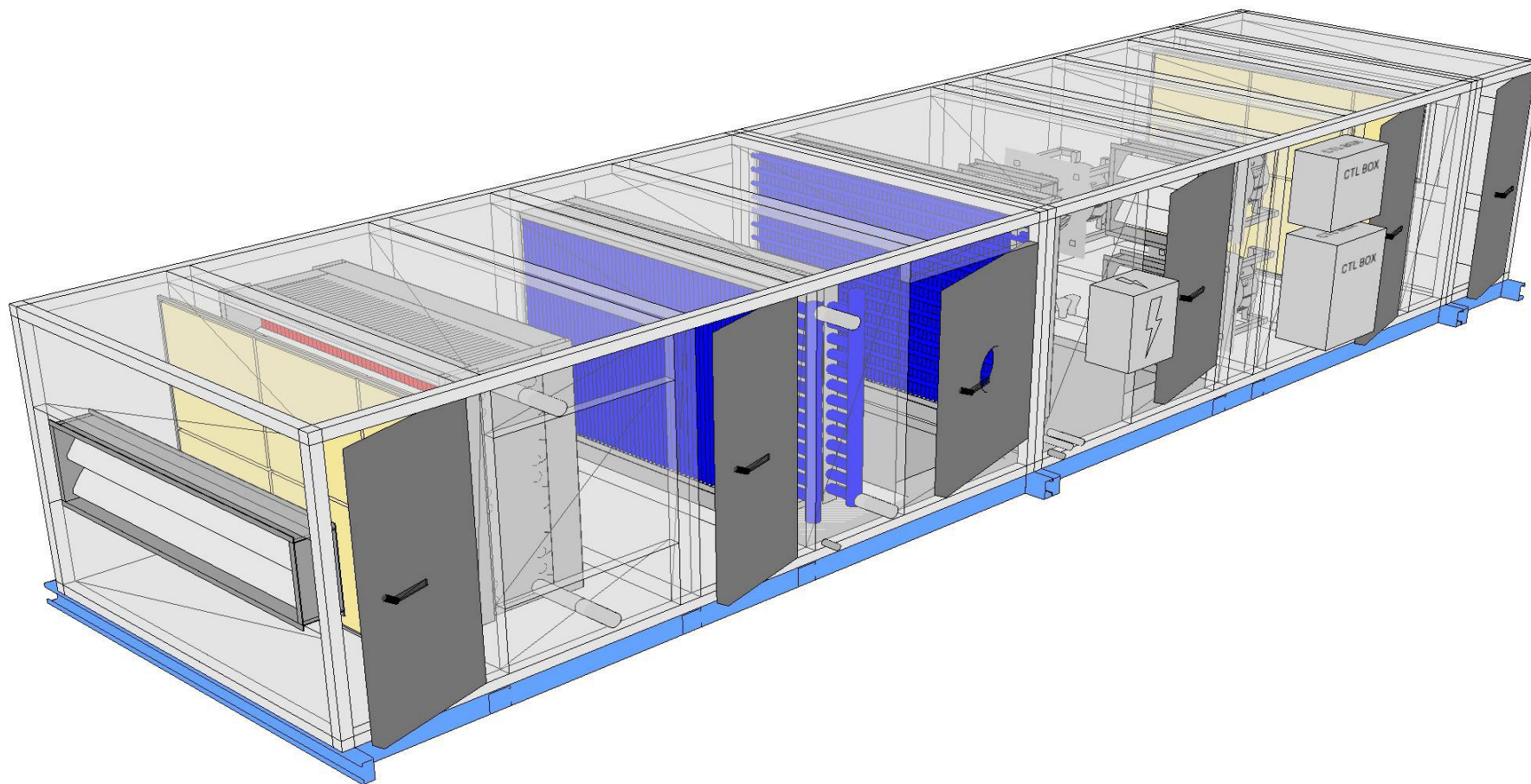


Shipping Sections					
Section	Weight (lb)	X	Y	Z	
Section 1	2567.54	140	72	54	
Section 2	2562.49	128	72	54	
Section 3	319.46	24	72	54	
Total Unit	5449.49	292	72	54	

Note: Base rails, curb ready base, coil connectors, drain connectors, and control boxes not included in height X, Y, Z dimensions. Shipping section may be 2" longer in air flow direction due to internal splice joint.

Shipping Sections		Unit Tag: AHU-1			Sales Office: Harrison Energy Partners			 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 14.02
Product: Vision Air Handler		Project Name: Highlands Building at Pinnacle Hills			Sales Engineer: Sam Browning			
Model: CAH019GDCM		June 2, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in	

All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.



Product Drawing		Unit Tag: AHU-1			Sales Office: Harrison Energy Partners			
Product: Vision Air Handler		Project Name: Highlands Building at Pinnacle Hill			Sales Engineer: Sam Browning			
Model: CAH019GDCM		June 2, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in	
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.								

13600 Industrial Park Blvd, Minneapolis, MN 55441
www.DaikinApplied.com Software Version: 14.02

Job Information		Technical Data Sheet
Job Name	Highlands Building at Pinnacle Hills	
Date	6/2/2026	
Submitted By	Sam Browning	
Software Version	11.60	
Unit Tag	ACU-1	



Unit Overview

Model Number	Voltage V/Hz/Phase	Total Refrigeration Effect Btu/hr	AHRI Conditions		ASHRAE 90.1	Altitude
			EER	IEER		
DCSA035	460/60/3	376093.0	11.9	16.7	2022 Compliant	0

Physical

Dimensions and Weight			
Length	Height	Width	Operating Weight
96.0 in	90.1 in	96.5 in	3286 lb
DCSA Connections			
Connection	Connection Sizes		
CIRCUITS	Circuit 1	Circuit 2	
Suction Line Circuit	1.125 in	1.625 in	
Liquid Line Circuit	0.875 in	0.875 in	
Hot Gas Reheat Circuit	N/A	N/A	

Unit Construction and Performance

Construction:	Exterior:	Pre-painted Steel 3000 hr Salt Spray ASTM B-117
---------------	-----------	---

Rigging Information	
Lugs per side	2 Lugs per Side

Electrical

Voltage	MCA	MROPD	SCCR
460/60/3 V/Hz/Phase	76.5 A	100 A	65 kAIC
Note:	Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.		

DX Cooling

Cooling Performance				
Capacity Total Btu/hr	Refrigerant Type	Ambient Air Temperature		Suction Temperature °F
		Dry Bulb °F	Wet Bulb °F	
376093.0	R32	100	75.0	47.0

Unit

Model Number:	DCSA035
Type:	Applied
Approval:	ETL - USA

Condensing Section

Compressor						
Type	Quantity	Refrigerant Charge		Total Power	Capacity Control/Min Turndown	Refrigerant Type
		Circuit1	Circuit 2			
Variable Scroll	3	29.3	29.9	28.2	variable capacity/10% compressor speed	R32
Compressor Amps:						
Compressor 1		Variable Speed			28.0 A	
Compressor 2		Fixed			15.1 A	
Compressor 4		Fixed			15.1 A	
Condenser Coil						
Type	Fins Per Inch			Rows	Fin Material	
Aluminum tube micro channel	18			Micro Channel	Aluminum	
Low Ambient Control:	Speedtrol low ambient - Operation to -10 degrees F					
Condenser Fan Motors						
Number of Motors				Full Load Current		
4				2.0 A		
Condenser Control				Speedtrol Modulating Control		
AHRI 360 Certified Data at AHRI 360 Standard Conditions						
Net Capacity		Efficiency			ASHRAE 90.1	
376093.0		11.9 EER		16.7 IEER		2022 Compliant

Sound

Casing Radiated Sound Power (db)							
63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
44	78	83	87	88	86	86	82

Options

Unit	
Hot Gas Bypass:	None
Condenser Coil Options:	Condenser with built in hail protection
Electrical	
Field Connection	Single Disconnect
Wiring Options	Standard
GFI Receptacle	Factory powered
Unit Control	
Temperature Controls:	No temp control, 115 V transformer
Low Ambient Control:	Speedtrol low ambient - Operation to -10 degrees F
Controls	
Unit Controls:	Full Refrigeration Only Controls

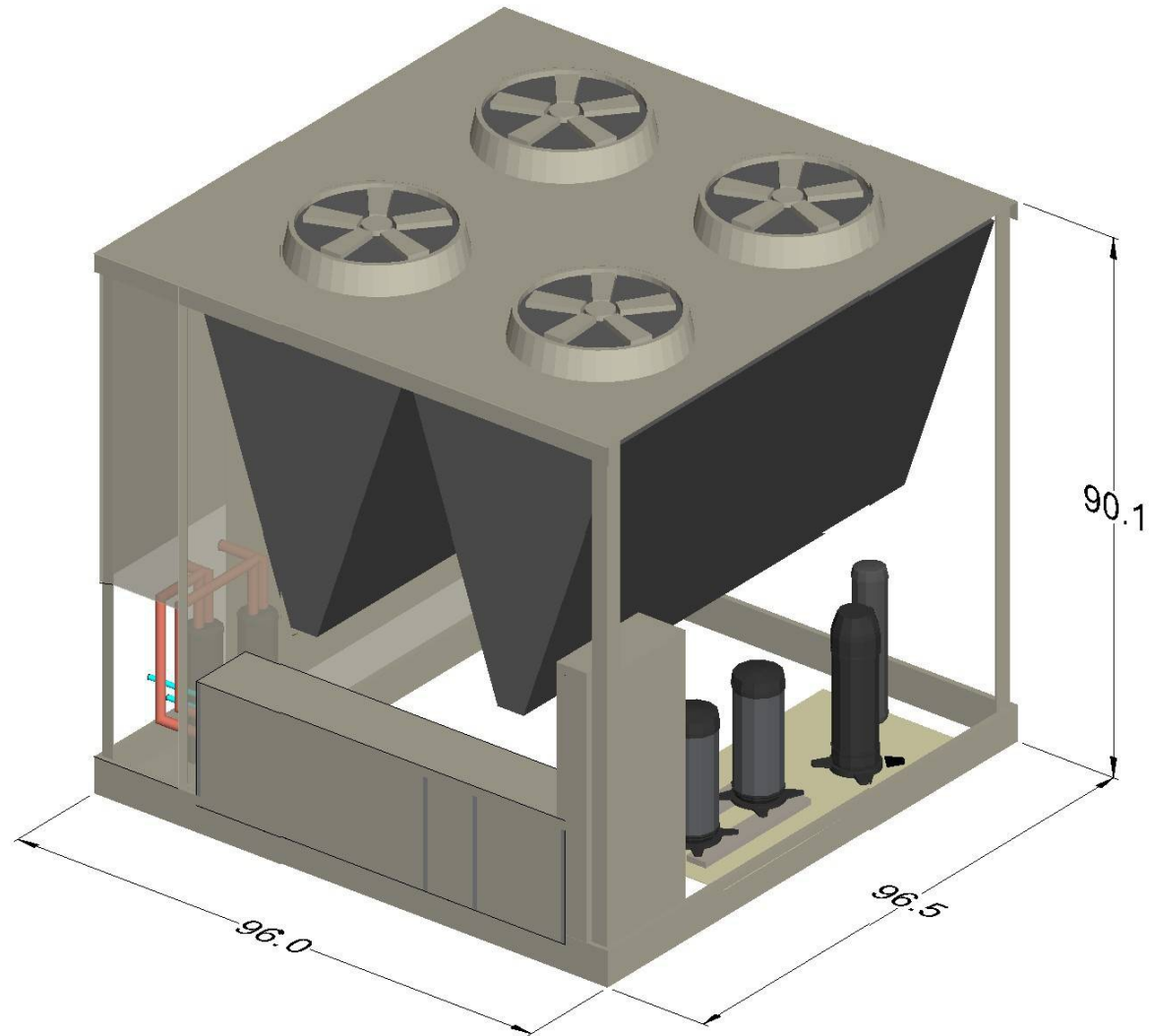
Warranty

Parts:	1 Year Parts
Compressor:	5 Year Compressor Warranty

AHRI Certification

All equipment is rated and certified in accordance with AHRI 360.

Accessories	
Optional	
Part Number	Description
910507065	150' Harness for Field installed Liquid Line Solenoid
910486378	150' Harness for Refrigerant Leak Detection

**Product Drawing**

Product:

Model: DCSA035

Unit Tag: ACU-1

Project Name: Highlands Building at

June 03, 2026

Ver/Rev:

Sheet: 1 of 1

Sales Office: Harrison Energy Partners

Sales Engineer:

Scale: NTS

Tolerance: +/- 0.25"

Dwg Units: in [mm]

13600 Industrial Park Blvd. Minneapolis, MN 55441
www.DaikinApplied.com Software Version: 11.60

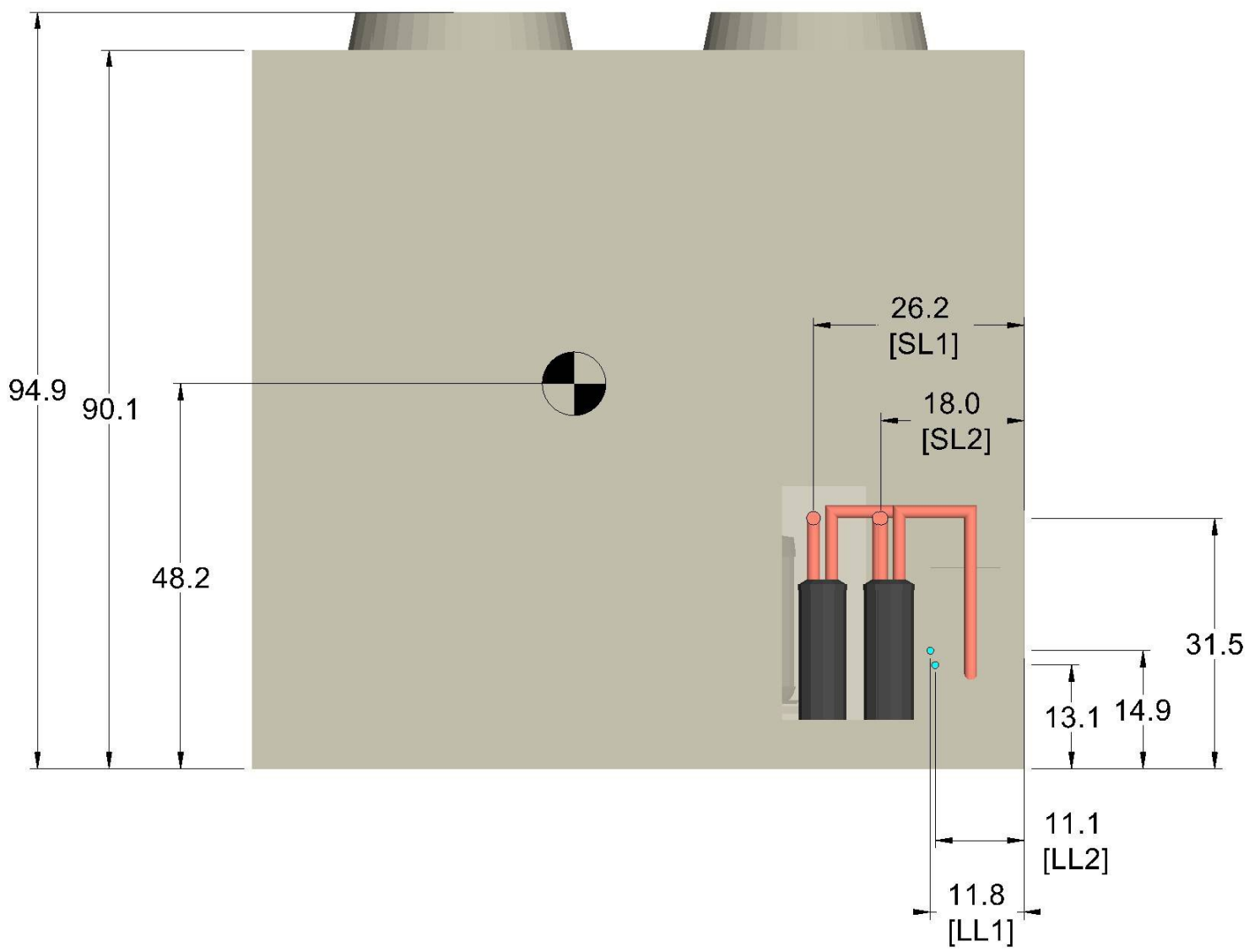
No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

S39X6R

Highlands Building at Pinn

23

6/4/2026

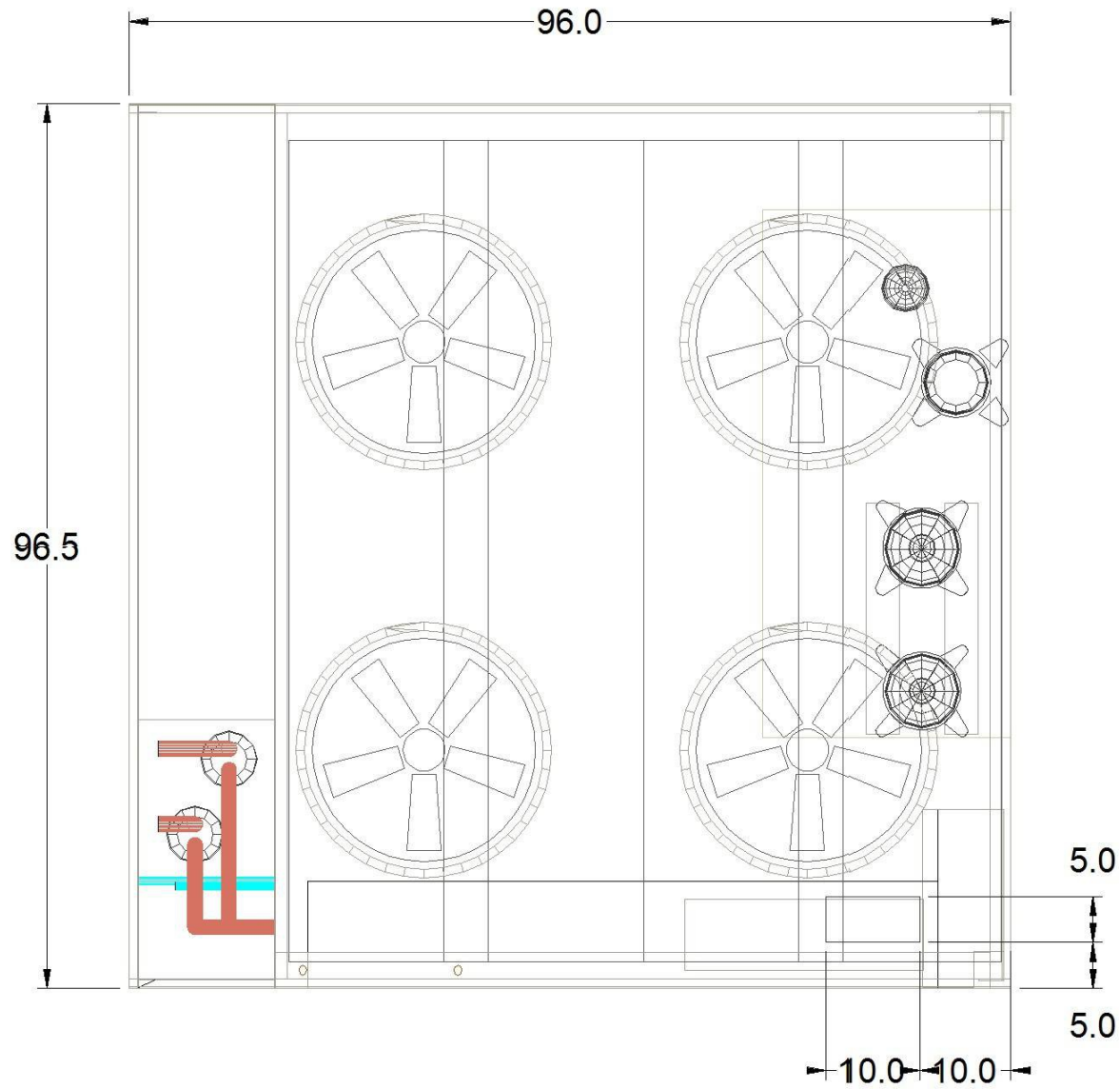


ACU-1

Condenser_Air_Cooled_DCSA_Drawings

Product Drawing		Unit Tag: ACU-1			Sales Office: Harrison Energy Partners			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.60
Product:		Project Name: Highlands Building at			Sales Engineer:			
Model: DCSA035		June 03, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in [mm]	

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

**Product Drawing**

Product:

Model: DCSA035

Unit Tag: ACU-1

Project Name: Highlands Building at

June 03, 2026

Ver/Rev:

Sheet: 1 of 1

Sales Office: Harrison Energy Partners

Sales Engineer:

Scale: NTS

Tolerance: +/- 0.25"

Dwg Units: in [mm]

13600 Industrial Park Blvd. Minneapolis, MN 55441
www.DaikinApplied.com Software Version: 11.60

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.

S39X6R

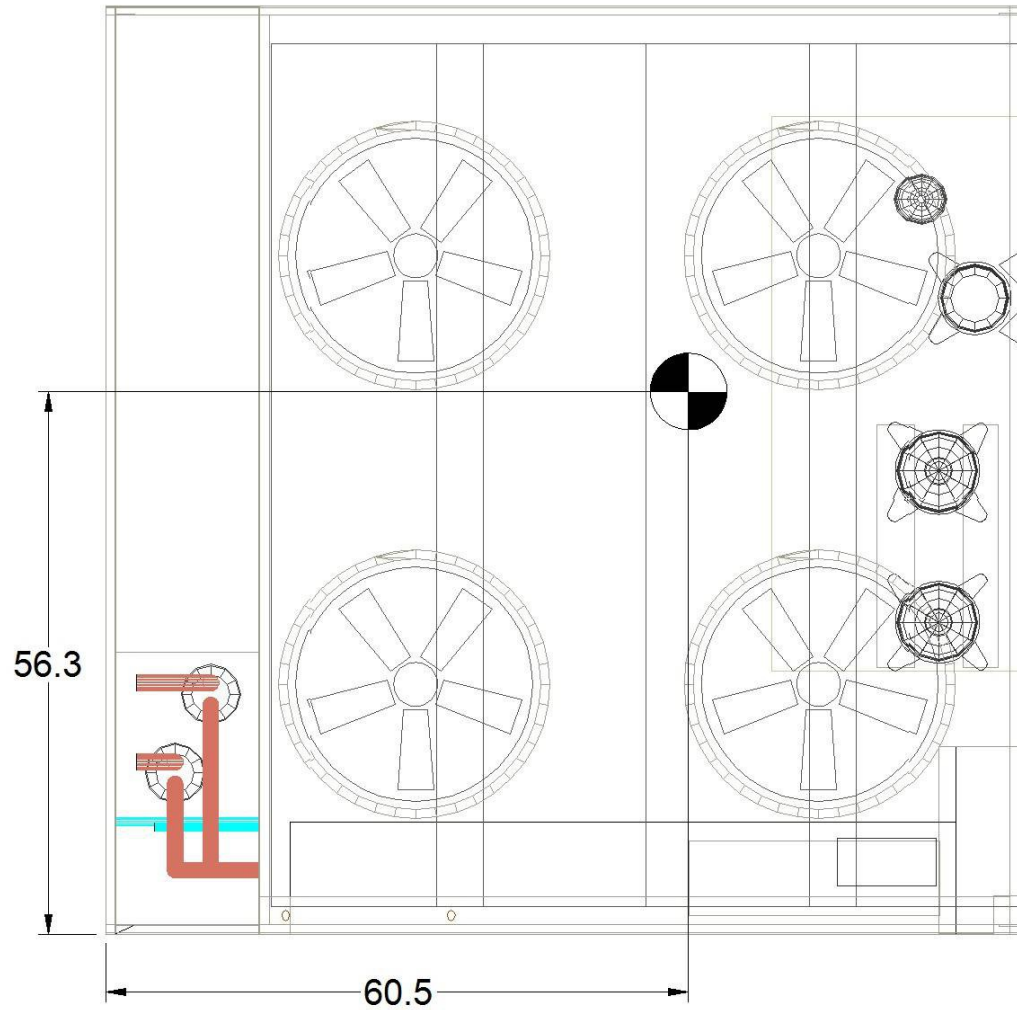
Highlands Building at Pinn

25

6/4/2026

CW S4= 607 lbs

CW S3= 1033 lbs



CW S1= 1037 lbs

CW S2= 609 lbs

ACU-1

Condenser_Air_Cooled_DCSA_Drawings

Product Drawing		Unit Tag: ACU-1		Sales Office: Harrison Energy Partners			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.60
Product:		Project Name: Highlands Building at		Sales Engineer:			
Model: DCSA035		June 03, 2026	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	

No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.