



**BID SPECIFICATION SHEET FOR
Fulkerson Center/Blum Union Chiller
Potter Hall Air Handling Units and Condensing Unit**

MWSU – Fulkerson Chiller Installation Scope:

Perform all work necessary in removal of existing chiller as well as installation of new chiller. This project will be bid as followed.

- Reclaim all refrigerant according to city, state, and notational guidelines
- Remove existing chiller and piping required for new installation
- Demo the existing electrical feed to the existing chiller per code
- Set new chiller, contractor responsible for receiving chiller and offloading with contractor provided crane.
- Install new chilled water pipe and tie into existing loop
- Install new insulation on new chilled water piping
- Install connection on new pipe to accommodate future emergency chiller hook up
- System to be circulated with existing system pumps as a “flush” before adding glycol
- Install glycol fill valve for Missouri Western State University to run glycol during winter months
- Existing system pumps to be used
- All electrical to new chiller
- Mandatory Pre Bid for contractor and ALL subcontractors
- All contractors to be EPA certified for refrigerant
- Any subcontractors and manufacturers to be provided with bid.
- First year labor warranty for equipment included with bid
- Bid shall include tying into existing controls. All additional controls and sensors including wiring and integration into building management system to be included.

MWSU – Potter AHU & ACCU Installation Scope:

Perform all work necessary in removal of existing air handler and associated condensing unit as well as installation of replacement. This project will be bid as followed.

- Labor and material to demo existing AHU's, ductwork, electric heaters and conduit in mechanical room.
- Removal of (1) existing roof mounted condensing unit.
- Removal of existing lightening protection.
- Existing power feeders will be pulled out and will resuse if applicable.
- Install relay to monitor the duct detector provided with new equipment.
- Labor and material to build and install frame for new Condensing unit to set on and install frame on existing roof supports.
- Labor and material to install new AHU's and Condensing unit.
- Labor and material to install new hard copper refrigerant piping. Suction lines will be fully insulated.
- Labor and material to install new copper drain lines for cold deck AHU.
- Labor and material to hang the hot deck AHU from the structure above so that the cold deck AHU can be installed under the hot deck AHU.
- Labor and material to remove and reinstall the mixing box for the completed system.
- Labor and material to install necessary ductwork to connect the (2) new AHU's to the existing ductwork.
- Labor and material to install (6) new dampers in the existing return air duct and fresh air duct.

- Mandatory Pre Bid for contractor and ALL subcontractors
- All contractors to be EPA certified for refrigerant
- Any subcontractors and manufacturers to be provided with bid.
- First year labor warranty for equipment included with bid
- Bid shall include tying into existing controls. All additional controls and sensors including wiring and integration into building management system to be included.

Timeline of Project:

- Bid opening July 16, 2020 at 2 pm at which time all bids shall be submitted.
- Project to be completed 2 weeks after ETA of all equipment
- There will be a mandatory pre-bid on July 9, 2020 at 10:00 am at Blum Union. Recommended regulations for the COVID-19 virus will be adhered to at all times.

Bid Specification:

- Provide all labor, materials and tools for the complete application.
- Bidders to provide individual pricing for each project as well as total lump sum for both.
- Work must be coordinated with MWSU to minimize interference with university functions



8014 Flint St, Lenexa, KS 66214
(816) 298-6281 FAX (636) 532- 7318

EQUIPMENT SPECIFICATION FOR Fulkerson Center/Blum Union Chiller

DAIKIN Air Cooled Chiller (Model: AGZ150E):

(1) – Daikin Applied Trailblazer™ AGZ Air Cooled Scroll Chiller

- Nominal 150 ton packaged chiller
- Refrigerant: R-410a
- Evaporator: brazed plate
- Liquid & discharge shut-off valves
- Head pressure control: Fantrol for operation to 32°F ambient
- Compressor motor thermal & overload protection
- Condenser coil louvers
- Water flow switch
- MicroTech III stand-alone DDC controller
- Single point power connection with non-fused disconnect switch
- Voltage: 460/60/3
- Check, test, & factory start-up
- Standard (1) one year parts only warranty
- Additional (4) four year parts only extended compressor warranty (5 year total)

TAXES AND/OR PERMITS ARE NOT INCLUDED UNLESS NOTED OTHERWISE
ALL PROPOSALS ARE SUBJECT TO THE ACCEPTANCE. TERMS AND CONDITIONS IMPOSED BY THE INDIVIDUAL SELLER COMPANIES AS OFFEREES HEREIN ABOVE
ENUMERATED. SUCH TERMS AND CONDITIONS ARE ON FILE AT THERMAL MECHANICS, INC. AND ARE AVAILABLE AT REQUEST
THE PURCHASER AND THERMAL MECHANICS, INC. MUTUALLY AGREE THAT THERMAL MECHANICS, INC. SHALL NOT BE LIABLE FOR NEGLIGENCE, MISCONDUCT,
WARRANTIES EXPRESSED FOR IMPLIED, EXCEPT BY WRITTEN CONSENT OF ALL PARTNERS OF SAID THERMAL MECHANICS, INC.



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EQUIPMENT SPECIFICATION FOR Potter Hall AHU and ACCU

DAIKIN Air Handling Unit (Cooling only):

(1) – Daikin Applied Vision™ Indoor Air Handling Unit

- Horizontal, draw thru configuration(cooling only)
- 2-inch double wall construction with injected foam insulated panels
- Filter section w/2" Merv 8 filters (one set provided)
- Dual, Direct Drive Plenum fans with internal spring isolation
- Voltage: 460/60/3
- 410A DX coil with stainless steel drain pan
- Discharge plenum
- (1) 30 HP Variable frequency drive **(Shipped loose for field installation and wiring)**
- Standard warranty: (1) one year parts only
- Check, test, & start-up
- Unit to ship in (5) sections for field assembly by installing contractor

Not Included:

- Controls: sensors, valves, actuators, wiring, controller, & installation

DAIKIN Air Cooled Condensing Unit (Model:RCS045D)

(1) – Daikin Applied RCS Air Cooled Scroll Condensing Unit

- Refrigerant: R410A
- Two independent refrigeration circuits
- Single point power connection w/disconnect switch
- Voltage: 460/60/3
- Low ambient control down to 45°F
- Refrigeration specialties: **(shipped loose, field installed)**
 - Expansion Valves
 - Liquid line solenoid valves
 - Sight glass
 - Liquid line driers
 - Hot gas bypass on 1st circuit
- Field powered 115V GFI receptacle **(Separate 115v power supply required)**
- Check, test, & start-up
- Standard warranty: (1) one year parts only
- Additional four year extended compressor parts only warranty

Not Included:

- Controls and wiring

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WARRANTIES EXPRESSED FOR IMPLIED, EXCEPT BY WRITTEN CONSENT OF ALL PARTNERS OF SAID THERMAL MECHANICS, INC.

DAIKIN Air Handling Unit (Heating only):

(1) – Daikin Applied Vision™ Indoor Air Handling Unit

- Horizontal, draw thru configuration(heating only)
- 2-inch double wall construction with injected foam insulated panels
- Filter section w/2" Merv 8 filters (one set provided)
- 120 KW electric heater w/ SCR control **(Separate 480/3 power required)**
- Direct Drive Plenum fan with internal spring isolation
- Voltage: 460/60/3
- (1) 7.5 HP Variable frequency drive **(Shipped loose for field installation and wiring)**
- Standard warranty: (1) one year parts only
- Check, test, & start-up
- Unit to ship in (2) sections for field assembly by installing contractor

Not Included:

- Controls: sensors, valves, actuators, wiring, controller, & installation

DAIKIN Air Handling Unit(Return fan only):

(1) – Daikin Applied Vision™ Indoor Air Handling Unit

- Horizontal, draw thru configuration
- 2-inch double wall construction with injected foam insulated panels
- Dual, Direct Drive Plenum fans with internal spring isolation
- Voltage: 460/60/3
- (1) 10 HP Variable frequency drive **(Shipped loose for field installation and wiring)**
- Standard warranty: (1) one year parts only
- Check, test, & start-up
- Unit to ship in (2) sections for field assembly by installing contractor

Not Included:

- Controls: sensors, valves, actuators, wiring, controller, & installation



SUBMITTAL DATA

for

MWSU Potter and Fulkerson

Technical Data

Prepared for

Missouri Western

Job Number: 92BLYK

Customer PO#:

Prepared by

Daikin TMI

7/8/2020

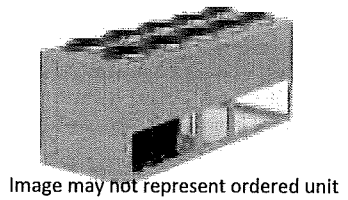
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Technical Data Sheet for CH

Job Information	Technical Data Sheet
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Job Name	MWSU Potter and Fulkerson
Date	7/8/2020
Submitted By	Jim Root
Software Version	11.10
Unit Tag	CH



Unit Overview					
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Model Number	Capacity ton	Voltage	Unit Starter Type	ASHRAE 90.1	LEED Enhanced Refrigerant Management Credit
AGZ150E	149.8	460 v / 60 Hz / 3 Ph	Across the Line	'07, '10, '13 & '16	Pass

Unit		
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Unit Type	Platform	Unit Revision
Air-Cooled Scroll Compressor Chiller	Packaged	0A
Head Pressure	Tubing	
Fantrol Only (32°F Min)	Replaceable Filter Dryer with Discharge & Liquid Valves, no HGBP	
Unit Controls	Display	
Electronic Expansion Valve	On Controller only	
Refrigerant Type	Refrigerant Weight	
R410A	152 lb (per unit)	
Pump Controls		
Dual Evaporator Pumps - Dual Control Output		
Approval		
ETL/cETL, AHRI & ASHRAE 90.1		

Evaporator	
Water Volume:	16.1 gal
Connection Hand:	Universal Connection - Facing out back
Connection Size:	4.0 in
Insulation:	Single Layer Insulation to Suction at each Compressor

Entering Fluid Temperature	Leaving Fluid Temperature	Fluid Type	Fluid Flow	Fluid Flow Min / Max	Pressure Drop	Pressure Drop Min / Max	Fouling Factor
54.00 °F	44.00 °F	Water	358.5 gpm	143.8/ 599.3 gpm	10.8 ft H ₂ O	1.80 / 29.4 ft H ₂ O	0.000100 °F.ft ² .h/Btu

Note: Evaporator Pressure Drop does not include a strainer. Minimum flow is based on a Variable Flow Pumping System Type and applies to part load conditions only.

Condenser			
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Coil Fins:	MicroChannel		
Guards:	Condenser Coil Louvers only		
Design Ambient Air Temperature	Altitude	Fan Diameter	Minimum Design Ambient Temperature
95.0 °F	0.000 ft	30.0 in	32.0 °F

Technical Data Sheet for CH

Unit Performance

Design										
Capacity		Input Power		Efficiency (EER)			IPLV,IP* (EER)			
149.8 ton		167.3 kW		10.74 Btu/W.h			15.88 Btu/W.h			
Performance Points rated at AHRI Ambient Relief										
Point #	% Load	Unit			Evaporator			Condenser		
		Capacity ton	Input Power kW	Efficiency (EER) Btu/W.h	Fluid Flow gpm	Pressure Drop ft H ₂ O	Entering Fluid °F	Leaving Fluid °F	Ambient Air °F	Altitude ft
1	100.0	149.8	167.3	10.74	358.5	10.8	54.00	44.00	95.0	0.000
2	75.0	112.4	96.23	14.01	358.5	10.8	51.50	44.00	80.0	0.000
3	50.0	74.90	53.00	16.96	358.5	10.8	49.00	44.00	65.0	0.000
4	25.0	37.45	23.87	18.83	358.5	10.8	46.50	44.00	55.0	0.000

* IPLV reflects AHRI standard rating conditions with water and does not change with user defined conditions

Sound (without insulation)

Sound Pressure (at 30 feet)											
63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1 kHz dB	2 kHz dB	4 kHz dB	8 kHz dB	Overall dBA	75% Load dBA	50% Load dBA	25% Load dBA
69	70	71	65	62	62	62	56	70	69	67	66
Sound Power											
63 Hz dB	125 Hz dB	250 Hz dB	500 Hz dB	1 kHz dB	2 kHz dB	4 kHz dB	8 kHz dB	Overall dBA	75% Load dBA	50% Load dBA	25% Load dBA
96	99	95	94	95	90	88	85	99	98	96	95

Octave band is non 'A' weighted and overall readings are 'A' weighted. Sound data rated in accordance with AHRI Standard-370.

Physical

Unit				
Length*	Height	Width*	Shipping Weight*	Operating Weight*
238 in	99 in	88 in	7117 lb	7245 lb

*Shipping and Operating Weights include the below Option weights only and do not include the weights of any Accessories. Contact Chiller Applications for additional information.

Option Weights	
Louvers:	500 lb
Total:	500 lb

Technical Data Sheet for CH

Electrical

Unit Electrical Data				
Voltage	Starter Type	Fan Motor Quantity	LRA Fan Motor (each)	FLA Fan Motors (each)
460 V / 60 Hz / 3 Ph	Across the Line	10	18 A	3.6 A
Power Connection Type:	Single Point Disconnect Switch with Circuit Protection			
Short Circuit Current Rating:	5 kA			

Single Point Power Connection	
Minimum Circuit Ampacity (MCA):	334 A
Recommended Overcurrent Protection Size:	400 A
Maximum Overcurrent Protection Size(MOCP):	400 A
Lug Connection Size:	(2) 3/0-500MCM

Compressor Electrical Data				
Compressor Type	Compressor Quantity		Starter Type	
Scroll	4		Across the Line	
Circuit #:	1	1	2	2
Compressor #:	1	3	2	4
Rated Load Amps (RLA):	54.5 A	73 A	73 A	73 A
Inrush Current:	310 A	408 A	408 A	408 A

Note: Power wiring connections to the chiller may be done with either copper or aluminum wiring. Wire should be sized per NEC and/or local codes. Wire sizing and wire count must fit in the power connection lug sizing listed in latest installation manual. Please contact your local sales office for more information.

Options

Basic Unit	
Control Box Ambient:	High Ambient with Exhaust Fans (125°F maximum)
Electrical	
Water Flow Indicator:	Thermal Dispersion Type

Warranty

Unit Startup	Domestic
Standard Warranty:	1st Year Entire Unit Parts only
Extended Compressor Warranty:	Compressor Only; extended 4 years parts only (5 Years Total)

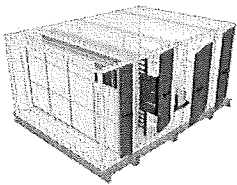
AHRI Certification



Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org

Technical Data Sheet for AHU-A cooling

Job Information		Technical Data Sheet	
Job Name	MWSU Potter and Fulkerson		
Date	July 08 2020		
Submitted By	FD		
Software Version	12.20		
Unit Tag	AHU-A cooling		



Unit Overview

Model Number	Air Volume cfm	Supply				
		Static Pressure		External Dimensions		
		External inWc	Total inWc	Height in	Width in	Length in
CAH030GDGM	14125	3.50	5.46	60*	96*	134

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

Unit

Model Number:	CAH030GDGM				
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:	6" formed channel	Wall Thickness:	2 in		
Altitude:	0 ft	Parts Warranty:	Standard One Year		

Manual Component

Component: 1	Length: 12 in	Shipping Section: 1
Pressure Drop		
0.00 inWc		
Panel		
Location	Width	Opening
Removable panels	- in	Outward

Panel Filter

Component: 2	Length: 12 in	Shipping Section: 1				
Type	Efficiency	Face Velocity	Face Area	Air Volume	Filter Loading	
Pleated	MERV 8	474 ft/min	29.8 ft²	14125 cfm	Side	
Clean Air	Air Pressure Drop Mean Air	Dirty Air	Number of Filters	Height	Width	Depth
0.21 inWc	0.61 inWc	1.00 inWc	6	20 in	24 in	2 in
			2	20 in	20 in	2 in
			3	12 in	24 in	2 in
Door						
Location	Width	Opening				
Drive side	8 in	Outward				

Technical Data Sheet for AHU-A cooling

Direct Expansion Coil		Component: 3			Length: 38 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)			
5EJ1208B	468199 Btu/hr	360042 Btu/hr	2	8	12	0.625 in	1.50 in x 1.299 in			
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						
14125 cfm	73.0 °F	60.8 °F	49.7 °F	48.7 °F	1.30 insWg	24 in	83 in	27.67 ft²	511 ft/min	
Fluid		Sub-Cooled Refrigerant		Suction Vapor		Design Saturated		Total Refrigerant		
Suction Temp.		Refrigerant		Liquid Temp.		Superheat Temp. at Coil Outlet		Condensing Temp.		
44.0 °F		R410a		110.0 °F		8.0 °F		110.0 °F		
Connection [Data Per Coil]							Mln. Fin Surface		Mln. Tube Wall	
Type	Liquid [Qty - Size]	Suction [Qty - Size]	Location		Material		Temp.		Surface Temp.	
OD Sweat	2-0.88 in	2-1.63 in	Drive side		Copper tube		32.0 °F		32.0 °F	
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		
Drive side				16 in				Outward		

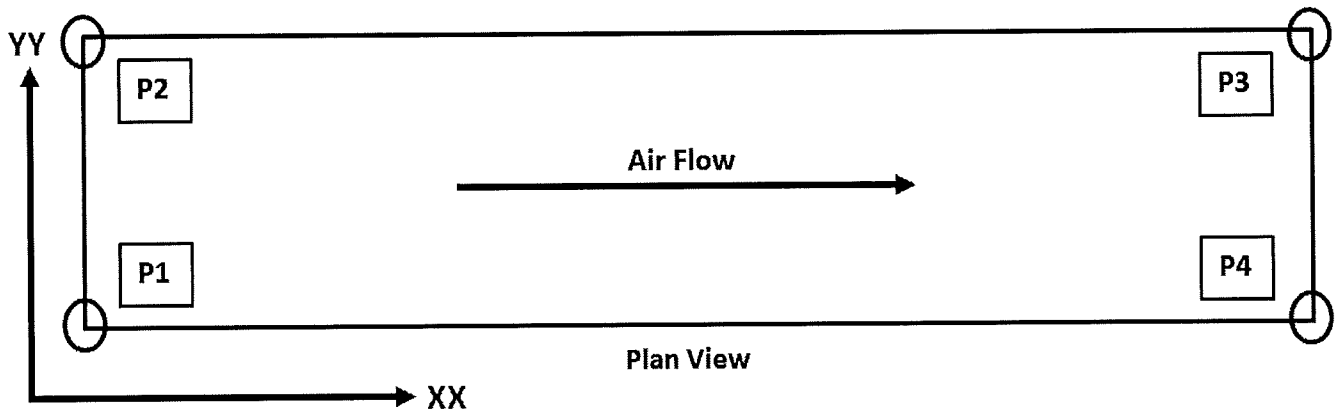
Supply Fan		Component: 4			Length: 44 in		Shipping Section: 3		
Fan Performance									
Air Volume*	Static Pressure			Brake	Speed		Redundancy(N-1)	Fan Circuit	
	External	Total	Cabinet	Horsepower*	Operating	Maximum		MOP	MCA
7063 cfm	3.50 inWc	5.46 inWc	0.00 inWc	9.76 BHP	2873 rpm	3650 rpm	77.6 %	50.0 A	40.0 A
Fan Data									
Fan Type	Blade Type / Class	Quantity of Fans	Wheel Diameter	Material Type	Number of Blades	Discharge	Motor Location		
Centrifugal - Plenum	Airfoil / 2	2	18.25 in	Aluminum	9	Axial	Behind Fan		
Motor Data									
Power	Electrical Supply	Speed	Efficiency	Enclosure	Frame Size	Supplier	Number of Poles	Lock Rotor Current*	Full Load Current*
15.0 HP	460/60/3 V/Hz/Phase	3500 rpm	Premium	ODP	215 T frame	Generic	2	116.00 A	17.80 A
Fan Options									
Block Off Plate:			Yes			Inlet Screen:		Provided	
Isolator Type:			Spring						
Door									
Location			Width			Opening		Light	
Drive side			30 in			Outward		LED marine light kit with GFI outlet	
Special Options									
Tread Plate Floor Liner									
Tread plate installed									
Special Text									
30 HP VFD w/Non-fused disconnect shipped loose in fan cabinet for field installation and wiring.									
Notes									
* after a unit label denotes the data for an individual fan.									

Technical Data Sheet for AHU-A cooling

Plenum Section		Component: 5	Length: 28 in	Shipping Section: 4
Air Pressure Drop				
0.05 inWc				
Custom Openings				
Custom Opening	Location	Width	Height	Rainhood w/Screen
1	End	92 in	24 in	None
Door				
Location	Width	Opening		
Drive side	24 in	Outward		
Special Options				
Tread Plate Floor Liner				
Tread plate installed				

Unit Sound Power (dB)								
Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated:	79	73	73	77	72	59	49	51
Unit Discharge:	84	78	81	88	88	81	81	74
Unit Return:	81	75	84	91	76	75	74	65

Shipping Section Details									
Section	Length in	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	24	485	103	103	139	139	14	48	29
2	38	1579	520	492	270	297	14	46	31
3	44	1431	398	398	317	317	20	48	25
4	28	486	121	121	121	121	14	48	26
Entire Unit	134	3981	1104	1077	886	913	61	47	28



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

Technical Data Sheet for AHU-A cooling

Supply Static Pressure Drop		
Component	Option	Static Pressure Drop
Manual Section	Manual Section	-
Panel Filter	Panel Filter	0.61 insWg
DX Coil	DX Coil	1.30 insWg
Supply Fan	Cabinet	-
Plenum Section	Plenum Section	0.05 insWg
External Static	External Static	3.50 insWg
Total Supply Static		5.46 insWg

AHRI Certification



Certified in accordance with the AHRI Central Station Air-Handling Unit Certification Program, which is based on AHRI Standards 430/431. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

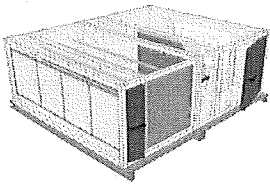
Important

1. This unit may not meet ASHRAE Standard 90.1 - 2007 fan motor power limitations for the year and system selected. If that code applies, alternate fan selections may be required.
2. The designer and installer must ensure compliance with applicable codes. A component supplier cannot determine the brake horsepower ("BHP") for other motors in the air handling system.
3. Before approving this unit, determine whether ASHRAE Standard 90.1 - 2007 has been adopted in the specific jurisdiction or contract specifications in which the unit will be installed.

Technical Data Sheet for AHU-A heating

Job Information Technical Data Sheet

Job Name	MWSU Potter and Fulkerson
Date	July 08 2020
Submitted By	FD
Software Version	12.20
Unit Tag	AHU-A heating



Unit Overview

Model Number	Supply					
	Air Volume cfm	Static Pressure		External Dimensions		
		External inWc	Total inWc	Height in	Width in	Length in
CAH015GVGM	7200	2.00	2.73	36*	88*	106

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

Unit

Model Number:	CAH015GVGM				
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		

Panel Filter		Component: 1		Length: 12 in		Shipping Section: 1	
Type	Efficiency	Face Velocity	Face Area	Air Volume	Filter Loading		
Pleated	MERV 8	542 ft/min	13.3 ft²	7200 cfm	Side		
Air Pressure Drop		Number of Filters		Height	Width	Depth	
Clean Air	Mean Air	Dirty Air					
0.26 inWc	0.63 inWc	1.00 inWc	1	24 in	24 in	2 in	
			3	24 in	20 in	2 in	
Door							
Location			Width		Opening		
Drive side			8 in		Outward		

Electric Heater		Component: 2			Length: 34 in		Shipping Section: 1		
Voltage	Control Type	Temperature Control	Control Signal	Pressure Drop	kW	FLA	Steps	Disconnect	Delta T
480	SCR	Yes	0 - 10V	0.04	120	144.3	N/A	Yes	52.7

Access Section		Component: 3		Length: 16 in		Shipping Section: 2	
Air Pressure Drop							
0.00 inWc							
Panel							
Location			Width		Opening		
Removable panels			- in		Outward		

Technical Data Sheet for AHU-A heating

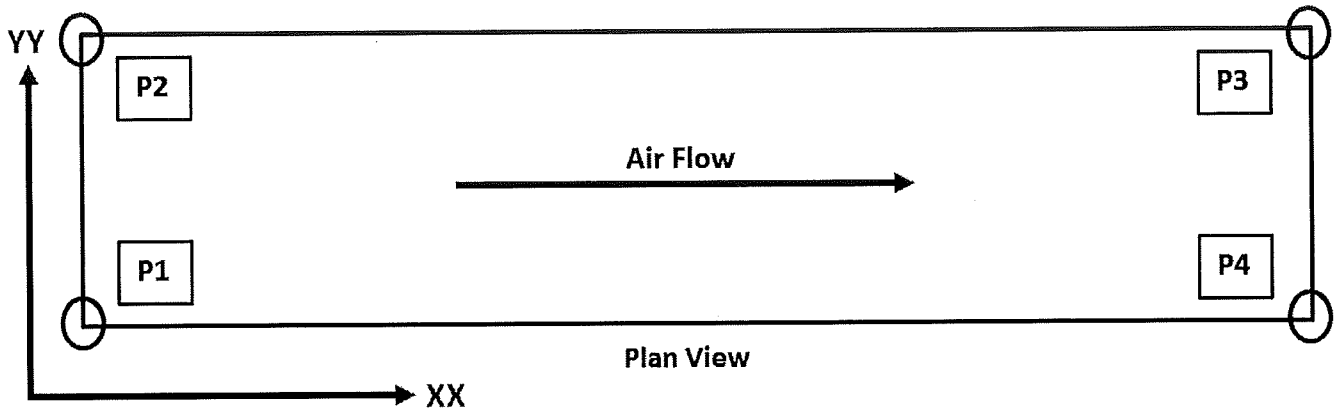
Supply Fan		Component: 4		Length: 44 in		Shipping Section: 2			
Fan Performance									
Air Volume	Static Pressure			Brake Horsepower	Speed		Outlet Velocity		
	External	Total	Cabinet		Operating	Maximum			
7200 cfm	2.00 inWc	2.73 inWc	0.06 inWc	5.94 BHP	2536 rpm	3650 rpm	0 ft/min		
Fan Data									
Fan Type	Blade Type / Class	Quantity of Fans	Wheel Diameter	Material Type	Number of Blades	Discharge	Motor Location		
Centrifugal - Plenum	Airfoil / 2	1	18.25 in	Aluminum	9	-	Behind Fan		
Motor Data									
Power	Electrical Supply	Speed	Efficiency	Enclosure	Frame Size	Supplier	Number of Poles	Lock Rotor Current	Full Load Current
7.5 HP	460/60/3 V/Hz/Phase	1750 rpm	Premium	ODP	213 T frame	Generic	4	63.50 A	9.70 A
Fan Options									
Inlet Screen: Provided				Isolator Type: Spring					
Custom Openings									
Custom Opening	Location	Width	Height	Rainhood w/Screen					
1	End	44 in	24 in	None					
Door									
Location	Width	Opening							
Drive side	30 in	Outward							
Special Options									
Special Text									

7.5 HP VFD w/Non-fused disconnect shipped loose in fan cabinet for field installation and wiring.

Unit Sound Power (dB)								
Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated:	76	69	66	71	68	57	49	51
Unit Discharge:	86	78	81	92	90	85	87	78
Unit Return:	82	78	83	91	79	79	81	71

Technical Data Sheet for AHU-A heating

Shipping Section Details									
Section	Length In	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	46	1233	298	64	318	552	32	27	21
2	60	899	219	219	230	230	31	44	17
Entire Unit	106	2132	669	435	397	631	51	34	19



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

Supply Static Pressure Drop		
Component	Option	Static Pressure Drop
Panel Filter	Panel Filter	0.63 insWg
Electric Heater	Electric Heater	0.04 insWg
Access Section	Access Section	-
Supply Fan	Cabinet	0.06 insWg
External Static	External Static	2.00 insWg
Total Supply Static		2.73 insWg

AHRI Certification



Certified in accordance with the AHRI Central Station Air-Handling Unit Certification Program, which is based on AHRI Standards 430/431. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

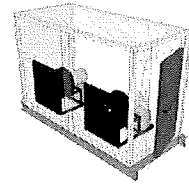
Standard

- 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.

Technical Data Sheet for AHU-A return fan

Job Information	Technical Data Sheet
------------------------	-----------------------------

Job Name	MWSU Potter and Fulkerson
Date	July 08 2020
Submitted By	FD
Software Version	12.20
Unit Tag	AHU-A return fan



Unit Overview

Model Number	Supply					
	Air Volume cfm	Static Pressure		External Dimensions		
		External inWc	Total inWc	Height in	Width in	Length in
CAH030GVGM	14125	1.00	1.00	60*	96*	44

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

Unit

Model Number:	CAH030GVGM	
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:	6" formed channel	Wall Thickness: 2 in
Altitude:	0 ft	Parts Warranty: Standard One Year

Technical Data Sheet for AHU-A return fan

Supply Fan	Component: 1	Length: 44 in	Shipping Section: 1
-------------------	---------------------	----------------------	----------------------------

Fan Performance

Air Volume*	Static Pressure			Brake	Speed		Redundancy(N-1)	Fan Circuit	
	External	Total	Cabinet	Horsepower*	Operating	Maximum		MOP	MCA
7063 cfm	1.00 inWc	1.00 inWc	0.00 inWc	3.29 BHP	2218 rpm	3650 rpm	62.5 %	20.0 A	14.8 A

Fan Data

Fan Type	Blade Type / Class	Quantity of Fans	Wheel Diameter	Material Type	Number of Blades	Discharge	Motor Location
Centrifugal - Plenum	Airfoil / 2	2	18.25 in	Aluminum	9	Axial	Behind Fan

Motor Data

Power	Electrical Supply	Speed	Efficiency	Enclosure	Frame Size	Supplier	Number of Poles	Lock Rotor Current*	Full Load Current*
5.0 HP	460/60/3 V/Hz/Phase	1750 rpm	Premium	ODP	184 T frame	Generic	4	46.00 A	6.60 A

Fan Options

Block Off Plate:	Yes	Inlet Screen:	Provided
Isolator Type:	Spring		

Door

Location	Width	Opening	Light
Drive side	26 in	Outward	LED marine light kit with GFI outlet

Special Options

Tread Plate Floor Liner

Tread plate installed

Special Text

10 HP VFD w/Non-fused disconnect shipped loose in fan cabinet for field installation and wiring.

Notes

* after a unit label denotes the data for an individual fan.

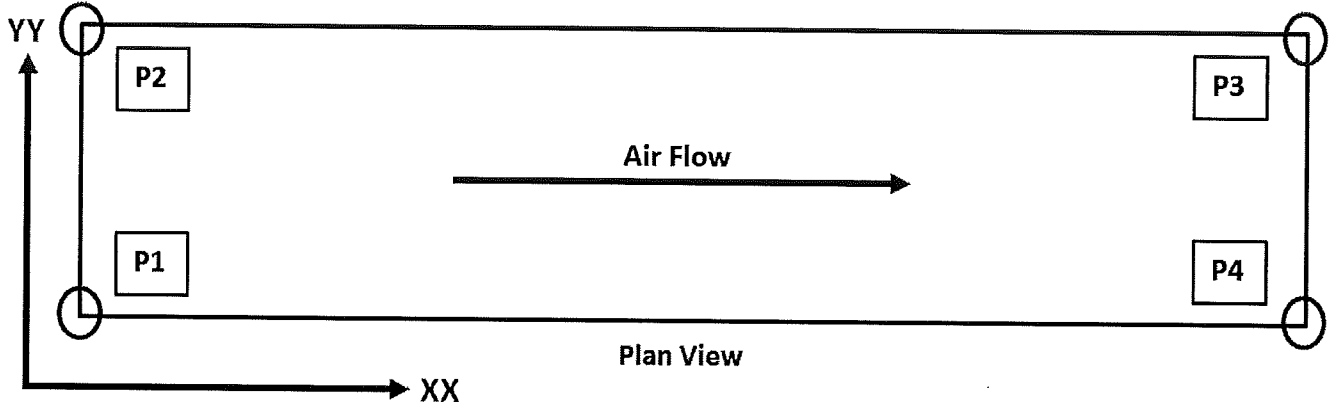
Unit Sound Power (dB)

Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated:	75	67	70	64	66	58	50	51
Unit Discharge:	85	77	88	85	88	86	88	79
Unit Return:	79	76	87	81	78	80	81	70

Technical Data Sheet for AHU-A return fan

Shipping Section Details

Section	Length in	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	44	1244	363	363	258	258	18	48	25
Entire Unit	44	1244	363	363	258	258	18	48	25



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

Supply Static Pressure Drop

Component	Option	Static Pressure Drop
Supply Fan	Cabinet	-
External Static	External Static	1.00 insWg
Total Supply Static		1.00 insWg

AHRI Certification



Certified in accordance with the AHRI Central Station Air-Handling Unit Certification Program, which is based on AHRI Standards 430/431. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

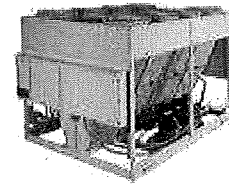
Notes

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.

Technical Data Sheet for CU-A

Job Information		Technical Data Sheet	
Job Name	MWSU Potter and Fulkerson		
Date	7/8/2020		
Submitted By	Jim Root		
Software Version	07.70		
Unit Tag	CU-A		



Unit Overview						
Model Number	Voltage V/Hz/Phase	Total Refrigeration Effect Btu/hr	Total Unit Power kW	EER AHRI Conditions	IEER AHRI Conditions	ASHRAE 90.1
RCS045D	460/60/3	512454	44.8	11.4	15.1	2013 Compliant

Unit		
Model Number:	RCS045D	
Type:	Applied	
Approval:	ETL - USA	
Refrigerant Type:	No. of Refrigerant Circuits	Refrigerant Weight
R410A	2	24.4 lb

Condensing Section				
Temperature		Altitude	Refrigeration Effect	Power
Suction	Ambient			
45.0 °F	95.0 °F	0 ft	512454 Btu/hr	44.8 kW

Compressor			
Quantity	Type	Capacity Control	Compressor Isolation
4	Scroll	4 steps	Resilient
Full Load Current:			
Compressor 1	19.2 A		
Compressor 2	19.2 A		
Compressor 3	19.2 A		
Compressor 4	19.2 A		

Condenser					
Type	Coil		Fans	Fan Motors	
	Number of Rows	Fins per Inch	Condenser Fan Type	Quantity	Full Load Current
Aluminum tube micro channel	1	18	Standard	4	2.10 A

Sound							
Casing Radiated Sound Power (db)							
63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
0	94	91	89	89	86	83	82

Technical Data Sheet for CU-A

Physical

Dimensions and Weight			
Length	Height	Width	Operating Weight
80.0 in	73.0 in	99.0 in	2470 lb

Connections	
Connection	Connection Sizes
Suction Line Circuit	(2) 1.62 in.
Liquid Line Circuit	(2) 0.88 in.
Hot Gas Bypass Circuit	(2) 0.88 in.

Electrical

Voltage	MROPD	Field Power Connection	MCA	SCCR	Field Outlet Connection
460/60/3 V/Hz/Phase	110 A	Thru-the-door disconnect switch	91.3 A	10 kAIC	115V, 20 amp service

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.

Options

Unit	
Hot Gas Bypass:	HGBP Tee (See Accessory Tab)
Condenser Coil Options:	Condenser with built in hail protection, vandal grd

Electrical	
Field Connection	Thru-the-door disconnect switch
Wiring Options	Sealtite conduit
GFI Receptacle	Field powered

Unit Control	
Temperature Controls:	No temp control, 115 V transformer
Low Ambient Control:	Fantrol, Low ambient control to 45 degrees

Warranty

Parts:	Standard one year parts
Compressor:	Extended four year compressor, five year total

Document Summary Page



SUBMITTAL DATA

for

MWSU Potter and Fulkerson

Equipment Drawings

Prepared for

Missouri Western

Job Number: 92BLYK

Customer PO#:

Prepared by

Daikin TMI

7/8/2020

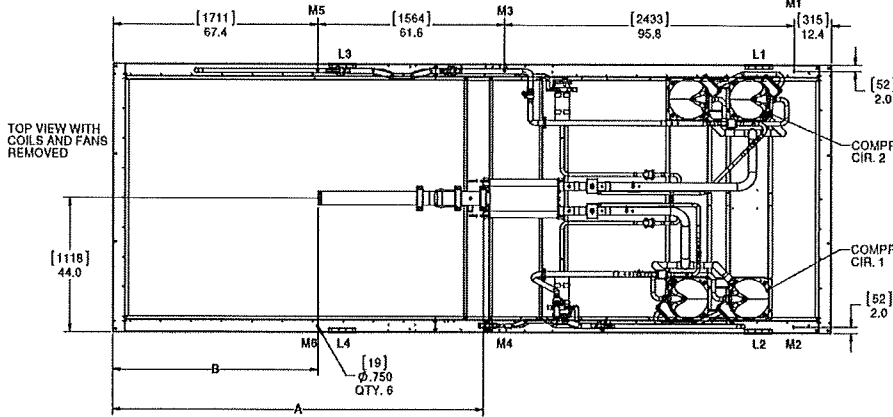
Table of Contents

AGZ150E_PKG_MCC_Drawing for CH.....	3
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Drawing for AHU-A heating	11
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Drawings(1) for CU-A	23
Drawings(2) for CU-A	24

Job Number: 92BLVK
 Job Name: MWSU Potter and Fulkerson
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 Prepared Date: 7/8/2020
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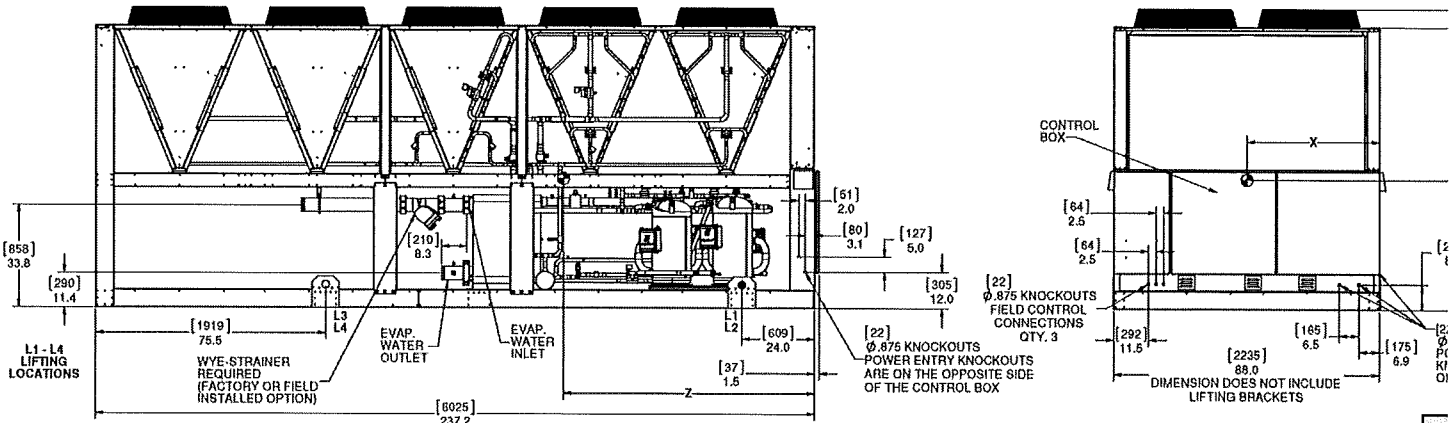
AGZ150E Packaged (Microchannel Condenser)

M1 - M4, ISOLATOR MOUNTING HOLE LOCATIONS ON BOTTOM SURFACE OF UNIT BASE.



Unit Weight Data						
Units	Weight		Lifting Weight			
	Shipping	Operating	L1	L2	L3	L4
lb	6617	6745	1888	1881	1426	1421
kg	3001	3059	856	853	647	645

Unit and Center of Gravity Dimensions			
Units	A (No Strainer)	B (With Strainer)	Connection Size (Victaulic)
in	120.5	65.9	4.0
mm	3062	1674	102



NOTE

IT IS RECOMMENDED THAT THE SIDE LOCATIONS BE USED FOR POWER ENTRY WIRE SIZES LARGER THAN 350 MCM.

Product Drawing		Unit Tag: CH		Sales Office: Daikin TMI LLC (Kansas City)			
Product: Air-Cooled Scroll Chiller		Project Name: MWSU Potter and		Sales Engineer: Jim Root			
Model: AGZ150E		July 08, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 1.0"	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.							

Job Number:
Job Name:

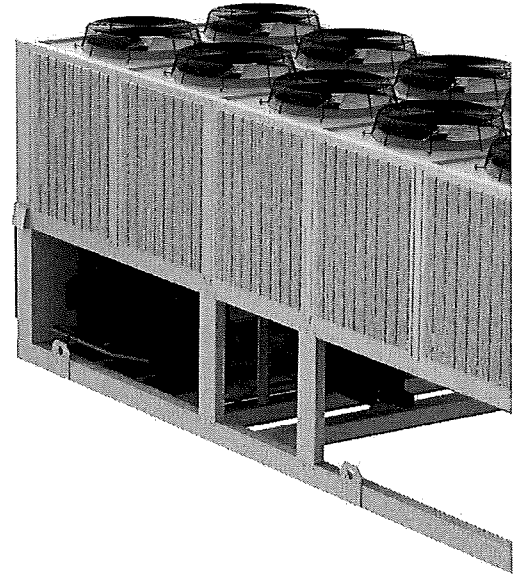
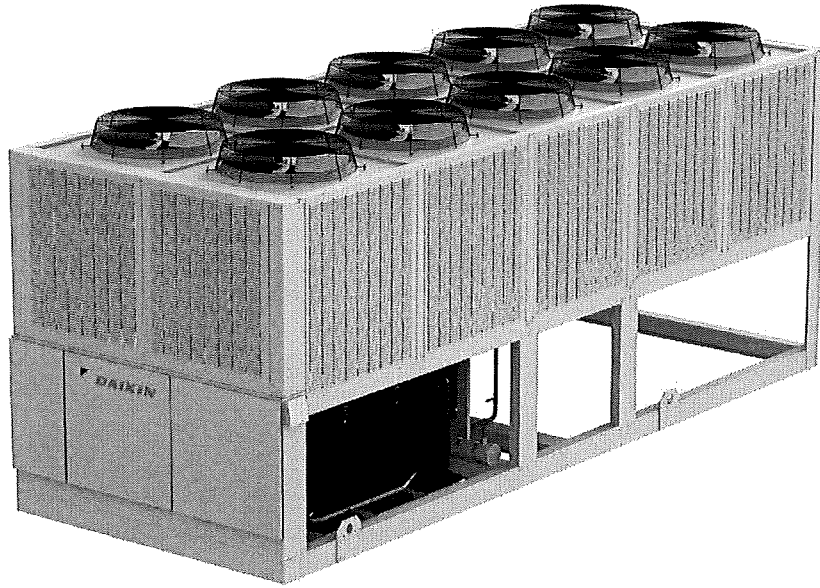
92BLYK
MWSU Potter and Fulkerson

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Prepared Date:

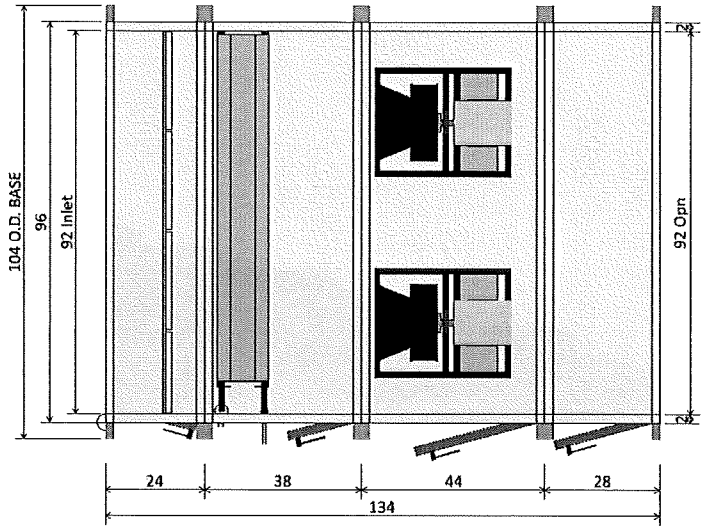
7/8/2020
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AGZ-E Guards: Condenser Coil Louvers, Painted Base

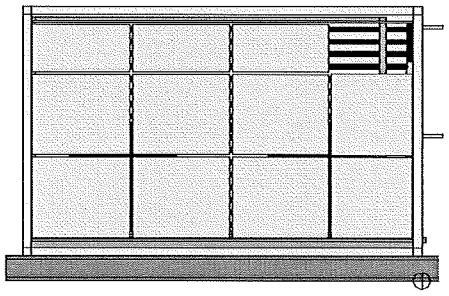


D
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C
S

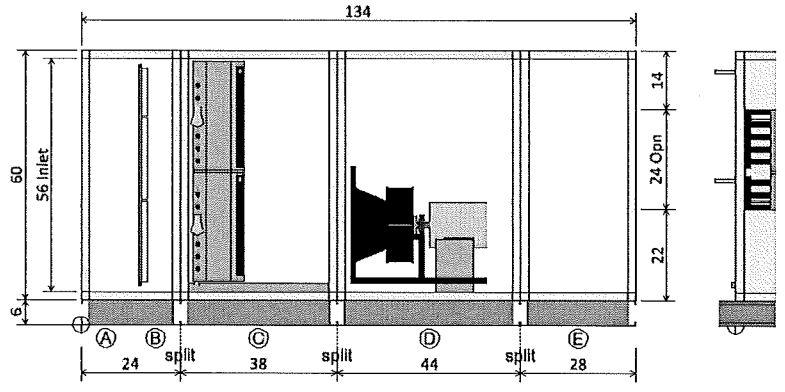
Product Drawing		Unit Tag: CH		Sales Office: Daikin TMI LLC (Kansas City)			136 www
Product: Air-Cooled Scroll Chiller		Project Name: MWSU Potter and		Sales Engineer: Jim Root			
Model: AGZ140-180E		July 08, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: N/A	Tolerance: N/A	
No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.							



PLAN VIEW



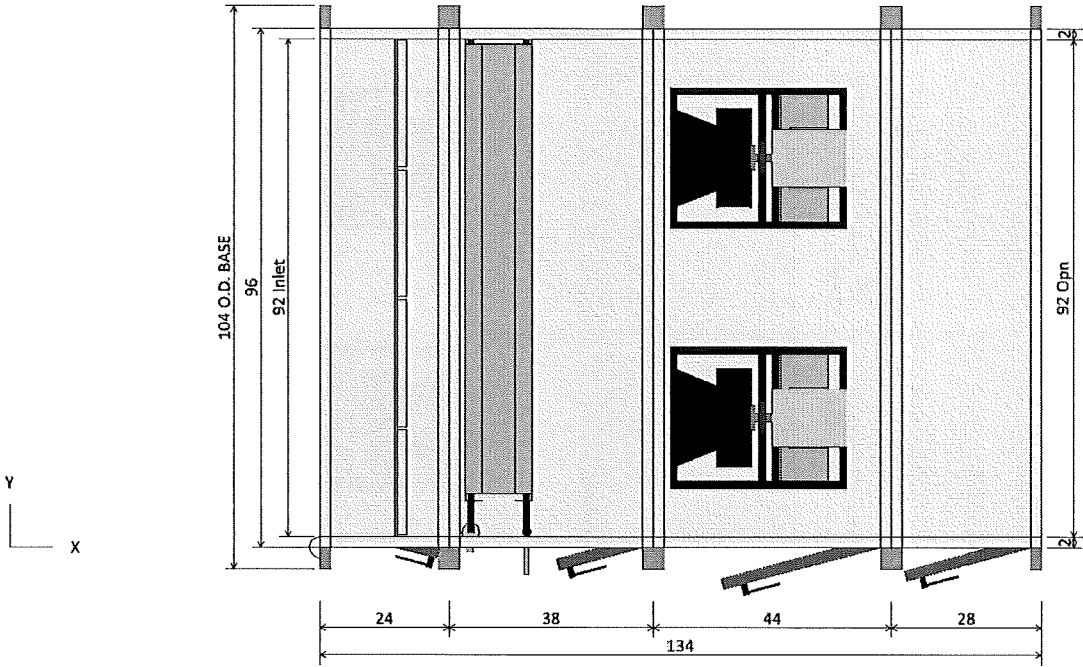
FRONT END VIEW



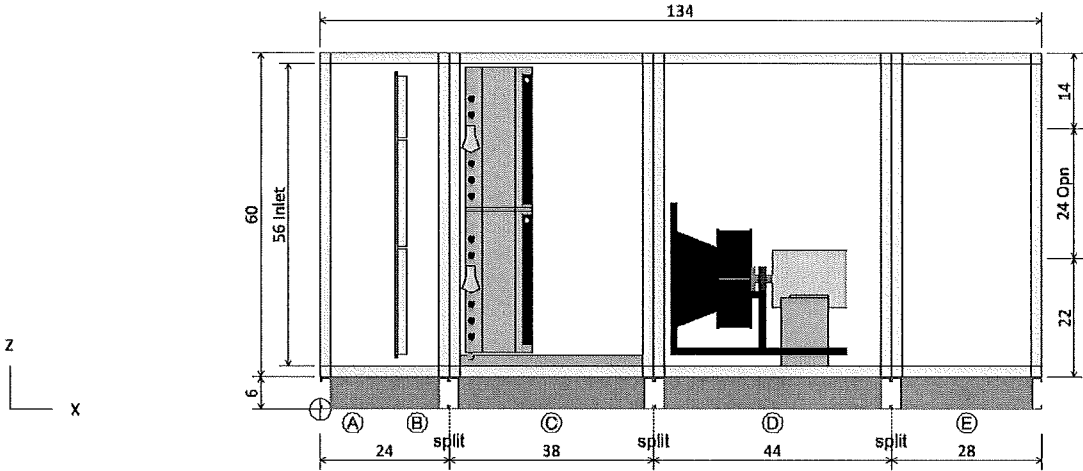
ELEVATION VIEW

Plan/Elevation	Unit Tag: AHU-A cooling		Sales Office: Daikin TMI LLC (Kansas City)			
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson		Sales Engineer:			
Model: CAH030GDGM	July 8, 2020	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.						

A
B
C
D
E

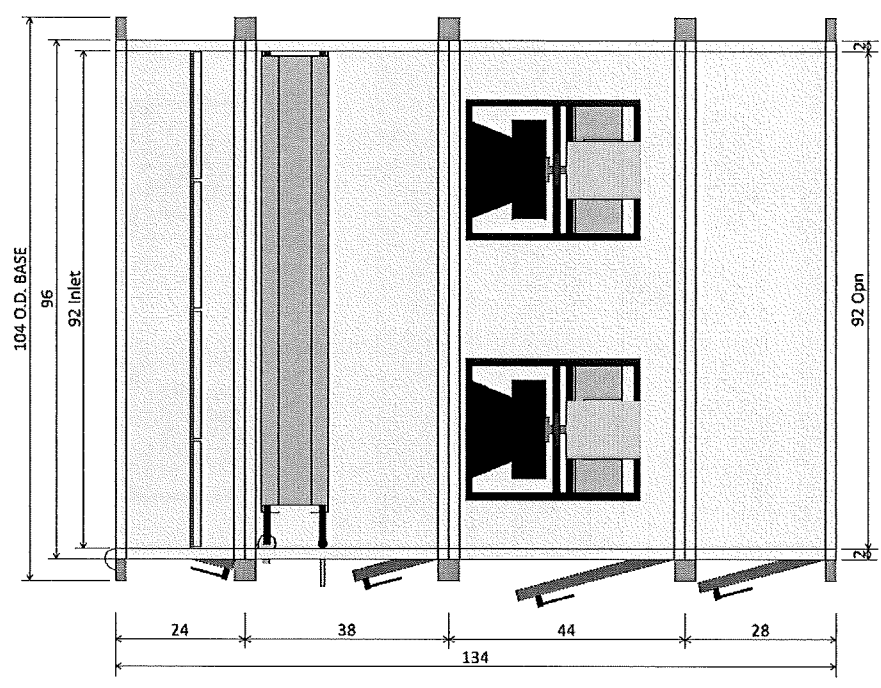
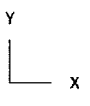


PLAN VIEW

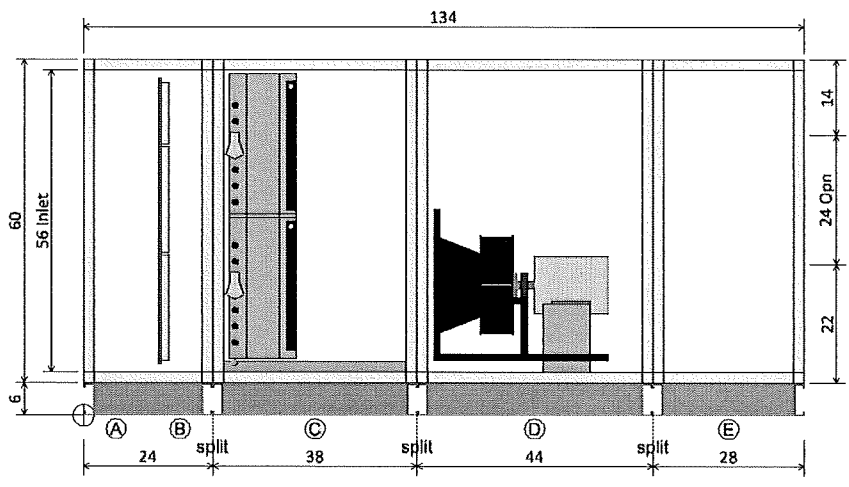
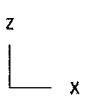


ELEVATION VIEW

Plan/Elevation - No Ends	Unit Tag: AHU-A cooling		Sales Office: Daikin TMI LLC (Kansas City)			136C www
	Product: Vision Air Handler		Sales Engineer:			
Model: CAH030GDGM	July 8, 2020	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.						



PLAN VIEW

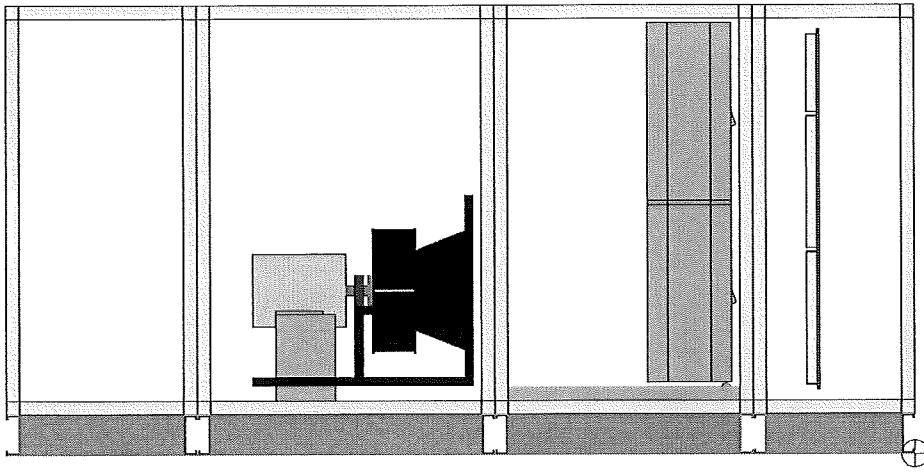


ELEVATION VIEW

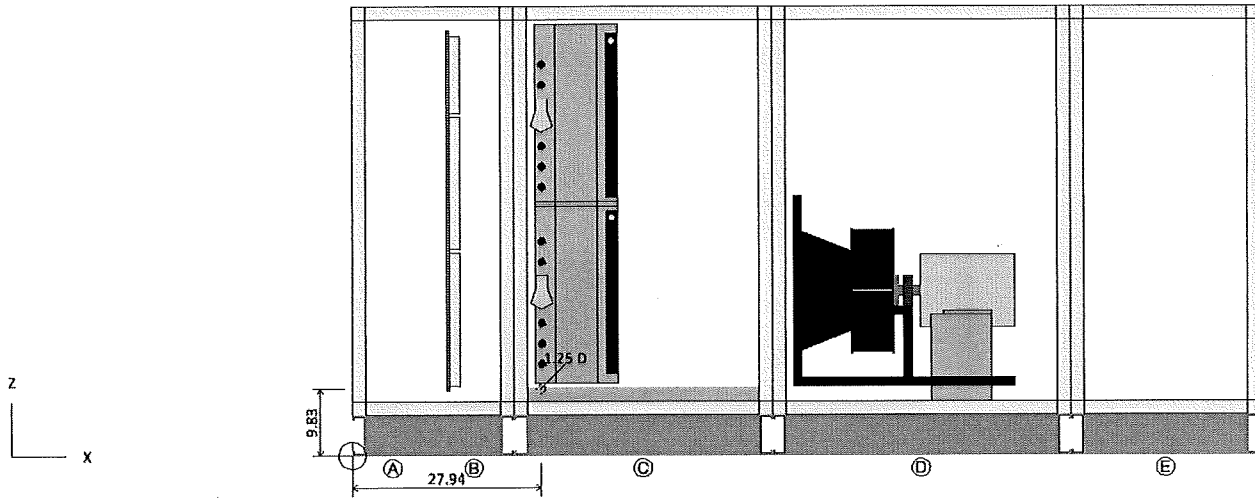
Type	
(A)	Manual Section Opening
(E)	Plenum Section Opening

Note: Dimensions at

Opening/Damper Connections		Unit Tag: AHU-A cooling			Sales Office: Daikin TMI LLC (Kansas City)			1360 www
Product: Vision Air Handler		Project Name: MWSU Potter and Fulkerson			Sales Engineer:			
Model: CAH030GDGM		July 8, 2020	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.								



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

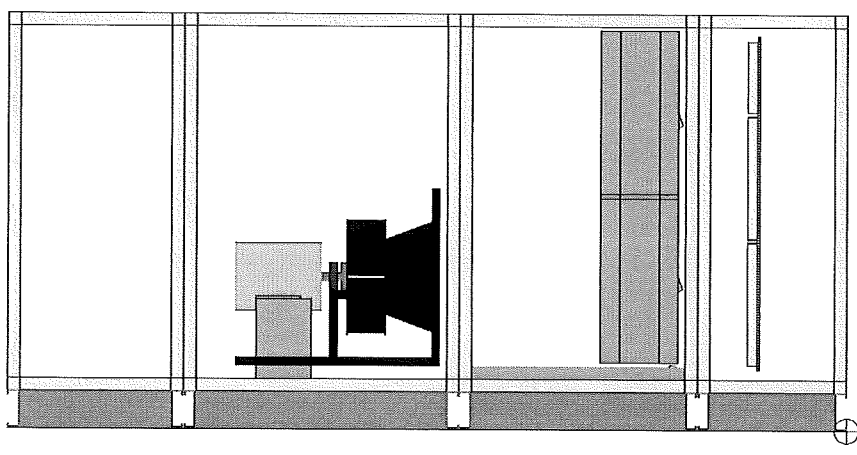
Type
DX Coil
Condensate drain c
DX suction:
DX liquid conn:
DX suction:
DX liquid conn:

Note: Dimensions are

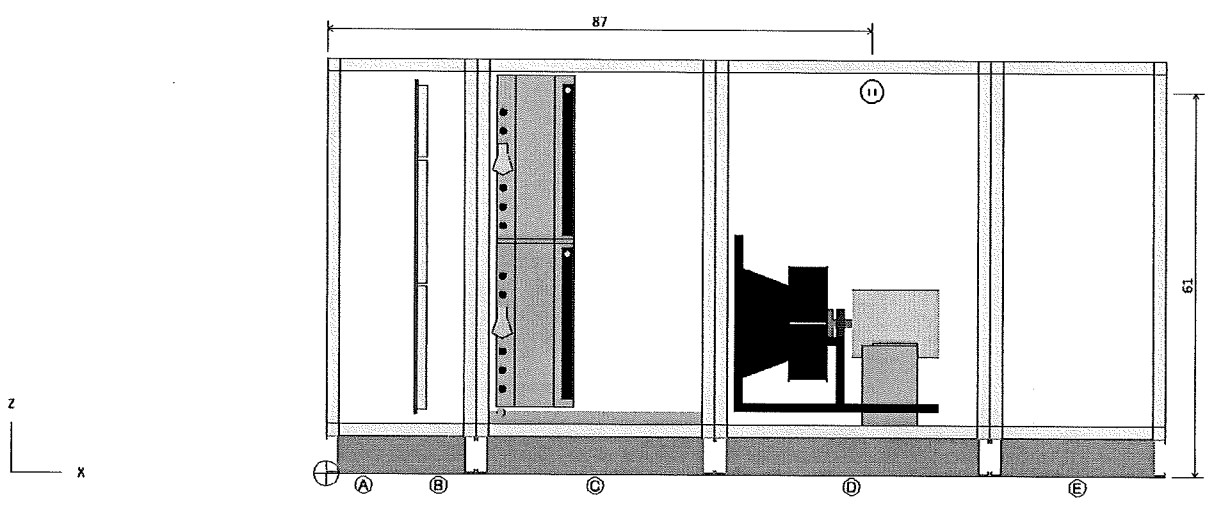
Coil and Drain Connections	Unit Tag: AHU-A cooling		Sales Office: Daikin TMI LLC (Kansas City)			136C www
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson		Sales Engineer:			
Model: CAH030GDGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.						

Type	
① Supply Fan	87
LED Marine Light GFI	

Note: Dimensions are meas



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

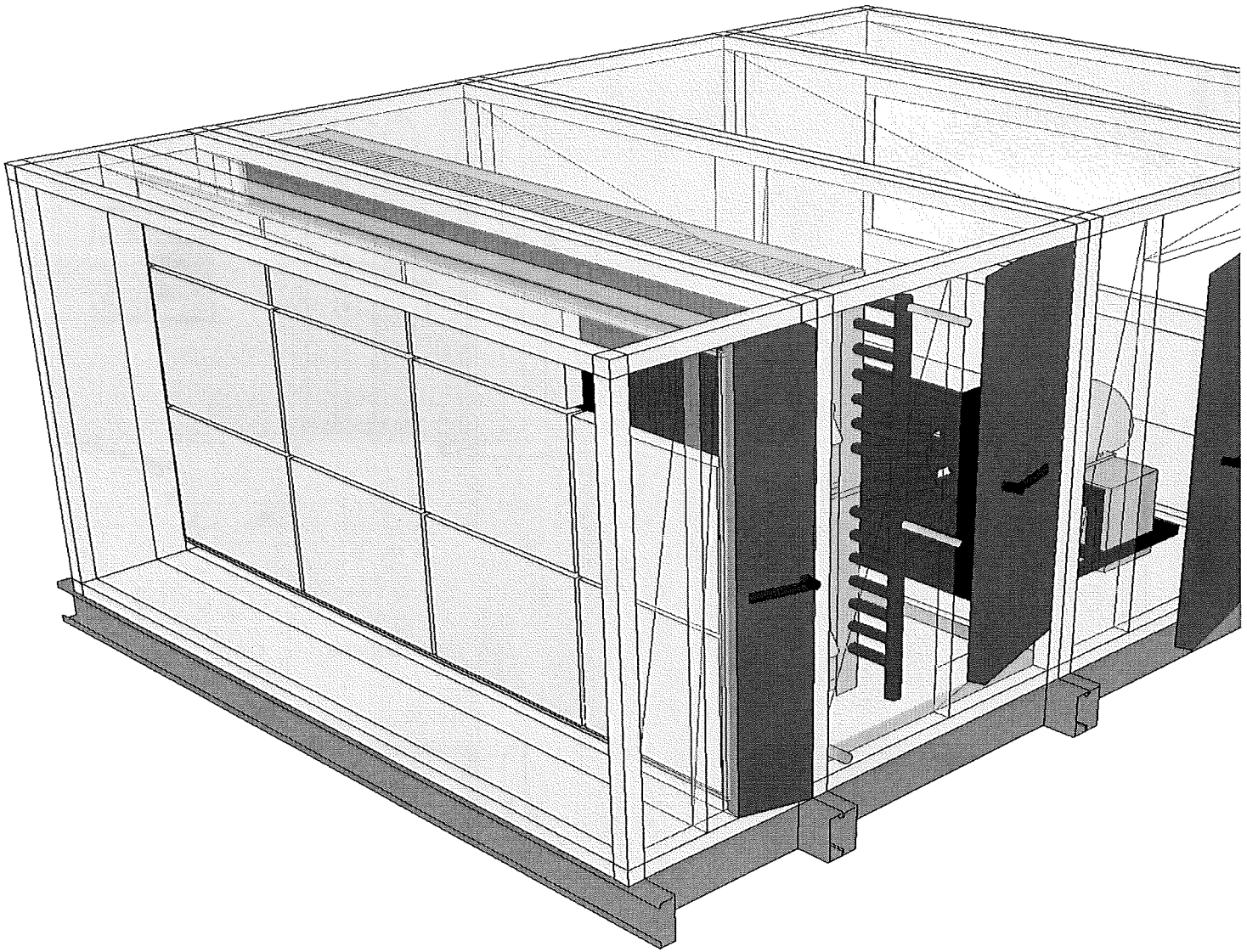
Electrical Connections	Unit Tag: AHU-A cooling	Sales Office: Daikin TMI LLC (Kansas City)			136C www
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson	Sales Engineer:			
Model: CAH030GDGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.		Tolerance: +/-0.25"	Dwg Units: In		

Job Number: 92BLK
 Job Name: MWSU Potter and Fulkerson

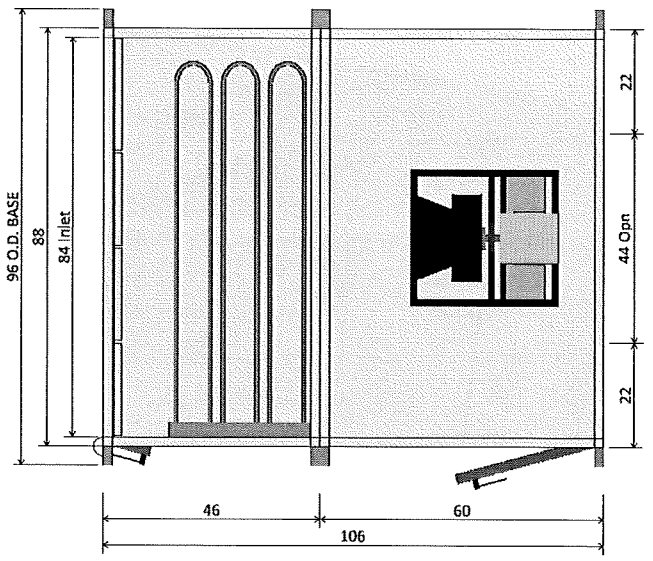
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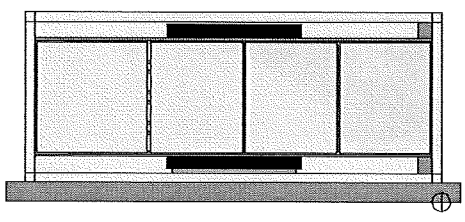
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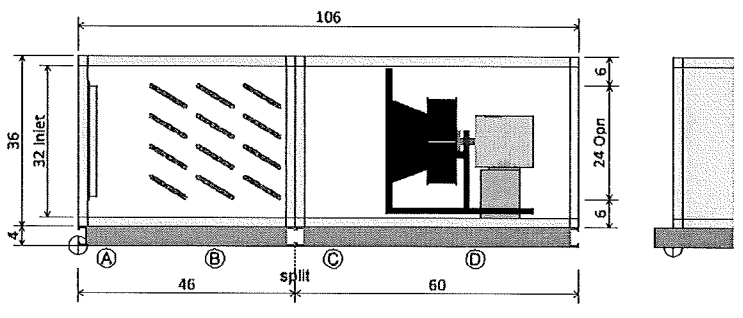
Product Drawing		Unit Tag: AHU-A cooling		Sales Office: Daikin TMI LLC (Kansas City)			136 www
Product: Vision Air Handler		Project Name: MWSU Potter and Fulkerson		Sales Engineer:			
Model: CAH030GDGM		July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.							



PLAN VIEW

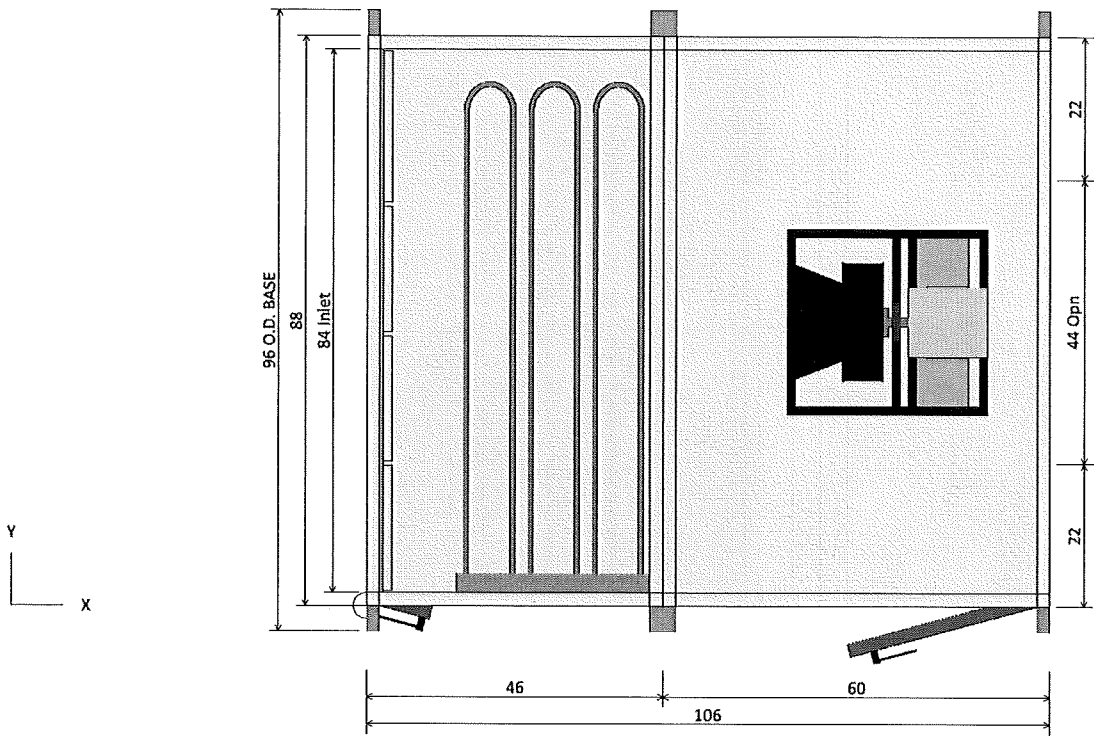


FRONT END VIEW

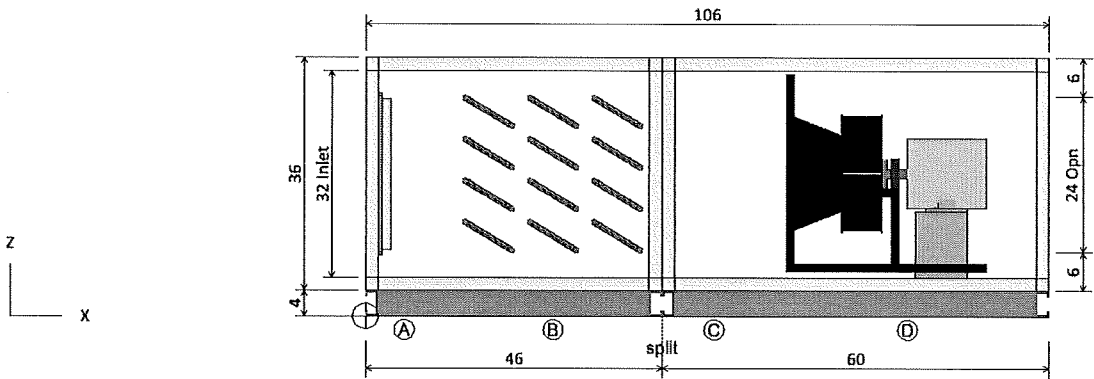


ELEVATION VIEW

Plan/Elevation	Unit Tag: AHU-A heating			Sales Office: Daikin TMI LLC (Kansas City)		
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson			Sales Engineer:		
Model: CAH015GVGM	July 8, 2020	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.						



PLAN VIEW

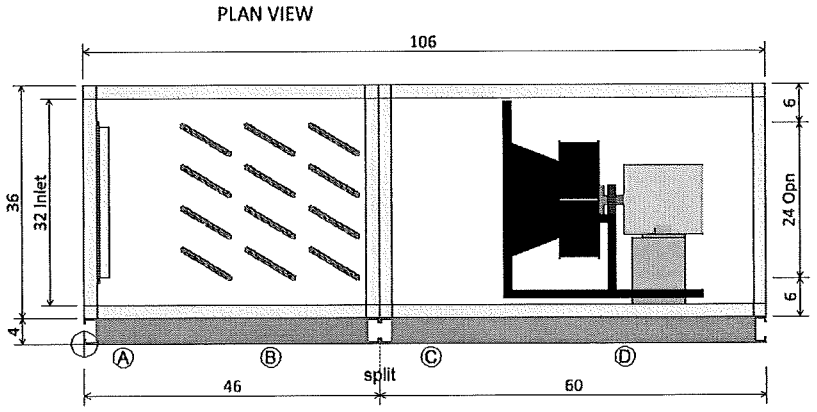
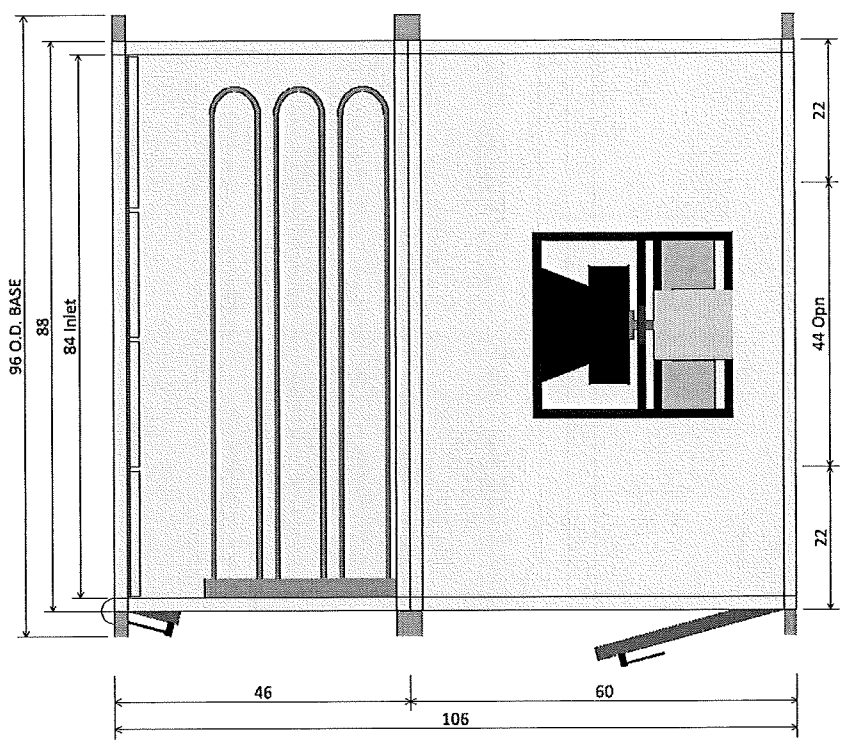


ELEVATION VIEW

Plan/Elevation - No Ends	Unit Tag: AHU-A heating			Sales Office: Daikin TMI LLC (Kansas City)		
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson			Sales Engineer:		
Model: CAH015GVGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: In

136C
 www

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.

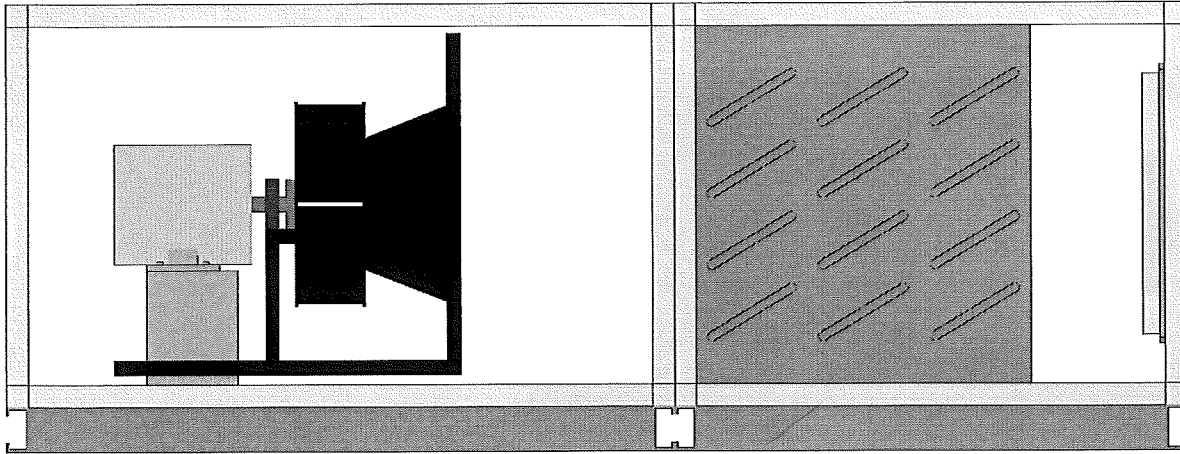


Type
(A) Panel Filter
Opening
(D) Supply Fan
Fan Discharge

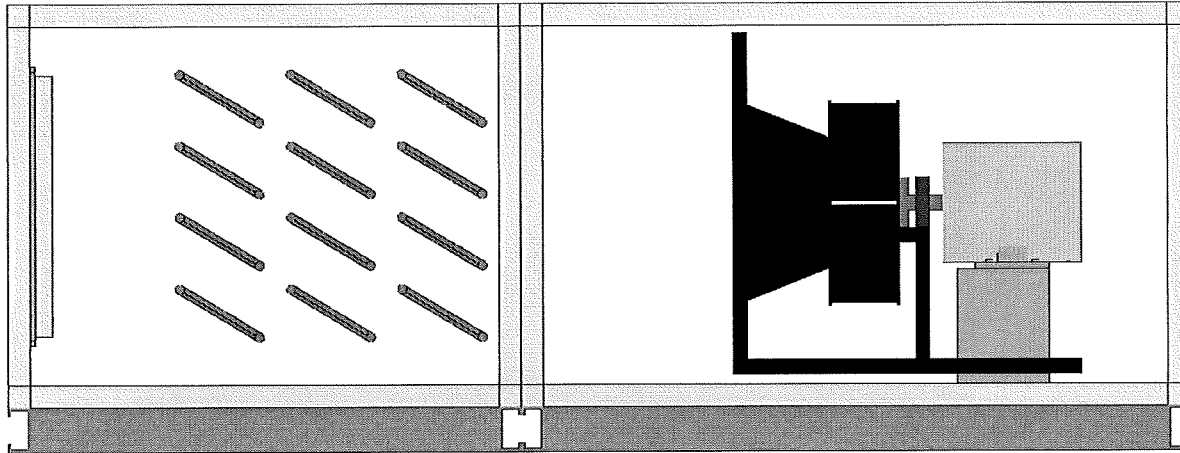
Note: Dimensions are in inches.

Opening/Damper Connections	Unit Tag: AHU-A heating	Sales Office: Daikin TMI LLC (Kansas City)				
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson	Sales Engineer:				
Model: CAH015GVGM	July 8, 2020	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.						

Note: Dimensions are measur



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

Coil and Drain Connections	Unit Tag: AHU-A heating	Sales Office: Daikin TMI LLC (Kansas City)				1366 www
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson	Sales Engineer:				
Model: CAH015GVGM	July 8, 2020	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.						

Job Number: 92BL/YK
Job Name: MWSU Potter and Fulkerson

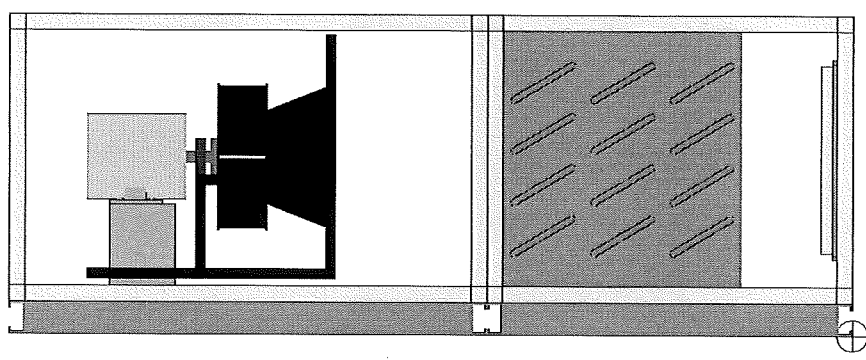
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Prepared Date:

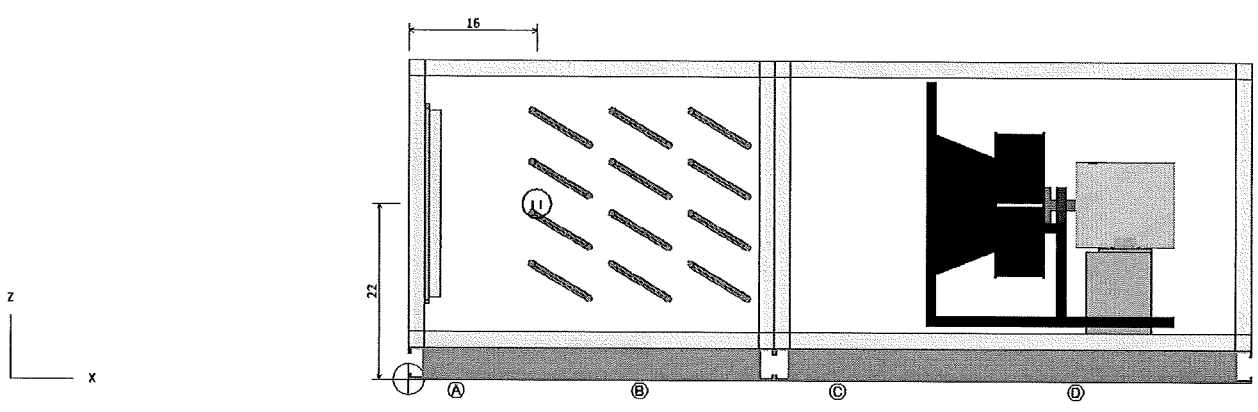
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Type	
Ⓑ Electric Heater	16
Electric Heater	

Note: Dimensions are



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

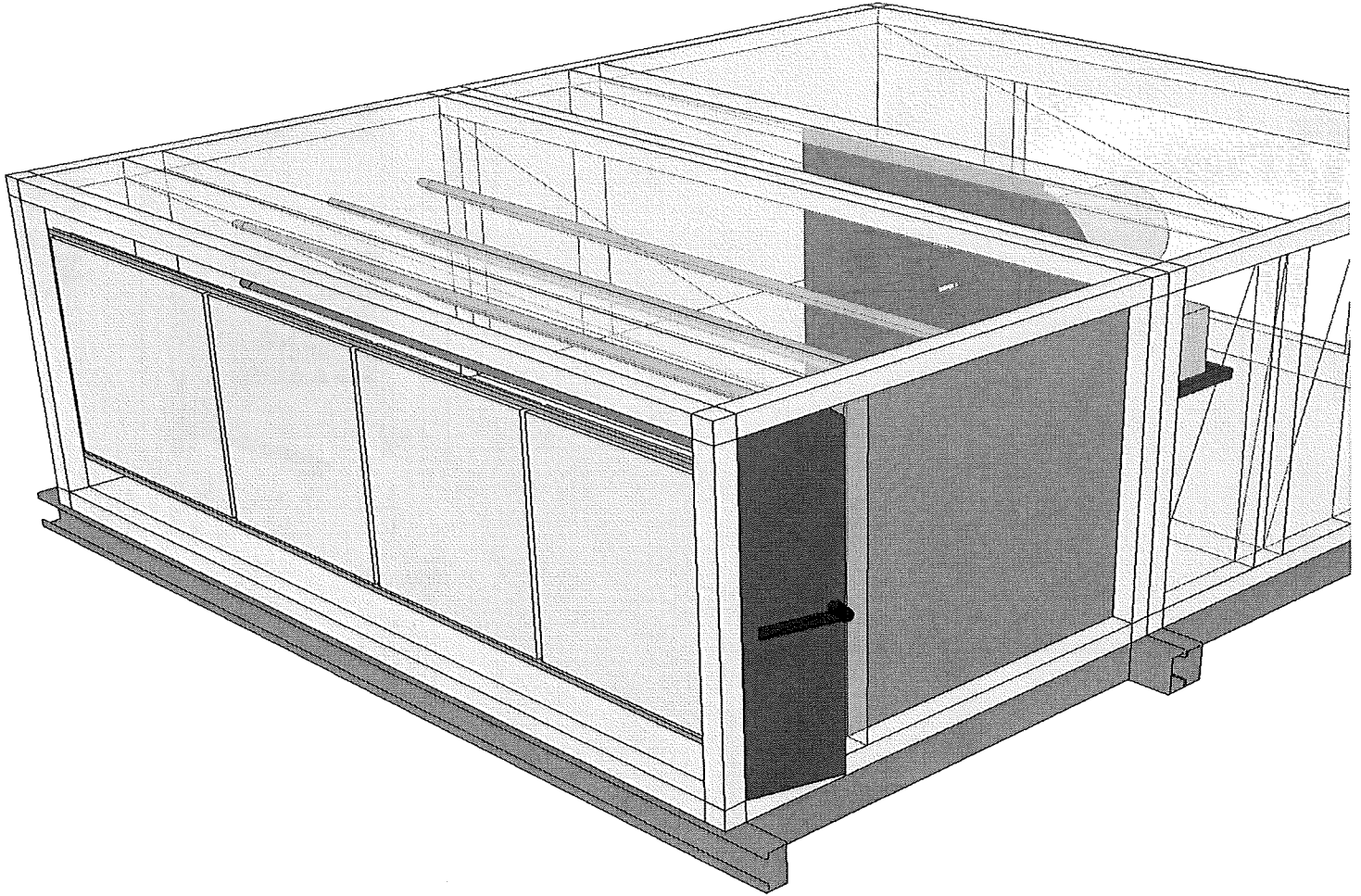
Electrical Connections	Unit Tag: AHU-A heating	Sales Office: Daikin TMI LLC (Kansas City)			
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson	Sales Engineer:			
Model: CAH015GVGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.			Dwg Units: in		

Job Number: 92BL/YK
 Job Name: MWSU Potter and Fulkerson

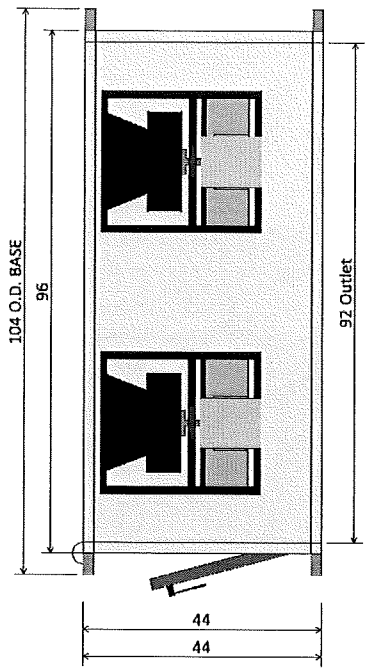
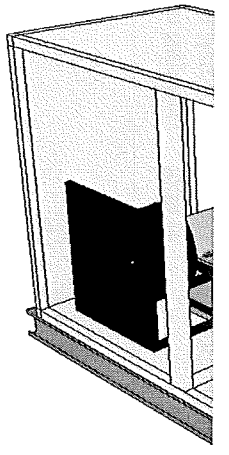
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Prepared Date:

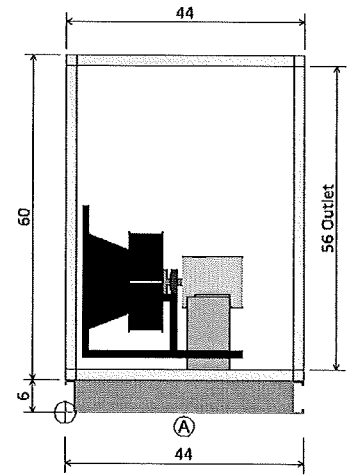
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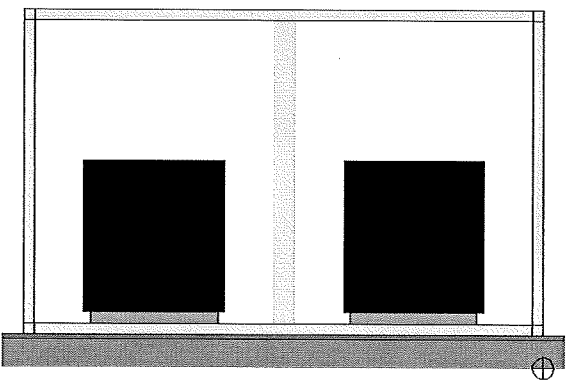
Product Drawing		Unit Tag: AHU-A heating			Sales Office: Daikin TMI LLC (Kansas City)			1366 www
Product: Vision Air Handler		Project Name: MWSU Potter and Fulkerson			Sales Engineer:			
Model: CAH015GVGM		July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: In	
All opening dimensions have a 1" mounting flange along the inner edge. The actual airflow area of the opening is 2" smaller in each dimension.								



PLAN VIEW

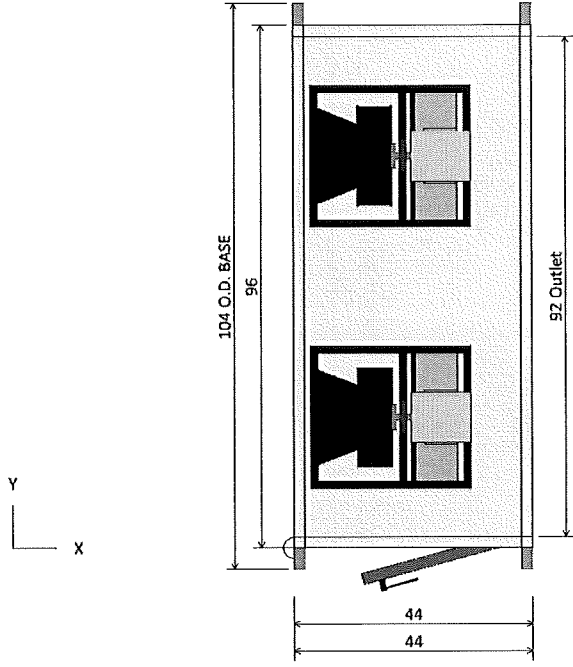


ELEVATION VIEW

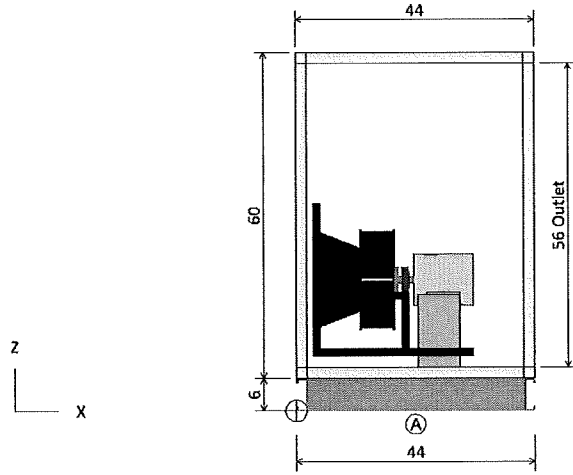


FRONT END VIEW

Plan/Elevation		Unit Tag: AHU-A return fan			Sales Office: Daikin TMI LLC (Kansas City)		
Product: Vision Air Handler		Project Name: MWSU Potter and Fulkerson			Sales Engineer:		
Model: CAH030GVGM		July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: In



PLAN VIEW

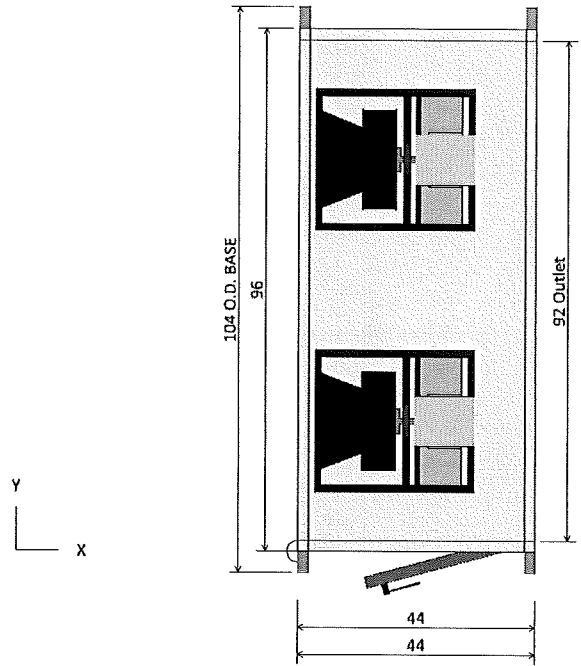


ELEVATION VIEW

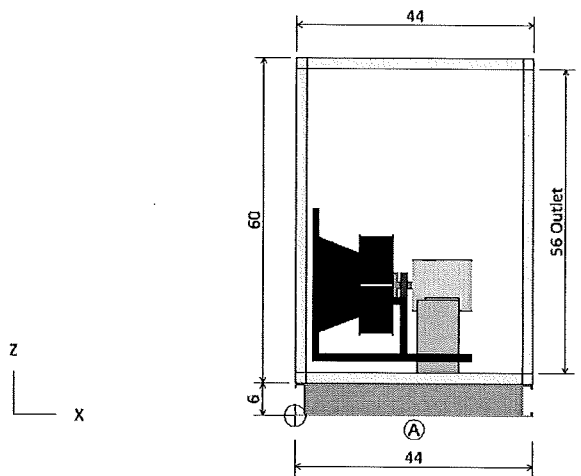
Plan/Elevation - No Ends	Unit Tag: AHU-A return fan			Sales Office: Daikin TMI LLC (Kansas City)		
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson			Sales Engineer:		
Model: CAH030GVGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

Type
Supply Fan Opening Fan Discharge

Note: Dimension



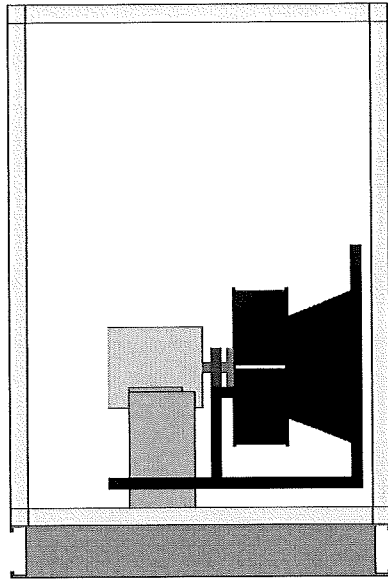
PLAN VIEW



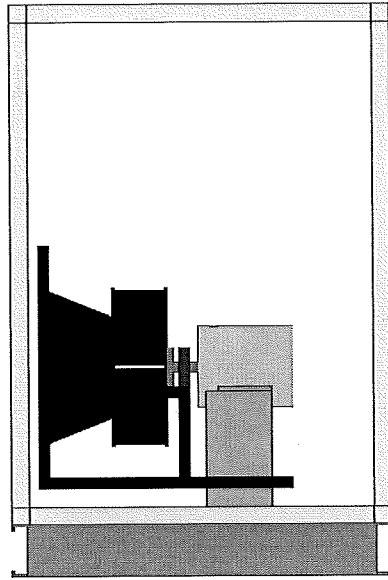
ELEVATION VIEW

Opening/Damper Connections	Unit Tag: AHU-A return fan	Sales Office: Daikin TMI LLC (Kansas City)			
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson	Sales Engineer:			
Model: CAH030GVGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25" Dwg Units: in

Note: Dimensions are measur



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

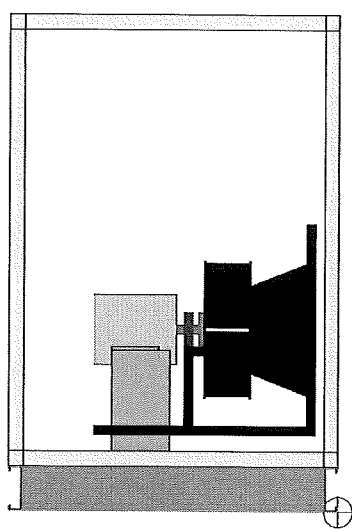
Coil and Drain Connections	Unit Tag: AHU-A return fan	Sales Office: Daikin TMI LLC (Kansas City)				1366 www
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson	Sales Engineer:				
Model: CAH030GVGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	

Job Number: 92BLVK
Job Name: MWSU Potter and Fulkerson

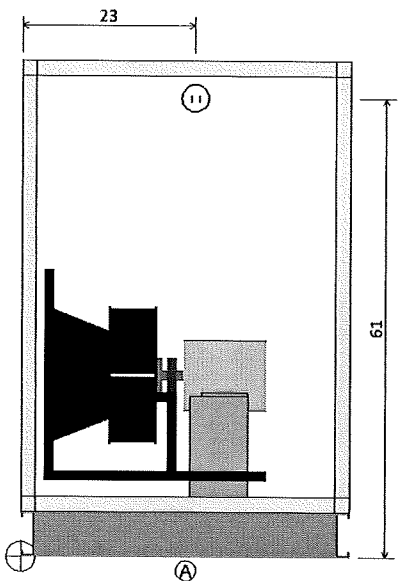
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LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW



Type	
Supply Fan	
LED Marine Light GFI	23

Note: Dimensions are meas

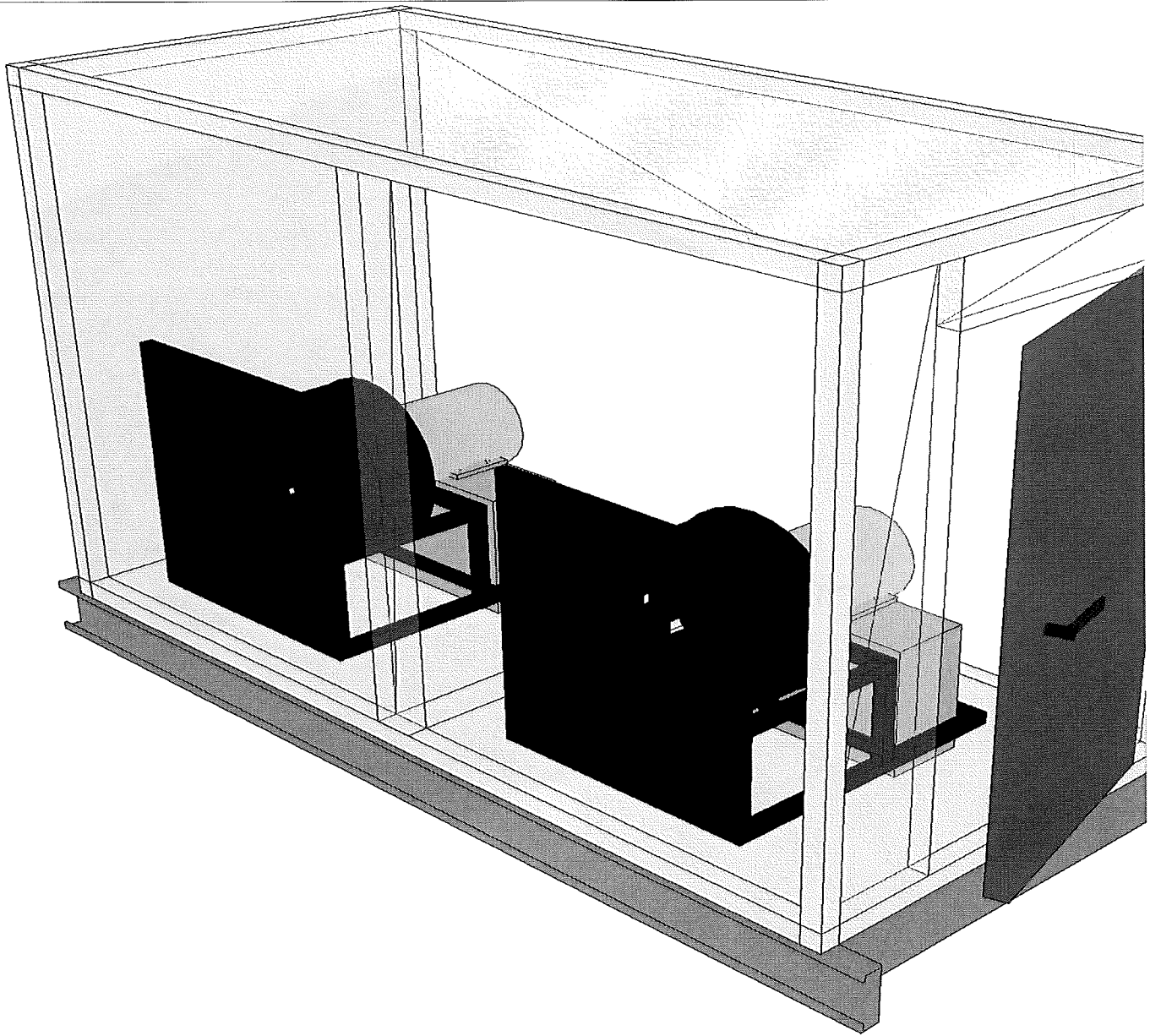
Electrical Connections	Unit Tag: AHU-A return fan	Sales Office: Daikin TMI LLC (Kansas City)			
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson	Sales Engineer:			
Model: CAH030GVGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"
					Dwg Units: In

Job Number: 92BLYK
 Job Name: MWSU Potter and Fulkerson

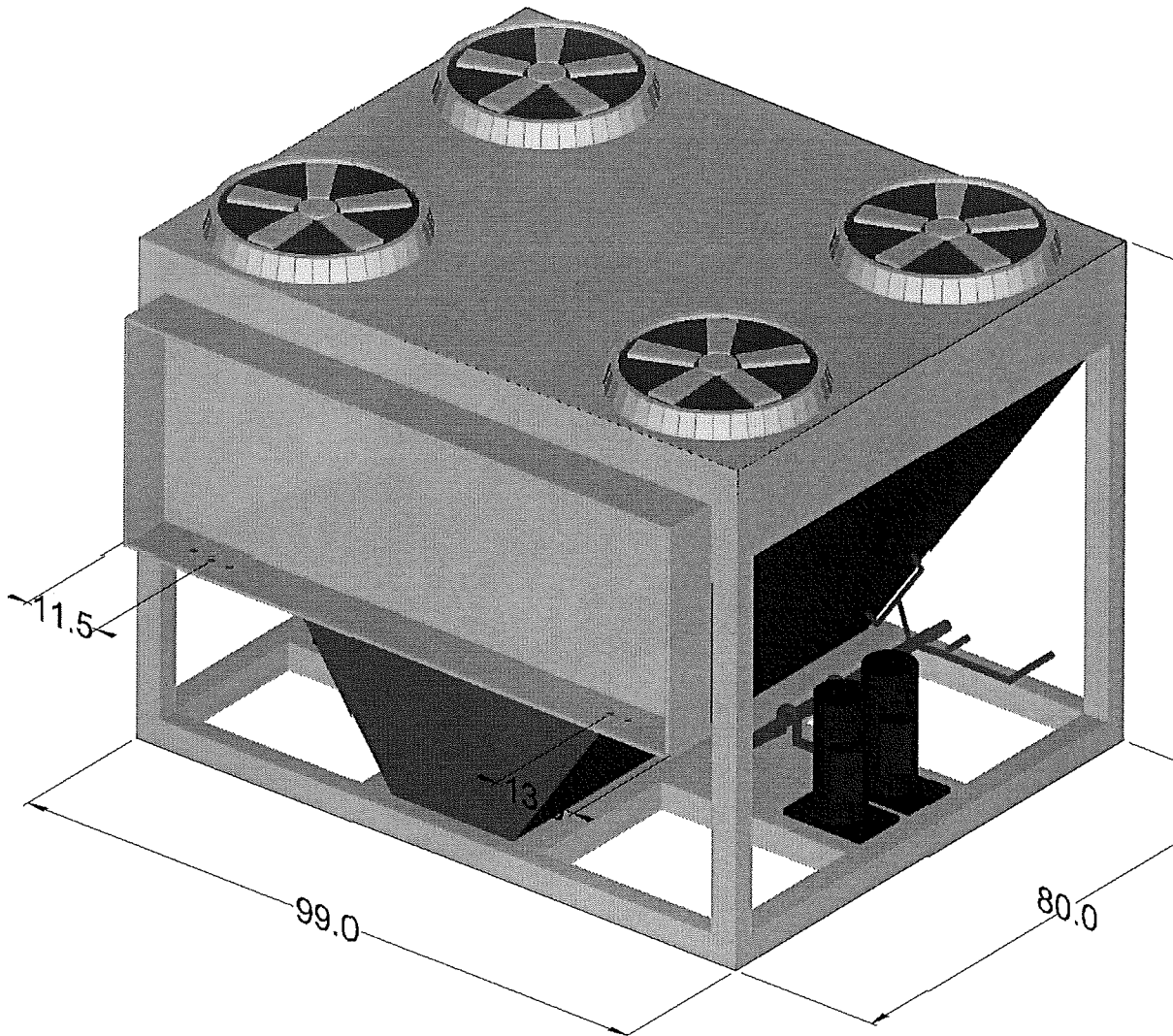
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Prepared Date:

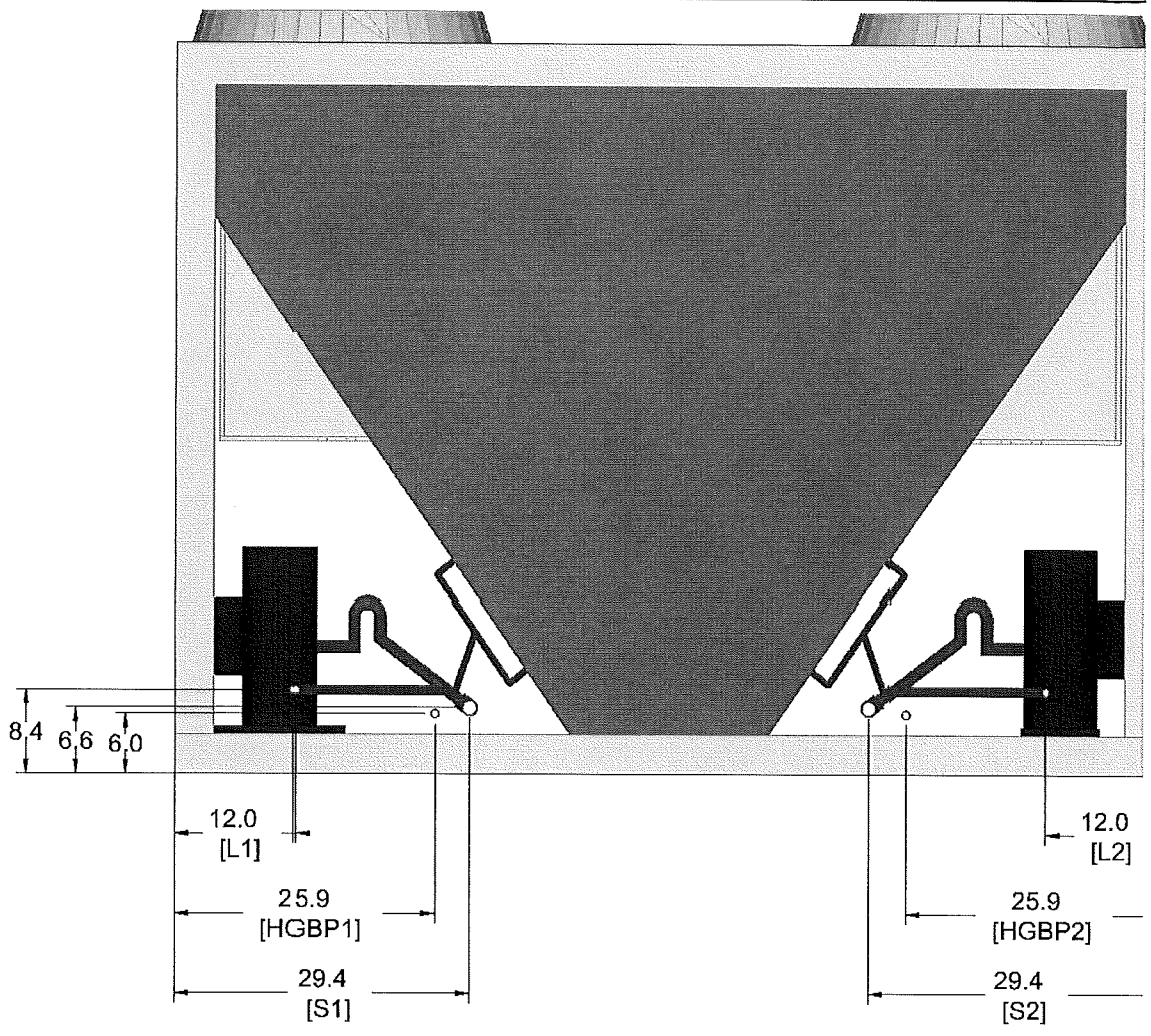
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Product Drawing	Unit Tag: AHU-A return fan			Sales Office: Daikin TMI LLC (Kansas City)			1366 www
Product: Vision Air Handler	Project Name: MWSU Potter and Fulkerson			Sales Engineer:			
Model: CAH030GVGM	July 8, 2020	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: In	



Product Drawing	Unit Tag: CU-A			Sales Office: Daikin TMI LLC (Kansas City)			136 www
Product:	Project Name: MWSU Potter and			Sales Engineer:			
Model: RCS045D	July 08, 2020	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.							



ELEVATION VIEW - PIPE CONNECTION DETAILS

Product Drawing		Unit Tag: CU-A			Sales Office: Daikin TMI LLC (Kansas City)			136 www
Product:		Project Name: MWSU Potter and			Sales Engineer:			
Model: RCS045D		July 08, 2020	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.								

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