

Report By:

**National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246**



**Report: MS TAB report
Function: Test, Adjust, & Balance
Date: 11/20/2023**

PROJECT

Indian Hill Middle School (Cincinnati, OH)

6845 Drake Rd

Cincinnati, OH 45246

Client

Feldkamp Enterprises
3642 Muddy Creek Rd
Cincinnati, OH 45238

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

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Project: Indian Hill Middle School (Cincinnati, OH)



Circuit Setter

CHW CS/

Asset							
Asset Name	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
AHU-M1	6	AUTO	488.0				-
AHU-M2	6	AUTO	357.0				-
AHU-M3	3	AUTO	331.0				-
AHU-M4	3	AUTO	62.0				-
MAU-1		AUTO	44.0				-
Total			1282			0	0%

HW CS/

Asset							
Asset Name	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
AHU-M1	4.0	AUTO	174.0				-
AHU-M2	4.0	AUTO	135.0				-
AHU-M3	3.0	AUTO	125.0				-
AHU-M4	2.0	AUTO	34.0				-
FPVAV-1-1	0.75	AUTO	0.40				-
FPVAV-1-2	0.75	AUTO	2.60				-
FPVAV-4-1	0.75	AUTO	2.60				-
MAU-1		AUTO	47.3				-
UH-1	0.75	AUTO	2.50				-
VAV-1-1-1	0.75	AUTO	1.87				-
VAV-1-1-2	0.75	AUTO	2.03				-
VAV-1-1-3	0.75	AUTO	1.90				-
VAV-1-1-4	0.75	AUTO	1.90				-
VAV-1-1-5	0.75	AUTO	1.61				-
VAV-1-1-6	0.75	AUTO	1.37				-
VAV-1-1-7	0.75	AUTO	0.94				-
VAV-1-1-8	0.75	AUTO	2.31				-
VAV-1-1-9	0.75	AUTO	2.31				-
VAV-1-1-10	0.75	AUTO	0.68				-
VAV-1-1-11	0.75	AUTO	1.20				-
VAV-1-1-12	0.75	AUTO	1.25				-
VAV-1-1-13	0.75	AUTO	2.70				-
VAV-1-1-14	0.75	AUTO	2.70				-
VAV-1-1-15	0.75	AUTO	1.90				-
VAV-1-1-16	0.75	AUTO	0.88				-
VAV-1-1-17	0.75	AUTO	2.85				-
VAV-1-1-18	0.75	AUTO	2.89				-
VAV-1-1-19	0.75	AUTO	2.70				-
VAV-1-1-20	0.75	AUTO	2.85				-
VAV-1-1-21	0.75	AUTO	3.42				-
VAV-1-1-22	0.75	AUTO	1.53				-
VAV-1-1-23	0.75	AUTO	1.53				-
VAV-1-1-24	0.75	AUTO	1.20				-
VAV-1-1-25	0.75	AUTO	1.90				-
VAV-1-1-26	0.75	AUTO	2.42				-
VAV-1-1-27	0.75	AUTO	1.46				-
VAV-1-1-28	0.75	AUTO	1.37				-
VAV-1-1-18A1	0.75	AUTO	0.29				-
VAV-1-2-1	0.75	AUTO	2.70				-
VAV-1-2-2	0.75	AUTO	1.90				-
VAV-1-2-3	0.75	AUTO	1.90				-
VAV-1-2-4	0.75	AUTO	1.90				-
VAV-1-2-5	0.75	AUTO	2.07				-
VAV-1-2-6	0.75	AUTO	2.78				-
VAV-1-2-7	0.75	AUTO	2.50				-
VAV-1-2-8	0.75	AUTO	3.20				-
VAV-1-2-9	0.75	AUTO	3.20				-
VAV-1-2-10	0.75	AUTO	1.99				-
VAV-1-2-11	0.75	AUTO	1.20				-
VAV-1-2-12	0.75	AUTO	0.77				-
VAV-1-2-13	0.75	AUTO	3.17				-
VAV-1-2-14	0.75	AUTO	3.27				-
VAV-1-2-15	0.75	AUTO	3.14				-
VAV-1-2-16	0.75	AUTO	1.90				-
VAV-1-2-17	0.75	AUTO	2.42				-
VAV-1-2-18	0.75	AUTO	2.42				-
VAV-1-2-19	0.75	AUTO	2.29				-
VAV-1-2-20	0.75	AUTO	2.77				-
VAV-1-2-21	0.75	AUTO	2.85				-
VAV-1-2-22	0.75	AUTO	2.59				-
VAV-1-2-23	0.75	AUTO	2.24				-
VAV-1-2-24	0.75	AUTO	2.24				-
VAV-1-2-25	0.75	AUTO	2.16				-
VAV-2-1-1	0.75	AUTO	0.94				-
VAV-2-1-2	0.75	AUTO	1.37				-
VAV-2-1-3	0.75	AUTO	1.55				-

VAV-2-1-4	0.75	AUTO	2.42				-
VAV-2-1-5	0.75	AUTO	0.94				-
VAV-2-1-6	1.0	AUTO	4.98				-
VAV-2-1-7	0.75	AUTO	1.75				-
VAV-2-1-8	0.75	AUTO	2.72				-
VAV-2-1-9	0.75	AUTO	1.99				-
VAV-2-1-10	0.75	AUTO	3.01				-
VAV-2-1-11	0.75	AUTO	0.20				-
VAV-2-1-12	0.75	AUTO	0.53				-
VAV-2-1-13	0.75	AUTO	0.25				-
VAV-2-1-14	0.75	AUTO	3.56				-
VAV-2-1-15	0.75	AUTO	0.40				-
VAV-2-2-1	0.75	AUTO	0.40				-
VAV-2-2-2	0.75	AUTO	2.16				-
VAV-2-2-3	0.75	AUTO	2.85				-
VAV-2-2-4	0.75	AUTO	3.33				-
VAV-2-2-5	0.75	AUTO	2.40				-
VAV-2-2-6	0.75	AUTO	3.33				-
VAV-2-2-7	0.75	AUTO	2.29				-
VAV-2-2-8	0.75	AUTO	2.29				-
VAV-2-2-9	0.75	AUTO	2.70				-
VAV-2-2-10	0.75	AUTO	2.29				-
VAV-2-2-11	0.75	AUTO	2.16				-
VAV-2-2-12	0.75	AUTO	2.40				-
VAV-2-2-13	0.75	AUTO	1.75				-
VAV-2-2-14	0.75	AUTO	1.75				-
VAV-2-2-15	0.75	AUTO	0.96				-
VAV-2-2-16	0.75	AUTO	0.96				-
VAV-2-2-17	0.75	AUTO	1.73				-
VAV-3-1-1	1.25	AUTO	13.95				-
VAV-3-1-2	1.25	AUTO	13.95				-
VAV-3-1-3	0.75	AUTO	1.20				-
VAV-3-1-4	0.75	AUTO	1.37				-
VAV-3-1-5	0.75	AUTO	0.68				-
VAV-3-1-6	0.75	AUTO	1.75				-
VAV-3-1-7	0.75	AUTO	2.07				-
VAV-3-1-8	0.75	AUTO	0.69				-
VAV-3-1-9	0.75	AUTO	0.69				-
VAV-3-1-10	0.75	AUTO	1.20				-
VAV-3-1-11	0.75	AUTO	1.37				-
VAV-3-1-12	0.75	AUTO	1.19				-
VAV-3-1-13	1.0	AUTO	6.84				-
VAV-3-1-14	1.0	AUTO	7.89				-
VAV-3-1-15	0.75	AUTO	0.94				-
VAV-3-1-10B1	0.75	AUTO	1.75				-
VAV-4-1-1	0.75	AUTO	1.19				-
VAV-4-1-2	0.75	AUTO	0.94				-
VAV-4-1-3	0.75	AUTO	1.19				-
VAV-4-1-4	0.75	AUTO	3.32				-
VAV-4-1-5	0.75	AUTO	0.69				-
VAV-4-1-6	0.75	AUTO	0.88				-
VAV-4-1-7	0.75	AUTO	0.68				-
VAV-4-1-8	0.75	AUTO	0.68				-
VAV-4-1-9	0.75	AUTO	1.87				-
VAV-4-1-10	0.75	AUTO	0.68				-
VAV-4-1-11	0.75	AUTO	0.69				-
VAV-4-1-12	0.75	AUTO	0.69				-
VAV-4-1-13	0.75	AUTO	1.19				-
VAV-4-1-14	0.75	AUTO	1.19				-
VAV-4-1-15	0.75	AUTO	1.99				-
VAV-4-1-16	0.75	AUTO	3.32				-
VAV-4-1-17	0.75	AUTO	1.55				-
VAV-4-1-18	0.75	AUTO	1.20				-
VAV-4-1-19	0.75	AUTO	0.69				-
VAV-4-1-20	0.75	AUTO	0.30				-
VAV-4-1-21	0.75	AUTO	3.32				-
VAV-4-1-22	0.75	AUTO	3.32				-
VAV-4-1-23	0.75	AUTO	3.32				-
VAV-4-1-24	0.75	AUTO	3.32				-

VAV-4-1-25	0.75	AUTO	3.32				-
VAV-4-1-26	0.75	AUTO	0.68				-
VAV-4-1-27	0.75	AUTO	1.99				-
VAV-4-1-28	0.75	AUTO	3.02				-
VAV-4-1-29	0.75	AUTO	0.68				-
VAV-4-1-30	0.75	AUTO	0.69				-
VAV-4-1-31	0.75	AUTO	0.11				-
VAV-4-1-32	0.75	AUTO	0.11				-
VAV-4-1-33	0.75	AUTO	0.11				-
VAV-4-1-34	0.75	AUTO	2.16				-
VAV-4-1-35	0.75	AUTO	2.24				-
VAV-4-1-36	0.75	AUTO	1.99				-
VAV-4-1-37	0.75	AUTO	0.68				-
VAV-4-1-38	0.75	AUTO	0.30				-
Total			813.110000000000 8			0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:KITCHEN HOOD

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-240-VG
Serial Num	-	
Type	CRE UPBLAST	

Test Data		
	Design	Actual
CFM	6410	
RL Voltage	-	460
RL Amperage	-	7.1
Total ESP	1.125	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	5.0	
Motor Rpm	1140	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	7.1
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:WARE WASHING HOOD

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-099-VG
Serial Num	-	
Type	-	CRE UPBLAST

Test Data		
	Design	Actual
CFM	1000	
RL Voltage	-	115
RL Amperage	-	2.85
Total ESP	0.50	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.25	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	2.85
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA:EX104

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-120-VG
Serial Num	-	
Type	-	CRE UPBLAST

Test Data		
	Design	Actual
CFM	1260	
RL Voltage	-	277
RL Amperage	-	1.5
Total ESP	0.50	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.25	
Motor Rpm	1400	
Phase	1	
Voltage (rated)	277	
Amperage (rated)	-	1.5
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-3/EX104

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF3-1								
EF3-2								
EF3-3								
EF3-4								
EF3-5								
EF3-6								
Total			0		0	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-4

AREA:225

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-240-VG
Serial Num	-	
Type	-	CRE UPBLAST

Test Data		
	Design	Actual
CFM	7625	
RL Voltage	-	460
RL Amperage	-	7.1
Total ESP	1.25	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	5.0	
Motor Rpm	1140	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	7.1
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-4/225

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF4-1	E		75					-
EF4-2	E6L	6	100					-
EF4-3	E		75					-
EF4-4	E8D	8	50					-
EF4-5	E8D	8	50					-
EF4-6	E8D	8	150					-
EF4-7	E8D	8	150					-
EF4-8	E		65					-
EF4-9	E8D	8	50					-
EF4-10	E12L	12	500					-
EF4-11	E12L	12	500					-
EF4-12	E12L	12	500					-
EF4-13	E12L	12	500					-
EF4-14	E8L	8	75					-
EF4-15	E8D	8	75					-
EF4-16	E8L	8	100					-
EF4-17	E		450					-
EF4-18	E		450					-
EF4-19	EG	12X8	230					-
EF4-20	EG	12X8	230					-
EF4-21	EG	12X8	230					-
EF4-22	EG	12X8	230					-
EF4-23	EG	12X8	230					-
EF4-24	E10L	10	300					-
EF4-25	E8D	8	329					-
EF4-26	E8D	8	50					-
EF4-27	E8D	8	150					-
EF4-28	E8D	8	150					-
EF4-29	E8D	8	65					-
EF4-30	E8D	8	50					-
EF4-31								
EF4-32								
EF4-33								
EF4-34								
Total			6159		0	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-5

AREA:250

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	SQ-18-VG
Serial Num	-	
Type	INLINE	

Test Data		
	Design	Actual
CFM	3825	
RL Voltage	-	208
RL Amperage	-	12.5
Total ESP	0.75	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.0	
Motor Rpm	1310	
Phase	1	
Voltage (rated)	208	
Amperage (rated)	-	12.5
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-5/250

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF5-1	EG	6X6	100					-
EF5-2	E8D	8	200					-
EF5-3	E8D	8	200					-
EF5-4	E6D	6	50					-
EF5-5	E6DX	6	50					-
EF5-6	E6DX	6	50					-
EF5-7	E12L	12	450					-
EF5-8	E12L	12	450					-
EF5-9	E12L	12	450					-
EF5-10	E12L	12	450					-
EF5-11	E8D	8	150					-
EF5-12	E6D	6	50					-
EF5-13	E6D	6	50					-
EF5-14	E8D	8	150					-
EF5-15	E8D	8	150					-
EF5-16	E6D	6	50					-
EF5-17	E6D	6	50					-
EF5-18	E6D	6	50					-
EF5-19	E6DX	6	50					-
EF5-20	E6L	6	75					-
EF5-21	E6DX	6	50					-
EF5-22	E6L	6	75					-
EF5-23	E6DX	6	50					-
EF5-24	E6D	6	50					-
EF5-25	E6D	6	50					-
EF5-26	E6D	6	50					-
EF5-27	E6D	6	50					-
EF5-28	E6DX	6	50					-
EF5-29	E6DX	6	50					-
EF5-30	E6L	6	75					-
Total			3825		0	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-6

AREA:130B

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-100HP-VG
Serial Num	-	
Type	CRE UPBLAST	

Test Data		
	Design	Actual
CFM	200	
RL Voltage	-	115
RL Amperage	-	2.85
Total ESP	0.5	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.25	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	2.85
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-6/130B

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF6-1	EG	8X8	200					-
Total			200		0	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-7

AREA:041

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-095-VG
Serial Num	-	
Type	CRE UPBLAST	

Test Data		
	Design	Actual
CFM	400	
RL Voltage	-	115
RL Amperage	-	2.2
Total ESP	0.5	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.167	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	2.2
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-7/041

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF7-1	E8D	8	150					-
EF7-2	E8D	8	150					-
EF7-3	E6D	6	50					-
EF7-4	E6D	6	50					-
Total			400		0	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-8

AREA:118

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-095-VG
Serial Num	-	
Type	CRE UPBLAST	

Test Data		
	Design	Actual
CFM	320	
RL Voltage	-	115
RL Amperage	-	2.2
Total ESP	0.5	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.167	
Motor Rpm	1725	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	2.2
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-8/118

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF8-1	E6L	6	70					-
EF8-2	E6L	6	50					-
EF8-3	E6L	6	50					-
EF8-4	E6L	6	90					-
EF8-5	E		60					-
Total			320		0	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: FAN - Supply



Asset: MAU-1

AREA: OUTSIDE AIR

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	MSX-P116-H22-MF
Serial Num	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	6
Filter Size 1	-	20X20X2

Test Data		
	Design	Actual
CFM	5128	
SF RPM	1963	
RL Voltage	-	460
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.63	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3.0	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	
Service Factor	-	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-M1

AREA:100

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	MILLER-PICKING
Model Number	NA	MPI-123x171
Serial Number	-	
No. Pre-Filters / Size (1)	24X24X4 / 24	
No. Pre-Filters / Size (2)	24X12X4 / 4	
No. Pre-Filters / Size (3)	24X24X12 / 24	
No. Final Filters / Size (1)	24X12X12 / 4	
No. Final Filters / Size (2)	24X24X2 / 8	
No. Final Filters / Size (3)	12X24X2 / 2	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	MILLER-PICKING	
Model Number	MPI-123x171	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	BALDOR / 254
Horsepower / RPM	-	8@ 15.0 / 3600
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	17.50 /

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	BALDOR / 215
Horsepower / RPM	-	8@ 5.0 / 1200
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	7.20 /

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	50000	
OA CFM	25000	
Fan RPM	3151	
VFD Speed	-	
RL Voltage	460	
RL Amperage	17.50	
Motor B.H.P.	11.77	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	50000	
Fan RPM	1632	
VFD Speed	-	
RL Voltage	460	
RL Amperage	7.20	
Motor B.H.P.	4.9	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	7.00	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	2.20	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	3.00	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	0.58	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

AHU-DUAL FAN



VAV - Single Duct

AHU-M1/100

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-1-1-1	PRICE	SDV	REHEAT	12	960		910		960		
VAV-1-1-2	PRICE	SDV	REHEAT	12	960		915		960		
VAV-1-1-3	PRICE	SDV	REHEAT	12	920		920		920		
VAV-1-1-4	PRICE	SDV	REHEAT	12	920		900		920		
VAV-1-1-5	PRICE	SDV	REHEAT	9	680		300		680		
VAV-1-1-6	PRICE	SDV	REHEAT	7	480		240		480		
VAV-1-1-7	PRICE	SDV	REHEAT	7	400		255		400		
VAV-1-1-8	PRICE	SDV	REHEAT	10	860		545		860		
VAV-1-1-9	PRICE	SDV	REHEAT	10	860		545		860		
VAV-1-1-10	PRICE	SDV	REHEAT	6	280		280		280		
VAV-1-1-11	PRICE	SDV	REHEAT	7	440		260		440		
VAV-1-1-12	PRICE	SDV	REHEAT	12	960		910		960		
VAV-1-1-13	PRICE	SDV	REHEAT	12	1160		1070		1160		
VAV-1-1-14	PRICE	SDV	REHEAT	12	1160		1070		1160		
VAV-1-1-15	PRICE	SDV	REHEAT	12	920		890		920		
VAV-1-1-16	PRICE	SDV	REHEAT	6	450		320		320		
VAV-1-1-17	PRICE	SDV	REHEAT	12	1200		1180		1200		
VAV-1-1-18	PRICE	SDV	REHEAT	14	1400		1345		1400		
VAV-1-1-19	PRICE	SDV	REHEAT	12	1160		1030		1160		
VAV-1-1-20	PRICE	SDV	REHEAT	12	1200		1050		1200		
VAV-1-1-21	PRICE	SDV	REHEAT	16	2250		1700		2250		
VAV-1-1-22	PRICE	SDV	REHEAT	9	660		365		660		
VAV-1-1-23	PRICE	SDV	REHEAT	9	660		365		660		
VAV-1-1-24	PRICE	SDV	REHEAT	12	920		460		660		
VAV-1-1-25	PRICE	SDV	REHEAT	12	960		890		960		
VAV-1-1-26	PRICE	SDV	REHEAT	12	1080		890		1080		
VAV-1-1-27	PRICE	SDV	REHEAT	9	640		325		640		
VAV-1-1-28	PRICE	SDV	REHEAT	7	480		460		480		
VAV-1-1-18A1	PRICE	SDV	REHEAT	5	160		112		160		
VAV-1-2-1	PRICE	SDV	REHEAT	12	1240		910		1240		
VAV-1-2-2	PRICE	SDV	REHEAT	12	920		915		920		
VAV-1-2-3	PRICE	SDV	REHEAT	12	920		920		920		
VAV-1-2-4	PRICE	SDV	REHEAT	12	920		895		920		
VAV-1-2-5	PRICE	SDV	REHEAT	10	800		290		800		
VAV-1-2-6	PRICE	SDV	REHEAT	12	1180		275		1180		
VAV-1-2-7	PRICE	SDV	REHEAT	12	1100		230		1100		
VAV-1-2-8	PRICE	SDV	REHEAT	12	1290		315		1290		
VAV-1-2-9	PRICE	SDV	REHEAT	12	1290		315		1290		
VAV-1-2-10	PRICE	SDV	REHEAT	5	200		200		200		
VAV-1-2-11	PRICE	SDV	REHEAT	7	440		220		440		
VAV-1-2-12	PRICE	SDV	REHEAT	7	360		130		360		
VAV-1-2-13	PRICE	SDV	REHEAT	12	1280		910		1280		
VAV-1-2-14	PRICE	SDV	REHEAT	14	1520		1070		1520		
VAV-1-2-15	PRICE	SDV	REHEAT	14	1480		1070		1480		
VAV-1-2-16	PRICE	SDV	REHEAT	12	920		895		920		
VAV-1-2-17	PRICE	SDV	REHEAT	12	1080		975		1080		
VAV-1-2-18	PRICE	SDV	REHEAT	12	1080		850		1080		
VAV-1-2-19	PRICE	SDV	REHEAT	12	1040		885		1040		
VAV-1-2-20	PRICE	SDV	REHEAT	14	1360		1170		1360		
VAV-1-2-21	PRICE	SDV	REHEAT	12	1200		1170		1200		
VAV-1-2-22	PRICE	SDV	REHEAT	12	920		400		920		
VAV-1-2-23	PRICE	SDV	REHEAT	10	840		400		840		
VAV-1-2-24	PRICE	SDV	REHEAT	10	840		420		840		
VAV-1-2-25	PRICE	SDV	REHEAT	12	1000		690		1000		

VAV-Fan Powered Box

AHU-M1/100

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPVAV-2	PRICE	FDC			16	2000		650		2000		

Diffuser Supply (GRD)

VAV-1-1-1/151

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
111-1	151	S10L	10	240			-
111-2	151	S10L	10	240			-
111-3	151	S10L	10	240			-
111-4	151	S10L	10	240			-
Total				960	0	0	0%

VAV-1-1-10/142, 143

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1110-1	142	S6L	6	140			-
1110-2	143	S6L	6	140			-
Total				280	0	0	0%

VAV-1-1-11/150

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1111-1	156	S6L	6	80			-
1111-2	133	S10L	10	280			-
1111-3	133A	S6L	6	80			-
1111-4	136	SG	6X6	80			-
Total				520	0	0	0%

VAV-1-1-12/150

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1112-1	150	S10L	10	260			-
1112-2	150	S10L	10	260			-
1112-3	150	S10L	10	260			-
1112-4	150	S10L	10	260			-
Total				1040	0	0	0%

VAV-1-1-13/149

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1113-1	149	S10L	10	290			-
1113-2	149	S10L	10	290			-
1113-3	149	S10L	10	290			-
1113-4	149	S10L	10	290			-
Total				1160	0	0	0%

VAV-1-1-14/148

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1114-1	148	S10L	10	290			-
1114-2	148	S10L	10	290			-
1114-3	148	S10L	10	290			-
1114-4	148	S10L	10	290			-
Total				1160	0	0	0%

VAV-1-1-15/132

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1115-1	147	S8L	8	230			-
1115-2	147	S8L	8	230			-
1115-3	147	S8L	8	230			-
1115-4	147	S8L	8	230			-
Total				920	0	0	0%

VAV-1-1-16/132

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1116-1	132	S10L	10	320			-
Total				320	0	0	0%

VAV-1-1-17/131

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1117-1	131	SG	12X8	300			-
1117-2	131	SG	12X8	300			-
1117-3	131	SG	12X8	300			-
1117-4	131	SG	12X8	300			-
Total				1200	0	0	0%

VAV-1-1-18/130

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1118-1	130	SG	12X8	350			-
1118-2	130	SG	12X8	350			-
1118-3	130	SG	12X8	350			-
1118-4	130	SG	12X8	350			-
Total				1400	0	0	0%

VAV-1-1-18A1/130A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1118A-1	130A	SG	10X3	80			-
1118A-2	130B	SG	8X8	80			-
Total				160	0	0	0%

VAV-1-1-19/125

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1119-1	125	S10L	10	290			-
1119-2	125	S10L	10	290			-
1119-3	125	S10L	10	290			-
1119-4	125	S10L	10	290			-
Total				1160	0	0	0%

VAV-1-1-2/152

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
112-1	152	S10L	10	240			-
112-2	152	S10L	10	240			-
112-3	152	S10L	10	240			-
112-4	152	S10L	10	240			-
Total				960	0	0	0%

VAV-1-1-20/103E

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1120-1	104	S		200			-
1120-2	104	S		200			-
1120-3	104	S		200			-
1120-4	104	S		200			-
1120-5	104	S		200			-
1120-6	104	S		200			-
Total				1200	0	0	0%

VAV-1-1-21/103

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1121-1	103A	S8L	8	80			-
1121-2	103A	S8L	8	40			-
1121-3	103	S10L	10	310			-
1121-4	103	S10L	10	310			-
1121-5	103	S10L	10	310			-
1121-6	103	S10L	10	310			-
1121-7	103	S10L	10	310			-
1121-8	103C	S8L	8	160			-
1121-9	103D	S8L	8	160			-
1121-10	103E	S8L	8	260			-
Total				2250	0	0	0%

VAV-1-1-22/101

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1122-1	101	S10L	10	330			-
1122-2	101	S10L	10	330			-
Total				660	0	0	0%

VAV-1-1-23/102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1123-1	102	S10L	10	330			-
1123-2	102	S10L	10	330			-
Total				660	0	0	0%

VAV-1-1-24/157

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1124-1	157	S10L	10	230			-
1124-2	157	S10L	10	230			-
1124-3	157	S10L	10	230			-
1124-4	157	S10L	10	230			-
Total				920	0	0	0%

VAV-1-1-25/106

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1125-1	107	S10L	10	240			-
1125-2	107	S10L	10	240			-
1125-3	107	S10L	10	240			-
1125-4	107	S10L	10	240			-
Total				960	0	0	0%

VAV-1-1-26/106

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1126-1	106	S10L	10	270			-
1126-2	106	S10L	10	270			-
1126-3	106	S10L	10	270			-
1126-4	106	S10L	10	270			-
Total				1080	0	0	0%

VAV-1-1-27/126

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1127-1	127	S8L	8	160			-
1127-2	127	S8L	8	160			-
1127-3	127A	S8L	6	80			-
1127-4	127	S8L	8	160			-
1127-5	127	S8L	8	160			-
Total				720	0	0	0%

VAV-1-1-28/130B

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1128-1	126	S8L	8	120			-
1128-2	126	S8L	8	120			-
1128-3	126	S8L	8	120			-
1128-4	126	S8L	8	120			-
Total				480	0	0	0%

VAV-1-1-3/154

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
113-1	153	S8L	8	230			-
113-2	153	S8L	8	230			-
113-3	153	S8L	8	230			-
113-4	153	S8L	8	230			-
Total				920	0	0	0%

VAV-1-1-4/146A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
114-1	154	S8L	8	220			-
114-2	154	S8L	8	220			-
114-3	154	S8L	8	220			-
114-4	154	S8L	8	220			-
Total				880	0	0	0%

VAV-1-1-5/146B

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
115-1	155	S8L	8	170			-
115-2	155	S8L	8	170			-
115-3	155	S8L	8	170			-
115-4	155	S8L	8	170			-
Total				680	0	0	0%

VAV-1-1-6/146B

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
116-1	146B	S8L	8	200			-
116-2	146B	S8L	8	200			-
Total				400	0	0	0%

VAV-1-1-7/146A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
117-1	146A	S8L	8	200			-
117-2	145	S6L	6	80			-
117-3	146A	S8L	8	200			-
Total				480	0	0	0%

VAV-1-1-8/146

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
118-1	146	S		215			-
118-2	146	S		215			-
118-3	146	S		215			-
118-4	146	S		215			-
Total				860	0	0	0%

VAV-1-1-9/143

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
119-1	146	S		215			-
119-2	146	S		215			-
119-3	146	S		215			-
119-4	146	S		215			-
Total				860	0	0	0%

VAV-1-2-1/227

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
121-1	227	SG	10	310			-
121-2	227	SG	10	310			-
121-3	227	SG	10	310			-
121-4	227	SG	10	310			-
Total				1240	0	0	0%

VAV-1-2-10/208

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1210-1	216	S6L	6	100			-
1210-2	217	S6L	6	100			-
Total				200	0	0	0%

VAV-1-2-11/208

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1211-1	212	SG	8X8	40			-
1211-2	208A	S8L	8	120			-
1211-3	208	S8L	8	140			-
1211-4	208	S8L	8	140			-
Total				440	0	0	0%

VAV-1-2-13/226

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1213-1	226	SG	10	320			-
1213-2	226	SG	10	320			-
1213-3	226	SG	10	320			-
1213-4	226	SG	10	320			-
Total				1280	0	0	0%

VAV-1-2-14/225

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1214-1	225	SG	10	380			-
1214-2	225	SG	10	380			-
1214-3	225	SG	10	380			-
1214-4	225	SG	10	380			-
Total				1520	0	0	0%

VAV-1-2-15/224

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1215-1	224	SG	10	370			-
1215-2	224	SG	10	370			-
1215-3	224	SG	10	370			-
1215-4	224	SG	10	370			-
Total				1480	0	0	0%

VAV-1-2-16/211

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1216-1	223	SG	8	230			-
1216-2	223	SG	8	230			-
1216-3	223	SG	8	230			-
1216-4	223	SG	8	230			-
Total				920	0	0	0%

VAV-1-2-17/209

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1217-1	210	S10L	10	240			-
1217-2	211	S8L	8	210			-
1217-3	211	S8L	8	210			-
1217-4	211	S8L	8	210			-
1217-5	211	S8L	8	210			-
Total				1080	0	0	0%

VAV-1-2-18/206

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1218-1	209	S10L	10	270			-
1218-2	209	S10L	10	270			-
1218-3	209	S10L	10	270			-
1218-4	209	S10L	10	270			-
Total				1080	0	0	0%

VAV-1-2-19/205

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design	AK	CFM(2)
1219-1	206	S10L	10	260					-
1219-2	206	S10L	10	260					-
1219-3	206	S10L	10	260					-
1219-4	206	S10L	10	260					-
Total				1040	0	0			0

VAV-1-2-2/228

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
122-1	228	SG	8	230			-
122-2	228	SG	8	230			-
122-3	228	SG	8	230			-
122-4	228	SG	8	230			-
Total				920	0	0	0%

VAV-1-2-20/202

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1220-1	204	S10L	10	260			-
1220-2	204	S10L	10	260			-
1220-3	204	S10L	10	260			-
1220-4	204	S10L	10	260			-
1220-5	205	S10L	10	320			-
Total				1360	0	0	0%

VAV-1-2-21/203

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1221-1	203	S8L	8	220			-
1221-2	203	S8L	8	220			-
1221-3	203	S8L	8	220			-
1221-4	203	S8L	8	220			-
1221-5	202	S10L	10	320			-
Total				1200	0	0	0%

VAV-1-2-22/200

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1222-1	233	S6L	6	80			-
1222-2	200	S8L	8	210			-
1222-3	200	S8L	8	210			-
1222-4	200	S8L	8	210			-
1222-5	200	S8L	8	210			-
Total				920	0	0	0%

VAV-1-2-23/200

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1223-1	200	S8L	8	210			-
1223-2	200	S8L	8	210			-
1223-3	200	S8L	8	210			-
1223-4	200	S8L	8	210			-
Total				840	0	0	0%

VAV-1-2-24/200A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1224-1	200A	PSD-8	8	210			-
1224-2	200A	PSD-8	8	210			-
1224-3	200A	PSD-8	8	210			-
1224-4	200A	PSD-8	8	210			-
Total				840	0	0	0%

VAV-1-2-25/102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1225-1	102	PSD-8	8	250			-
1225-2	102	PSD-8	8	250			-
1225-3	102	PSD-8	8	250			-
1225-4	102	PSD-8	8	250			-
Total				1000	0	0	0%

VAV-1-2-3/229

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
123-1	229	SG	8	230			-
123-2	229	SG	8	230			-
123-3	229	SG	8	230			-
123-4	229	SG	8	230			-
Total				920	0	0	0%

VAV-1-2-4/231

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
124-1	231	SG	8	230			-
124-2	231	SG	8	230			-
124-3	231	SG	8	230			-
124-4	231	SG	8	230			-
Total				920	0	0	0%

VAV-1-2-5/232

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
125-1	232	SG	8	200			-
125-2	232	SG	8	200			-
125-3	232	SG	8	200			-
125-4	232	SG	8	200			-
Total				800	0	0	0%

VAV-1-2-6/222B

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
126-1	222B	S10L	10	280			-
126-2	221	S6L	6	60			-
126-3	222B	210L	10	280			-
126-4	222B	S10L	10	280			-
126-5	222B	S10L	10	280			-
Total				1180	0	0	0%

VAV-1-2-7/222A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
127-1	222A	S10L	10	260			-
127-2	221	S6L	6	60			-
127-3	222A	S10L	10	260			-
127-4	222A	S10L	10	260			-
127-5	222A	S10L	10	260			-
Total				1100	0	0	0%

VAV-1-2-8/222

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
128-1	222	S		215			-
128-2	222	S		215			-
128-3	222	S		215			-
128-4	222	S		215			-
128-5	222	S		215			-
128-6	222	S		215			-
Total				1290	0	0	0%

VAV-1-2-12/226

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2121-1	234	S10L	10	180			-
2121-2	207	S10L	10	180			-
Total				360	0	0	0%

FPVAV-2/101

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
FP2-1	100	PSD-10	4X13.250	400			-
FP2-2	100	PSD-10	4X13.250	400			-
FP2-3	100	PSD-10	4X13.250	400			-
FP2-4	100	PSD-10	4X13.250	400			-
FP2-5	100	PSD-10	4X13.250	400			-
Total				2000	0	0	0%

VAV-1-2-9/222

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	222	S		215			-
SGRD2	222	S		215			-
SGRD3	222	S		215			-
SGRD4	222	S		215			-
SGRD5	222	S		215			-
SGRD6	222	S		215			-
Total				1290	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-M2

AREA:185

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	MILLER-PICKING
Model Number	NA	MPI-123x126
Serial Number	-	
No. Pre-Filters / Size (1)	24X24X4 / 16	
No. Pre-Filters / Size (2)	12X24X4 / 4	
No. Pre-Filters / Size (3)	24X24X12 / 16	
No. Final Filters / Size (1)	12X24X12 / 4	
No. Final Filters / Size (2)	24X24X2 / 4	
No. Final Filters / Size (3)	24X12X2 / 4	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	MILLER-PICKING	
Model Number	MPI-123x126	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	BALDOR / 254
Horsepower / RPM	-	6@ 15.0 / 3600
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	17.50 /

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	BALDOR / 184
Horsepower / RPM	-	6@ 5.0 / 1800
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	6.70 /

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	35000	
OA CFM	17500	
Fan RPM	3061	
VFD Speed	-	
RL Voltage	460	
RL Amperage	17.50	
Motor B.H.P.	10.87	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	35000	
Fan RPM	1911	
VFD Speed	-	
RL Voltage	460	
RL Amperage	6.70	
Motor B.H.P.	4.8	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	7.00	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	2.39	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	2.98	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	0.18	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

AHU-DUAL FAN



VAV - Single Duct

AHU-M2/185

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-2-1-1	PRICE	SDV	REHEAT	7	400		345		400		
VAV-2-1-2	PRICE	SDV	REHEAT	7	480		475		480		
VAV-2-1-3	PRICE	SDV	REHEAT	8	520		490		520		
VAV-2-1-4	PRICE	SDV	REHEAT	12	1080		660		1080		
VAV-2-1-5	PRICE	SDV	REHEAT	7	400		165		400		
VAV-2-1-6	PRICE	SDV	REHEAT	24X16	3000		550		3000		
VAV-2-1-7	PRICE	SDV	REHEAT	8	560		120		560		
VAV-2-1-8	PRICE	SDV	REHEAT	10	720		370		720		
VAV-2-1-9	PRICE	SDV	REHEAT	5	200		35		200		
VAV-2-1-10	PRICE	SDV	REHEAT	16	1600		580		1600		
VAV-2-1-11	PRICE	SDV	REHEAT	4	120		45		120		
VAV-2-1-12	PRICE	SDV	REHEAT	7	400		145		400		
VAV-2-1-13	PRICE	SDV	REHEAT	7	400		150		160		
VAV-2-1-14	PRICE	SDV	REHEAT	16	1800		1500		1800		
VAV-2-1-15	PRICE	SDV	REHEAT	5	200		100		200		
VAV-2-2-1	PRICE	SDV	REHEAT	5	200		0		200		
VAV-2-2-2	PRICE	SDV	REHEAT	12	1000		870		1000		
VAV-2-2-3	PRICE	SDV	REHEAT	12	1200		895		1200		
VAV-2-2-4	PRICE	SDV	REHEAT	12	1320		895		1320		
VAV-2-2-5	PRICE	SDV	REHEAT	10	880		810		880		
VAV-2-2-6	PRICE	SDV	REHEAT	12	1320		900		1320		
VAV-2-2-7	PRICE	SDV	REHEAT	12	1040		1020		1040		
VAV-2-2-8	PRICE	SDV	REHEAT	12	1040		1020		1040		
VAV-2-2-9	PRICE	SDV	REHEAT	12	1160		905		1160		
VAV-2-2-10	PRICE	SDV	REHEAT	12	1040		895		1040		
VAV-2-2-11	PRICE	SDV	REHEAT	12	1040		895		1000		
VAV-2-2-12	PRICE	SDV	REHEAT	10	880		690		880		
VAV-2-2-13	PRICE	SDV	REHEAT	8	560		310		560		
VAV-2-2-14	PRICE	SDV	REHEAT	8	560		260		560		
VAV-2-2-15	PRICE	SDV	REHEAT	9	680		510		680		
VAV-2-2-16	PRICE	SDV	REHEAT	9	680		510		680		
VAV-2-2-17	PRICE	SDV	REHEAT	5	240		130		240		
VAV-4-1-1	PRICE	SDV	REHEAT	5	160		160		160		

Diffuser Supply (GRD)

VAV-2-1-1/185

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
211-1	185	S8L	8	200			-
211-2	185	S8L	8	200			-
Total				400	0	0	0%

VAV-2-1-10/HALL

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2110-1	HALL	S8L	8	200			-
2110-2	HALL	S8L	8	200			-
2110-3	HALL	S8L	8	200			-
2110-4	HALL	S8L	8	200			-
2110-5	HALL	S8L	8	200			-
2110-6	HALL	S8L	8	200			-
2110-7	HALL	S8L	8	200			-
2110-8	HALL	S8L	8	200			-
Total				1600	0	0	0%

VAV-2-1-11/035

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2111-1	034	S8L	8	120			-
Total				120	0	0	0%

VAV-2-1-12/035

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2112-1	035	S8L	8	200			-
2112-2	035	S8L	8	200			-
Total				400	0	0	0%

VAV-2-1-13/005

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2113-1	185	S8L	8	160			-
2113-2	185	SG	6X6	80			-
2113-3	185	S8L	8	160			-
Total				400	0	0	0%

VAV-2-1-14/005

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2114-1	005	S8L	8	200			-
2114-2	005	S8L	8	200			-
2114-3	005	S8L	8	200			-
2114-4	005	S8L	8	200			-
2114-5	005	S8L	8	200			-
2114-6	005	S8L	8	200			-
2114-7	005	S8L	8	200			-
2114-8	005	S8L	8	200			-
2114-9	005	S8L	8	200			-
Total				1800	0	0	0%

VAV-2-1-15/RM EAST OF 005

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2115-1	RM EAST OF 005	S6L	6	100			-
2115-2	RM EAST OF 005	S6L	6	100			-
Total				200	0	0	0%

VAV-2-1-2/187

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
212-1	186	S8L	8	120			-
212-2	186	S8L	8	120			-
212-3	186	S8L	8	120			-
212-4	186	S8L	8	120			-
Total				480	0	0	0%

VAV-2-1-3/187

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
213-1	187A	S8L	8	120			-
213-2	187	S8L	8	200			-
213-3	187	S8L	8	200			-
Total				520	0	0	0%

VAV-2-1-4/188

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
214-1	188	S8L	8	160			-
214-2	188	S8L	8	160			-
214-3	189	S8L	8	200			-
214-4	189	S8L	8	200			-
214-5	188	S8L	8	160			-
214-6	188A	S8L	8	40			-
214-7	188	S8L	8	160			-
Total				1080	0	0	0%

VAV-2-1-5/185

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
215-1	190B	S8L	8	160			-
215-2	185	S8L	8	60			-
215-3	190	S8L	8	60			-
215-4	190	S8L	8	60			-
215-5	185	S8L	8	60			-
Total				400	0	0	0%

VAV-2-1-6/001

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
216-1	001	LD		300			-
216-2	001	LD		300			-
216-3	001	LD		300			-
216-4	001	S		200			-
216-5	001	LD		300			-
216-6	001	S		200			-
216-7	001	LD		300			-
216-8	001	S		200			-
216-9	001	LD		300			-
216-10	001	LD		300			-
216-11	001	LD		300			-
Total				3000	0	0	0%

VAV-2-1-7/020

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
217-1	020	S10L	10	280			-
217-2	020	S10L	10	280			-
Total				560	0	0	0%

VAV-2-1-8/060

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
218-1	059	S6L	6	120			-
218-2	058	S8L	8	200			-
218-3	060	S8L	8	200			-
218-4	060	S8L	8	200			-
Total				720	0	0	0%

VAV-2-1-9/061

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
219-1	061	S8L	8	200			-
Total				200	0	0	0%

VAV-2-2-1/201

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
221-1	238	S6L	6	120			-
221-2	237	8L		80			-
Total				200	0	0	0%

VAV-2-2-10/246

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2210-1	246	S10L	10	250			-
2210-2	246	S10L	10	250			-
2210-3	246	S10L	10	250			-
2210-4	246	S10L	10	250			-
Total				1000	0	0	0%

VAV-2-2-11/235

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2211-1	245	SG	10	260			-
2211-2	245	SG	10	260			-
2211-3	245	SG	10	260			-
2211-4	245	SG	10	260			-
Total				1040	0	0	0%

VAV-2-2-12/243

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2212-1	235	S8L	8	220			-
2212-2	235	S8L	8	220			-
2212-3	235	S8L	8	220			-
2212-4	235	S8L	8	220			-
Total				880	0	0	0%

VAV-2-2-13/200

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2213-1	200	S10L	10	250			-
2213-2	200	S10L	10	250			-
2213-3	243	S6L	6	60			-
Total				560	0	0	0%

VAV-2-2-14/244

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2214-1	200	S10L	10	250			-
2214-2	200	S10L	10	250			-
2214-3	243	S6L	6	60			-
Total				560	0	0	0%

VAV-2-2-15/244

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2215-1	244	S		170			-
2215-2	244	S		170			-
2215-3	244	S		170			-
2215-4	244	S		170			-
Total				680	0	0	0%

VAV-2-2-16/244A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2216-1	244	S		170			-
2216-2	244	S		170			-
2216-3	244	S		170			-
2216-4	244	S		170			-
Total				680	0	0	0%

VAV-2-2-17/244B

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2217-1	244B	S8L	8	120			-
2217-2	244A	S8L	8	120			-
Total				240	0	0	0%

VAV-2-2-2/201

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
222-1	201	S10L	10	250			-
222-2	201	S10L	10	250			-
222-3	201	S10L	10	250			-
222-4	201	S10L	10	250			-
Total				1000	0	0	0%

VAV-2-2-3/253

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
223-1	254			300			-
223-2	254			300			-
223-3	254			300			-
223-4	254			300			-
Total				1200	0	0	0%

VAV-2-2-4/253

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
224-1	253	S10L	10	330			-
224-2	253	S10L	10	330			-
224-3	253	S10L	10	330			-
224-4	253	S10L	10	330			-
Total				1320	0	0	0%

VAV-2-2-5/252

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
225-1	252	S8L	8	220			-
225-2	252	S8L	8	220			-
225-3	252	S8L	8	220			-
225-4	252	S8L	8	220			-
Total				880	0	0	0%

VAV-2-2-6/250

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
226-1	251	S10L	10	330			-
226-3	251	S10L	10	330			-
226-4	251	S10L	10	330			-
SGRD2	251	S10L	10	330			-
Total				1320	0	0	0%

VAV-2-2-8/248

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
228-1	249	S10L	10	260			-
228-2	249	S10L	10	260			-
228-3	249	S10L	10	260			-
228-4	249	S10L	10	260			-
Total				1040	0	0	0%

VAV-2-2-9/248A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
229-1	248A	S6L	6	40			-
229-2	248	S10L	10	280			-
229-3	248	S10L	10	280			-
229-4	248	S10L	10	280			-
229-5	248	S10L	10	280			-
Total				1160	0	0	0%

VAV-2-2-7/249

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	250	S10L	10	260			-
SGRD2	250	S10L	10	260			-
SGRD3	250	S10L	10	260			-
SGRD4	250	S10L	10	260			-
Total				1040	0	0	0%

VAV-4-1-1/185

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	185	S6L	6	80			-
SGRD2	185	S6L	6	80			-
Total				160	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-M3

AREA:108

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	MILLER-PICKING
Model Number	NA	MPO-123x108
Serial Number	-	
No. Pre-Filters / Size (1)	24X24X4 / 16	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	24X24X12 / 16	
No. Final Filters / Size (1)	-	
No. Final Filters / Size (2)	20X20X2 / 4	
No. Final Filters / Size (3)	24X20X2 / 6	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	BALDOR / 254
Horsepower / RPM	-	6@ 15.0 / 3600
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	17.50 /

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	30000	
OA CFM	15000	
Fan RPM	2905	
VFD Speed	-	
RL Voltage	460	
RL Amperage	17.50	
Motor B.H.P.	9.26	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	7.00	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	2.45	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	MILLER-PICKING	
Model Number	MPO-123x108	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	BALDOR / 184
Horsepower / RPM	-	6@ 5.0 / 1800
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	6.70 /

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	30000	
Fan RPM	2620	
VFD Speed	-	
RL Voltage	460	
RL Amperage	6.70	
Motor B.H.P.	4.7	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	3.00	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	0.22	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

AHU-DUAL FAN



VAV - Single Duct

AHU-M3/108

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-3-1-1	PRICE	SDV	REHEAT	24X16	8340		4305		8340		
VAV-3-1-2	PRICE	SDV	REHEAT	24X16	8340		4305		8340		
VAV-3-1-3	PRICE	SDV	REHEAT	7	440		440		440		
VAV-3-1-4	PRICE	SDV	REHEAT	7	480		480		480		
VAV-3-1-5	PRICE	SDV	REHEAT	6	280		85		280		
VAV-3-1-6	PRICE	SDV	REHEAT	10	720		200		720		
VAV-3-1-7	PRICE	SDV	REHEAT	10	800		0		800		
VAV-3-1-8	PRICE	SDV	REHEAT	4	120		30		120		
VAV-3-1-9	PRICE	SDV	REHEAT	4	120		85		120		
VAV-3-1-10	PRICE	SDV	REHEAT	7	440		85		440		
VAV-3-1-11	PRICE	SDV	REHEAT		480		0		480		
VAV-3-1-12	PRICE	SDV	REHEAT	5	160				160		
VAV-3-1-13	PRICE	SDV	REHEAT	24X16	3780		3110		3780		
VAV-3-1-14	PRICE	SDV	REHEAT	24X16	4180		3295		4180		
VAV-3-1-15	PRICE	SDV	REHEAT	7	400		184		400		
VAV-3-1-10B1	PRICE	SDV	REHEAT	8	560		365		560		

VAV-Fan Powered Box

AHU-M3/108

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPVAV-1	PRICE	FDC			6	320		65				

Diffuser Supply (GRD)

VAV-3-1-9/123

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1-9-1	EX120	S6L	6	60			-
3-1-9-2	EX120	S6L	6	60			-
Total				120	0	0	0%

VAV-3-1-1/EX100

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
311-1	EX100	EXISTING	EXISTING	755			-
311-2	EX100	EXISTING	EXISTING	755			-
311-3	EX100	EXISTING	EXISTING	755			-
311-4	EX100	EXISTING	EXISTING	755			-
311-5	EX100	EXISTING	EXISTING	755			-
311-6	EX100	EXISTING	EXISTING	755			-
311-7	EX100	EXISTING	EXISTING	755			-
311-8	EX100	EXISTING	EXISTING	755			-
311-9	EX100	EXISTING	EXISTING	755			-
311-10	EX100	EXISTING	EXISTING	755			-
311-11	EX100	EXISTING	EXISTING	790			-
Total				8340	0	0	0%

VAV-3-1-10/124

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3110-1	112A	S6L	6	40			-
3110-2	124	S6L	6	150			-
3110-3	124	S6L	6	150			-
3110-4	124A	S6L	6	100			-
Total				440	0	0	0%

VAV-3-1-10B1/123

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3110B-1	123	SG	12X6	140			-
3110B-2	123	SG	12X6	140			-
3110B-3	123	SG	12X6	140			-
3110B-4	123	SG	12X6	140			-
Total				560	0	0	0%

VAV-3-1-11/111

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3111-1	111	S8L	8	120			-
3111-2	111	S8L	8	120			-
3111-3	111	S8L	8	120			-
3111-4	111	S8L	8	120			-
Total				480	0	0	0%

VAV-3-1-12/113

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3112-1	113	S8L	8	160			-
Total				160	0	0	0%

VAV-3-1-13/109

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3113-1	109	S		210			-
3113-2	109	S		210			-
3113-3	109	S		210			-
3113-4	109	S		210			-
3113-5	109	S		210			-
3113-6	109	S		210			-
3113-7	109	S		210			-
3113-8	109	S		210			-
3113-9	109	S		210			-
3113-10	109	S		210			-
3113-11	109	S		210			-
3113-12	109	S		210			-
3113-13	109	S		210			-
3113-14	109	S		210			-
3113-15	109	S		210			-
3113-16	109	S		210			-
3113-17	109	S		210			-
3113-18	1091	S		210			-
Total				3780	0	0	0%

VAV-3-1-15/105

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3115-1	105	S8L	8	200			-
3115-2	109	S8L	8	200			-
Total				400	0	0	0%

VAV-3-1-2/119

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
312-1	EX100	EXISTING	EXISTING	755			-
312-2	EX100	EXISTING	EXISTING	755			-
312-3	EX100	EXISTING	EXISTING	755			-
312-4	EX100	EXISTING	EXISTING	755			-
312-5	EX100	EXISTING	EXISTING	755			-
312-6	EX100	EXISTING	EXISTING	755			-
312-7	EX100	EXISTING	EXISTING	755			-
312-8	EX100	EXISTING	EXISTING	755			-
312-9	EX100	EXISTING	EXISTING	755			-
312-10	EX100	EXISTING	EXISTING	755			-
312-11	EX100	EXISTING	EXISTING	790			-
Total				8340	0	0	0%

VAV-3-1-5/EX111

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
315-1	120	S8L	8	160			-
315-2	119	S8L	8	120			-
Total				280	0	0	0%

VAV-3-1-6/117

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
316-1	EX120	S10L	10	300			-
316-2	117	S10L	10	300			-
316-3	EX111	S8L	8	120			-
Total				720	0	0	0%

VAV-3-1-7/114

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
317-1	112B	S6L	6	80			-
317-2	112	S8L	8	200			-
317-3	112	S8L	8	200			-
317-4	112	S8L	8	200			-
317-5	112	S8L	8	200			-
Total				880	0	0	0%

VAV-3-1-8/114

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
318-1	114	S6L	6	120			-
Total				120	0	0	0%

FPVAV-1/108

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
FP1-1	108	S8L	8	320			-
Total				320	0	0	0%

VAV-3-1-14/109

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	109A	S6L	6	100			-
SGRD2	109A	S6L	6	100			-
SGRD3	109	S		210			-
SGRD4	109	S		210			-
SGRD5	109	S		210			-
SGRD6	109A	S6L	6	100			-
SGRD7	109	S		210			-
SGRD8	109	S		210			-
SGRD9	109	S		210			-
SGRD10	109	S		210			-
SGRD11	109	S		210			-
SGRD12	109	S		210			-
SGRD13	109	S		210			-
SGRD14	109A	S6L	6	100			-
SGRD15	109	S		210			-
SGRD16	109	S		210			-
SGRD17	109	S		210			-
SGRD18	109	S		210			-
SGRD19	109	S		210			-
SGRD20	109	S		210			-
SGRD21	109	S		210			-
SGRD22	109	S		210			-
Total				4180	0	0	0%

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-M4

AREA: DISTRICT & MS OFFICCE

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	MILLER-PICKING
Model Number	NA	MPI-71x72
Serial Number	-	
No. Pre-Filters / Size (1)	24X24X4 / 4	
No. Pre-Filters / Size (2)	12X24X4 / 2	
No. Pre-Filters / Size (3)	24X24X12 / 4	
No. Final Filters / Size (1)	12X24X12 / 2	
No. Final Filters / Size (2)	24X24X2 / 2	
No. Final Filters / Size (3)	12X24X2 / 1	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	BALDOR / 215
Horsepower / RPM	-	2@ 10.0 / 3600
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	11.60

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	10000	
OA CFM	4000	
Fan RPM	3725	
VFD Speed	-	
RL Voltage	460	
RL Amperage	11.60	
Motor B.H.P.	9.27	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	7.00	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	2.01	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	MILLER-PICKING	
Model Number	MPI-71x72	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	BALDOR / 213
Horsepower / RPM	-	2@ 7.5 / 3600
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	9.00

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	10000	
Fan RPM	3441	
VFD Speed	-	
RL Voltage	460	
RL Amperage	9.00	
Motor B.H.P.	5.2	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	3.00	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	0.29	

National TAB

Project: Indian Hill Middle School (Cincinnati, OH)

AHU-DUAL FAN



VAV - Single Duct

AHU-M4/DISTRICT & MS OFFICCE

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-4-1-2	PRICE	SDV	REHEAT	7	400		315		400		
VAV-4-1-3	PRICE	SDV	REHEAT	5	160		95		160		
VAV-4-1-4	PRICE	SDV	REHEAT	5	240		140		240		
VAV-4-1-5	PRICE	SDV	REHEAT	4	120		100		120		
VAV-4-1-6	PRICE	SDV	REHEAT	6	320		130		320		
VAV-4-1-7	PRICE	SDV	REHEAT	6	280		90		280		
VAV-4-1-8	PRICE	SDV	REHEAT	6	280		90		280		
VAV-4-1-9	PRICE	SDV	REHEAT	8	580		280		580		
VAV-4-1-10	PRICE	SDV	REHEAT	6	280		130		280		
VAV-4-1-11	PRICE	SDV	REHEAT	4	120		50		120		
VAV-4-1-12	PRICE	SDV	REHEAT	4	120		50		120		
VAV-4-1-13	PRICE	SDV	REHEAT	5	160		55		160		
VAV-4-1-14	PRICE	SDV	REHEAT	5	160		55		160		
VAV-4-1-15	PRICE	SDV	REHEAT	5	200	202	40	42	200	209	2.16
VAV-4-1-16	PRICE	SDV	REHEAT	5	240	245	100	105	240	251	1.536
VAV-4-1-17	PRICE	SDV	REHEAT	8	520		145		520		
VAV-4-1-18	PRICE	SDV	REHEAT	7	440		290		440		
VAV-4-1-19	PRICE	SDV	REHEAT	5	120		50		120		
VAV-4-1-20	PRICE	SDV	REHEAT	4	80		40		80		
VAV-4-1-21	PRICE	SDV	REHEAT	5	240		40		240		
VAV-4-1-22	PRICE	SDV	REHEAT	5	240		40		240		
VAV-4-1-23	PRICE	SDV	REHEAT	5	240		40		240		
VAV-4-1-24	PRICE	SDV	REHEAT	5	240		40		240		
VAV-4-1-25	PRICE	SDV	REHEAT	5	240		40		240		
VAV-4-1-26	PRICE	SDV	REHEAT	6	280		50		280		
VAV-4-1-27	PRICE	SDV	REHEAT	5	200		40		200		
VAV-4-1-28	PRICE	SDV	REHEAT	10	760	730	235	244	760	749	1.94
VAV-4-1-29	PRICE	SDV	REHEAT	6	280	281	200	205	280	277	2.83
VAV-4-1-30	PRICE	SDV	REHEAT	4	120	125	95	99	120	109	0.79
VAV-4-1-31	PRICE	SDV	REHEAT	4	40	42	40	41	40	42	0.656
VAV-4-1-32	PRICE	SDV	REHEAT	4	40		40		40		
VAV-4-1-33	PRICE	SDV	REHEAT	4	40		40		40		
VAV-4-1-34	PRICE	SDV	REHEAT	12	1000		765		1000		
VAV-4-1-35	PRICE	SDV	REHEAT	10	840		85		840		
VAV-4-1-36	PRICE	SDV	REHEAT	5	200		170		200		
VAV-4-1-37	PRICE	SDV	REHEAT	6	280		130		280		
VAV-4-1-38	PRICE	SDV	REHEAT	4	80		40		80		

Diffuser Supply (GRD)

VAV-4-1-10/170

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4110-1	170	S8L	8	140			-
4110-2	170	S8L	8	140			-
Total				280	0	0	0%

VAV-4-1-11/170

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4111-1	170	S8L	8	120			-
Total				120	0	0	0%

VAV-4-1-12/177

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4112-1	177	S8L	8	120			-
Total				120	0	0	0%

VAV-4-1-13/178

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4113-1	178	S8L	8	160			-
Total				160	0	0	0%

VAV-4-1-14/179

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4114-1	179	S8L	8	160			-
Total				160	0	0	0%

VAV-4-1-15/197

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4115-1	DO-18	S6L	6	40	66	42	105.0
4115-2	DO-17	S6L	6	40	52	38	95.0
4115-3	DO-24	S6L	6	40	41	43	107.5
4115-4	197	S6L	6	80	45	77	96.3
Total				200	204	200	100%

VAV-4-1-16/DO-23

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4116-1	DO-23	S10L	10	240	285	245	102.1
Total				240	285	245	102.08%

VAV-4-1-17/DO-16

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4117-1	DO-16	S8L	8	130			-
4117-2	DO-16	S8L	8	130			-
4117-3	DO-16	S8L	8	130			-
4117-4	DO-16	S8L	8	130			-
Total				520	0	0	0%

VAV-4-1-18/DO-5

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4118-1	DO-15	S8L	8	180			-
4118-2	DO-15	S8L	8	180			-
4118-3	DO-5	S6L	6	40			-
4118-4	DO-5	S6L	6	40			-
Total				440	0	0	0%

VAV-4-1-19/DO-5

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4119-1	DO-14	S6L	6	60			-
4119-2	DO-5	S6L	6	60			-
Total				120	0	0	0%

VAV-4-1-2/162B

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
412-1	161	S8L	8	200			-
412-2	161	S8L	8	200			-
Total				400	0	0	0%

VAV-4-1-20/DO-13

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4120-1	DO-13	S6L	6	80			-
Total				80	0	0	0%

VAV-4-1-21/DO-12

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4121-1	DO-12	S10L	10	240			-
Total				240	0	0	0%

VAV-4-1-22/DO-11

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4122-1	DO-11	S10L	10	240			-
Total				240	0	0	0%

VAV-4-1-23/DO-10

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4123-1	DO-10	S10L	10	240			-
Total				240	0	0	0%

VAV-4-1-24/DO-09

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4124-1	DO-9	S10L	10	240			-
Total				240	0	0	0%

VAV-4-1-25/DO-8

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4125-1	DO-8	S10L	10	240			-
Total				240	0	0	0%

VAV-4-1-26/DO-7

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4126-1	DO-7	S10L	10	280			-
Total				280	0	0	0%

VAV-4-1-27/DO-6

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4127-1	DO-6	S8L	8	200			-
Total				200	0	0	0%

VAV-4-1-28/DO-2

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4128-1	DO-4	S8L	8	160	155	148	92.5
4128-2	DO-2	S8L	8	200	153	185	92.5
4128-3	DO-1	S8L	8	200	177	205	102.5
4128-4	DO-2	S8L	8	200	182	192	96.0
Total				760	667	730	96.05%

VAV-4-1-29/DO-3

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4129-1	DO-3	S8L	8	140	38	138	98.6
4129-2	DO-3	S8L	8	140	200	143	102.1
Total				280	238	281	100.36%

VAV-4-1-3/162

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
413-1	162	S6L	6	80			-
413-2	162A	S6L	6	40			-
413-3	162B	S6L	6	40			-
Total				160	0	0	0%

VAV-4-1-30/DO-28

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4130-1	DO-25	S8L	8	120	88	125	104.2
Total				120	88	125	104.17%

VAV-4-1-31/DO-27

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4131-1	DO-26	S6L	6	40			-
Total				40	0	0	0%

VAV-4-1-32/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4132-1	DO-27	S6L	6	40			-
Total				40	0	0	0%

VAV-4-1-33/DO-28

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4133-1	DO-28	S6L	6	40			-
Total				40	0	0	0%

VAV-4-1-34/DO-29

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4134-1	DO-29	S10L	10	250			-
4134-2	DO-29	S10L	10	250			-
4134-3	DO-29	S10L	10	250			-
4134-4	DO-29	S10L	10	250			-
Total				1000	0	0	0%

VAV-4-1-35/DO-34

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4135-1	DO-30	S10L	10	320			-
4135-2	DO-30	S10L	10	320			-
4135-3	DO-34	S8L	8	200			-
Total				840	0	0	0%

VAV-4-1-36/DP-37

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4136-1	DO-33	S8L	8	200			-
Total				200	0	0	0%

VAV-4-1-37/DO-36

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4137-1	DO-35	S6L	6	100			-
4137-2	DO-35	S6L	6	100			-
4137-3	DO-37	S6L	6	80			-
Total				280	0	0	0%

VAV-4-1-38/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4138-1	DO-36	S6L	6	80			-
Total				80	0	0	0%

VAV-4-1-4/160

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
414-1	160	SG	12X6	120			-
414-2	160	SG	12X6	120			-
Total				240	0	0	0%

VAV-4-1-6/171

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
416-1	171	S10L	10	320			-
Total				320	0	0	0%

VAV-4-1-7/172

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
417-1	172	S10L	10	280			-
Total				280	0	0	0%

VAV-4-1-8/163 CORR

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
418-1	173	S10L	10	280			-
Total				280	0	0	0%

VAV-4-1-9/169

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
419-1	163 CORR	S6L	6	150			-
419-2	169	S8L	8	160			-
419-3	168	S6L	6	120			-
419-4	163 CORR	S6L	6	150			-
Total				580	0	0	0%

VAV-4-1-5/160A

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	160A	S8D	8	120			-
Total				120	0	0	0%

Asset	Notes	Date	Written By
VAV-4-1-27	Will not connect	11/17/2023	Nick Payne