

Report By:

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



Report: BLD-1TAB RPT 111323
Function: Test, Adjust, & Balance
Date: 11/12/2023

PROJECT

Bennett Point Building 1 (Cincinnati, OH)

600 E 12th Street

Cincinnati, OH 45202

Client

Urban Sites Construction
1209 Syacmore St.

Cincinnati, OH 45202

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Project: Bennett Point Building 1 (Cincinnati, OH)

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Project: Bennett Point Building 1 (Cincinnati, OH)

System/Unit: Heat Pump



Asset: AHU2-1

AREA:1ST FLOOR

Unit Data		
	Design	Actual
Unit MFG	Trane	Trane
Model Num	NTX	NTXAMT12A112AA
Serial Num	-	28G0157332P814
Type	HEAT PUMP	HEAT PUMP
Configuration	UPFLOW	UPFLOW
Num Filters Size 1	-	1
Filter Size 1	-	16"x20"x1"

Test Data		
	Design	Actual
SA CFM	400	406
RL Voltage	-	208.8
RL Amperage	-	0.9
RA CFM	320	318
OA CFM	80	88

Motor Data		
	Design	Actual
Phase	1	1
Voltage	208	208
Amperage	-	2.4

Performance Data		
	Design	Actual
Suction ESP	-	-0.05"
Discharge ESP	-	0.40"
Total ESP	0.30"	0.45"

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Notes:

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Recommend adding grille to hole in return located in mechanical room.

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Project: Bennett Point Building 1 (Cincinnati, OH)

Heat Pump



Diffuser Supply (GRD)

AHU2-1/1ST FLOOR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU1-SGRD1	Cooridoor	4way	6"	200	1	257		257	128.5
AHU1-SGRD2	Cooridoor	4way	4"	200	1	149		149	74.5
Total				400		406	0	406	101.5%

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Project: Bennett Point Building 1 (Cincinnati, OH)

System/Unit: Heat Pump



Asset: AHU2-2

AREA:2ND Floor

Unit Data		
	Design	Actual
Unit MFG	Trane	Trane
Model Num	NTX	NTXAMT12A112AA
Serial Num	-	23G0109432P814
Type	HEAT PUMP	HEAT PUMP
Configuration	UPFLOW	UPFLOW
Num Filters Size 1	-	1
Filter Size 1	-	16"x20"x1"

Motor Data		
	Design	Actual
Phase	1	1
Voltage	208	208
Amperage	-	2.4

Test Data		
	Design	Actual
SA CFM	400	450
RL Voltage	-	212.2
RL Amperage	-	0.8
RA CFM	320	413
OA CFM	80	37

Performance Data		
	Design	Actual
Suction ESP	-	-0.04"
Discharge ESP	-	0.54"
Total ESP	0.30"	0.58"

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Project: Bennett Point Building 1 (Cincinnati, OH)

Heat Pump



Diffuser Supply (GRD)

AHU2-2/2ND Floor

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU2-SGRD1	COORIDOOR	4WAY		100	1	34	76	74	74.0
AHU2-SGRD2	COORIDOOR	4WAY		100	1	64	143	147	147.0
AHU2-SGRD3	2ND FLR ENTRY	REGISTER		200	1	128	267	229	114.5
Total				400		226	486	450	112.5%

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Project: Bennett Point Building 1 (Cincinnati, OH)



System/Unit: Heat Pump

Asset: AHU2-3

AREA:3RD FLOOR

Unit Data		
	Design	Actual
Unit MFG	Trane	Trane
Model Num	NTX	NTXAMT12A112AA
Serial Num	-	2XG0163232P814
Type	HEAT PUMP	HEAT PUMP
Configuration	UPFLOW	UPFLOW
Num Filters Size 1	-	1
Filter Size 1	-	16"x20"x1"

Motor Data		
	Design	Actual
Phase	1	1
Voltage	208	208
Amperage	-	2.4

Test Data		
	Design	Actual
SA CFM	400	377
RL Voltage	-	210.1
RL Amperage	-	0.9
RA CFM	320	337
OA CFM	80	40

Performance Data		
	Design	Actual
Suction ESP	-	-0.02"
Discharge ESP	-	0.54"
Total ESP	0.30"	0.56"

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Project: Bennett Point Building 1 (Cincinnati, OH)

Heat Pump



Diffuser Supply (GRD)

AHU2-3/3RD FLOOR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU2-3-SGRD1	COORIDOOR	4WAY	4"	100	1	87	84	86	86.0
AHU2-3-SGRD2	COORIDOOR	4WAY	4"	100	1	31	30	39	39.0
AHU2-3-SGRD3	ENTRY-3RD FLR	REGISTER	5"x11.5"	200	1	263	205	252	126.0
Total				400		381	319	377	94.25%

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Project: Bennett Point Building 1 (Cincinnati, OH)



System/Unit: Heat Pump

Asset: AHU2-4

AREA:4TH FLOOR

Unit Data		
	Design	Actual
Unit MFG	Trane	Trane
Model Num	NTX	NTXAMT12A112AA
Serial Num	-	28G0136632P814
Type	HEAT PUMP	HEAT PUMP
Configuration	UPFLOW	UPFLOW
Num Filters Size 1	-	1
Filter Size 1	-	16"x20"x1"

Motor Data		
	Design	Actual
Phase	1	1
Voltage	208	208
Amperage	-	2.4

Test Data		
	Design	Actual
SA CFM	400	449
RL Voltage	-	210.1
RL Amperage	-	0.8
RA CFM	320	412
OA CFM	80	37

Performance Data		
	Design	Actual
Suction ESP	-	-0.02"
Discharge ESP	-	0.56"
Total ESP	0.30"	0.58"

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Project: Bennett Point Building 1 (Cincinnati, OH)

Heat Pump



Diffuser Supply (GRD)

AHU2-4/4TH FLOOR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU2-4-SGRD1	COORIDOOR	4WAY	4"	100	1	71	71	71	71.0
AHU2-4-SGRD2	COORIDOOR	4WAY	4"	100	1	0	116	116	116.0
AHU2-4-SGRD3	ENTRY 4TH FLR	REGISTER	11"x5.5"	200	1	262	262	262	131.0
Total				400		333	449	449	112.25%