

Report By:

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

NATIONAL

TAB

Comfort. Under control.

Report: DOAS AIRFLOW
Function: Test, Adjust, & Balance
Date: 10/21/2022

PROJECT
City BBQ (Fairfield)

6755 Dixie Highway

Fairfield, OH 45014

Client

F.G. Schaefer Co.
2145 Florence Ave

Cincinnati, OH 45206

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Project: City BBQ (Fairfield)

System/Unit: AHU/RTU

Asset: AHU1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE AIRE	CAPTIVE AIRE
Serial Num	-	5239384
Model Num	NA	CASRTU3-I.500-20T-DOAS
Configuration	-	VERTICAL
Num PreFilter 1	-	4 (MERV 13)
PreFilter Size 1	-	20X25X2
Num PreFilter 2	-	4 (MERV 8)
PreFilter Size 2	-	20X25X2
Num Final Filter 1	-	12
Final Filter Size 1	-	20x20x2

Motor Data		
	Design	Actual
Motor MFG	-	ODP MOTOR
Horsepower	-	5.0
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	15.0
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	3700	3891
SF RPM	-	DD
RA CFM	-	231
OA CFM	-	3660
RL Voltage	-	180 V RL
RL Amperage	-	10.2
VFD Max SetPt	-	45 HZ
SF Motor Freq(HZ)	-	60
SF System SetPt	-	45 HZ
OA Damper Position	-	9.5V

Performance Data		
	Design	Actual

Completed By: Austin McFall

Notes:



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Diffuser Supply (GRD)

3AHU1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU1-SGRD1	OFFICE	DIFFUSER	8"	150	1	190		209	139.3
AHU1-SGRD2	PREP	DIFFUSER	10"	250	1	281		309	123.6
AHU1-SGRD3	PREP	DIFFUSER	10"	250	1	237		261	104.4
AHU1-SGRD4	PREP	DIFFUSER	10"	250	1	217		239	95.6
AHU1-SGRD5	PREP	DIFFUSER	10"	250	1	273		275	110.0
AHU1-SGRD6	DISH	DIFFUSER	10"	300	1	196		216	72.0
AHU1-SGRD7	KITCHEN	DIFFUSER	10"	250	1	341		375	150.0
AHU1-SGRD8	KITCHEN	DIFFUSER	10"	250	1	238		262	104.8
AHU1-SGRD9	KITCHEN	DIFFUSER	10"	250	1	231		254	101.6
AHU1-SGRD10	KITCHEN	DIFFUSER	10"	250	1	272		299	119.6
AHU1-SGRD11	DRIVE THRU	DIFFUSER	10"	250	1	258		284	113.6
AHU1-SGRD12	EXPO	SLOT DIFFUSER	8"	250	1	155		171	68.4
AHU1-SGRD13	EXPO	SLOT DIFFUSER	8"	250	1	170		187	74.8
AHU1-SGRD14	EXPO	SLOT DIFFUSER	8"	250	1	159		275	110.0
AHU1-SGRD15	EXPO	SLOT DIFFUSER	8"	250	1	131		275	110.0