

Report By:

National TAB



Report: Assets

Function: Test, Adjust, & Balance

Date: 12/10/2025

Completed By: National TAB

PROJECT

12-08-25 Freddys - Ada, OK

1000 Lonnie Abbott Blvd

Ada, OK 74820

Client

KT Ventures

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: AHU/RTU



Asset: DOAS2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	
Model Num	CASRTU3-I.200-15-15T	CASRTU3-I.200-15-15T
Type	DOAS	
Configuration	VERTICAL	
Num OA Filters 1	-	4
OA Filter Size 1	-	16x25x2
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2
Num Final Filter 2	-	4
Final Filter Size 2	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2	
Motor Rpm	-	
Phase	3	
Rated Voltage	208	
Rated Amperage	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	
Belt Alignment	

Test Data		
	Design	Actual
SF CFM	2300	2343
SF RPM	-	
RA CFM	0	
OA CFM	2300	2343
RL Voltage	-	185/185/186
RL Amperage	-	5.1/5.1/5.2
SF Rotation	-	CCW
SF System SetPt	-	57.8
RA Damper Position	-	0%
Min OA Damper Position	-	100%
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.500"	
Fan Total SP	-	

General	
	Actual
Fan Rotation Correct	
Unit Filters Clean	
Condensate Drain Installed	

Notes:

- Final filter 1 merv 8
- Final filter 2 merv 13

Written By: Cody Collett on 12/09/2025

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 Project:12-08-25 Freddys - Ada, OK
AHU/RTU



Diffuser Supply (GRD)

DOAS2/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	BACK KITCHEN	SD2	10"	270	1	372	333	256	94.8
SGRD2	KITCHEN	SD2	10"	270	1	410	381	251	93.0
SGRD3	KITCHEN	SD2	10"	260	1	40	293	245	94.2
SGRD4	KITCHEN	SD4	8"	150	1	159	141	159	106.0
SGRD5	KITCHEN	SD2	10"	330	1	33	282	303	91.8
SGRD6	KITCHEN	SD2	10"	270	1	378	322	245	90.7
SGRD7	KITCHEN	SD3	10"	270	1	318	271	296	109.6
SGRD8	KITCHEN	SD3	10"	270	1	324	268	293	108.5
SGRD9	BOH	SD2	10"	270	1	310	267	295	109.3
Total				2360		2344	2558	2343	99.28%

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: AHU/RTU



Asset: RTU1

AREA:DINING

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	254510494L
Model Num	YSJ-150	YSK150A3S0H
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	15.5x36"
Num Final Filter 1	-	3
Final Filter Size 1	-	18x18x2
Num Final Filter 2	-	3
Final Filter Size 2	-	18x24x2

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	3	
Rated Voltage	208	
Rated Amperage	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	
Belt Alignment	

Test Data		
	Design	Actual
SF CFM	5000	
SF RPM	-	1217
RA CFM	4019	
OA CFM	981	1022
RL Voltage	-	214/214/213
RL Amperage	-	3.1/3.1/3.1
SF Rotation	-	CW
SF System SetPt	-	62.8%
RA Damper Position	-	63%
Min OA Damper Position	-	37%
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1"	
Fan Total SP	-	

General	
	Actual
Fan Rotation Correct	Yes
Unit Filters Clean	Yes
Condensate Drain Installed	Yes

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Project: 12-08-25 Freddys - Ada, OK

AHU/RTU



Diffuser Supply (GRD)

RTU1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	SD1	12"	490	1.3	179	820	537	109.6
SGRD2	DINING	SD1	12"	520	1.3	721	478	521	100.2
SGRD3	DINING	SD1	12"	520	1.3	676	495	468	90.0
SGRD4	DINING	SD1	12"	520	1.3	704	597	473	91.0
SGRD5	DINING	SD1	12"	520	1.3	382	315	504	96.9
SGRD6	VESTIBULE	SD5	8"	150	0.348	112	120	153	102.0
SGRD7	DINING	SD1	12"	520	1.3	533	491	472	90.8
SGRD8	DINING	SD1	12"	520	1.3	638	573	570	109.6
SGRD9	DINING	SD1	12"	520	1.3	616	572	469	90.2
SGRD10	DINING	SD1	12"	520	1.3	681	591	496	95.4
SGRD11	RESTROOM	SD5	6"	50	1	75	72	54	108.0
SGRD12	DINING	SD5	6"	100	1	69	67	92	92.0
SGRD13	RESTROOM	SD5	6"	50	1	108	102	47	94.0
Total				5000		5494	5293	4856	97.12%

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-A200-390	SP-A200-390
Serial Num	-	
Type	CEILING	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.08	
Motor Rpm	900	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	75	72
Fan RPM	-	
Fan Rotation	-	CW
Motor RPM	-	
System SetPt	-	Manual screw
RL Voltage	-	112
RL Amperage	-	0.18
Total ESP	0.250"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: FAN - Exhaust



Asset: EF2

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-A200-390	SP-A200-390
Serial Num	-	
Type	DOWNBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.08	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	75	74
Fan RPM	900	
Fan Rotation	-	CW
Motor RPM	-	
System SetPt	-	Manual screw
RL Voltage	-	114
RL Amperage	-	0.20
Total ESP	0.250"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: FAN - Exhaust



Asset: KEF1

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	CASRE18DD	CASRE18DD
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1	
Motor Rpm	-	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1600	1644
Fan RPM	1105	
Fan Rotation	-	CCW
Motor RPM	-	
System SetPt	-	54.7
RL Voltage	-	147/148/148
RL Amperage	-	3.0/3.0/3.1
Total ESP	1.400"	0.83"
Fan Inlet SP	-	-0.83"
Fan Discharge SP	-	ATM

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: FAN - Exhaust



Asset: KEF2

AREA:HOOD 2

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU50HFA	DU50HFA
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.500"	
Motor Rpm	-	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	775	792
Fan RPM	1532	
Fan Rotation	-	CCW
Motor RPM	-	
System SetPt	-	65%
RL Voltage	-	122
RL Amperage	-	3.2
Total ESP	1.250"	0.65"
Fan Inlet SP	-	-0.65"
Fan Discharge SP	-	ATM

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2	5424 ND-2
Job / Serial Num	-	
Type	TYPE I CANOPY	
Hood length	96"	
Hood Width	54"	

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	
Filter Size 1	16X16	
Filter Size 2	-	
Filter Qty 1	5	
Filter Qty 2	-	
Filter AK factor size 1	1.62	
Filters AK factor size 2	-	
Filter Total AK Area	8.1	
Filter1 FPM	-	188
Filter2 FPM	-	210
Filter3 FPM	-	207
Filter4 FPM	-	205
Filter5 FPM	-	205
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	203
CFM	1600	1644

Cooking Equipment	
	Actual
Item 1	
Item 2	

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Project: 12-08-25 Freddys - Ada, OK

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:HOOD 2

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2	5424 ND-2
Job / Serial Num	-	
Type	TYPE I CANOPY	
Hood length	60"	
Hood Width	54"	

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	
Filter Size 1	16X16	
Filter Size 2	-	
Filter Qty 1	3	
Filter Qty 2	-	
Filter AK factor size 1	1.62	
Filters AK factor size 2	-	
Filter Total AK Area	4.86	
Filter1 FPM	-	164
Filter2 FPM	-	166
Filter3 FPM	-	159
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	163
CFM	775	792

Cooking Equipment	
	Actual
Item 1	
Item 2	