

Report By:

National TAB



Report: Assets

Function: Test, Adjust, & Balance

Date: 11/03/2025

Completed By: National TAB

PROJECT

10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

5350 E 146TH St N.

Collinsville, OK 74021

Client

Flynn Restaurant Group
6200 Oak Tree Boulevard
Suite 250

Independence, OH 44131

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Project: 10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	7
Kitchen Hood Type I	10

National TAB

Project: 10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

System/Unit: AHU/RTU



Asset: RTU1

AREA:Dining room

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	223011012L
Model Num	YHC092F4RZA	YHC092F3RZA27E001C1B
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	15X36
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Test Data		
	Design	Actual
SF CFM	-	3238
SF RPM	-	NA
RA CFM	-	2455
OA CFM	-	783
RL Voltage	-	211/211/212
RL Amperage	-	2.2/2.3/2.3
SF Rotation	-	CW
SF System SetPt	-	45% (Marked on potentiometer)
RA Damper Position	-	60%
Min OA Damper Position	-	40%
Min OA Damper Type	-	Mechanical linkage
OA Enthalpy Setpt	-	E

Motor Data		
	Design	Actual
Motor MFG	-	EBPM PAPST
Frame	-	NL
Horsepower	-	2.75
Motor Rpm	-	NL
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	7.3

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.22"
Fan Suction SP	-	-0.49"
Fan Discharge SP	-	0.45"
Total ESP	-	0.67"
Fan Total SP	-	0.94"

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE

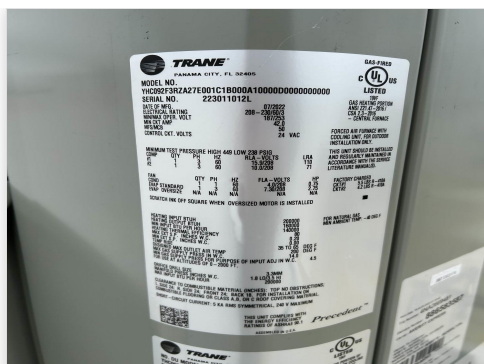
General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

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Unit Data - PHOTO LOG



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Project:10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

AHU/RTU



Diffuser Supply (GRD)

RTU1/Dining room

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	D1	8"	175	1	303	303	293	167.4
SGRD2	DINING	D1	10	300	1	248	248	228	76.0
SGRD3	DINING	D1	10"	300	1	261	261	251	83.7
SGRD4	DINING	D1	10"	300	1	277	277	264	88.0
SGRD5	DINING	D1	10"	300	1	421	421	407	135.7
SGRD6	DINING	D1	10"	300	1	274	274	250	83.3
SGRD7	DINING	D1	10"	300	1	363	363	363	121.0
SGRD8	DINING	D1	10"	300	1	393	393	372	124.0
SGRD9	DINING	D1	10"	300	1	349	349	334	111.3
SGRD10	DINING	D1	10"	175	1	224	224	214	122.3
SGRD11	RR	D1	8"	125	1	143	143	134	107.2
SGRD12	RR	D1	8"	125	1	130	130	128	102.4
Total				3000		3386	3386	3238	107.93%

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Project: 10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

System/Unit: AHU/RTU



Asset: RTU2

AREA:Kitchen

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	223011013L
Model Num	YHC092F4RZA	YHC092F3RZA27E001C
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	15x36"
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	EBM PAPST
Frame	-	NL
Horsepower	-	2.75
Motor Rpm	-	NL
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	7.3

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	-	2908
SF RPM	-	NA
RA CFM	-	2095
OA CFM	-	813
RL Voltage	-	210/211/211
RL Amperage	-	2.1/2.1/2.2
SF Rotation	-	CW
SF System SetPt	-	45% (Marked on potentiometer)
RA Damper Position	-	60%
Min OA Damper Position	-	40%
Min OA Damper Type	-	Mechanical linkage
OA Enthalpy Setpt	-	E

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.39"
Fan Suction SP	-	-0.64"
Fan Discharge SP	-	0.37"
Total ESP	-	0.76"
Fan Total SP	-	1.01"

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

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Unit Data - PHOTO LOG



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Project:10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

AHU/RTU



Diffuser Supply (GRD)

RTU2/Kitchen

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	KITCHEN	D2	10"	350	1	373	373	331	94.6
SGRD2	KITCHEN	D2	10"	350	1	341	341	298	85.1
SGRD3	KITCHEN	D2	10"	300	1	390	390	343	114.3
SGRD4	KITCHEN	D2	10"	400	1	469	469	419	104.8
SGRD5	KITCHEN	D2	10"	400	1	333	333	289	72.3
SGRD6	KITCHEN	D2	10"	400	1	402	402	355	88.8
SGRD7	KITCHEN	D2	10"	400	1	548	548	477	119.3
SGRD8	KITCHEN	D2	10"	400	1	451	451	396	99.0
Total				3000		3307	3307	2908	96.93%

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Project: 10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

System/Unit: FAN - Exhaust



Asset: EF1

AREA:HD1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU50HFA	DUH50FA
Serial Num	-	6865030
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	1000	889
Fan RPM	1376	1800
Fan Rotation	-	CCW
Motor RPM	-	1800
RL Voltage	-	120
RL Amperage	-	6.2
Suction ESP	-	-1.15"
Discharge ESP	-	ATM
Total ESP	-	1.15"

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	-	0.50
Motor Rpm	-	1800
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.3
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE

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Notes:
RPM Calculated based on speed setpoint.

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Unit Data - PHOTO LOG



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Project: 10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

System/Unit: FAN - Exhaust



Asset: EF2

AREA:Restrooms

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU50HFA	DR12HFA
Serial Num	-	6865030
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	-	299
Fan RPM	-	1824
Fan Rotation	-	CCW
Motor RPM	-	1824
RL Voltage	-	120
RL Amperage	-	1.9
Suction ESP	-	-0.85"
Discharge ESP	-	ATM
Total ESP	-	0.85"

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	-	1/4
Motor Rpm	-	1800
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	2.9
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE

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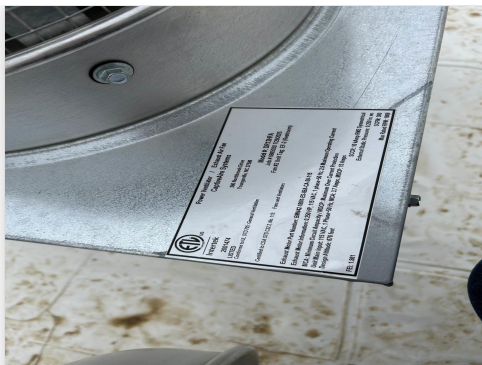
Notes:
90% setpoint.

Written By: Cody Collett on 10/27/2025

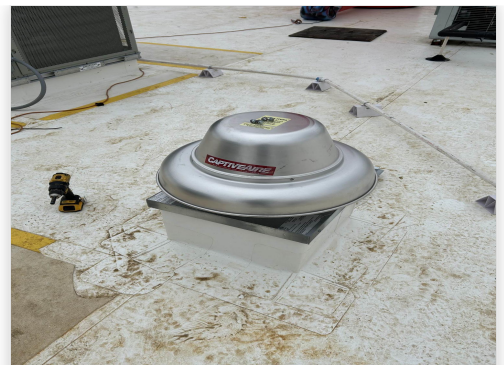
Unit Data - PHOTO LOG



10/28/2025



10/28/2025



10/28/2025

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Project:10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/Restrooms

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MENS	G1	12X12	150	1	83	83	152	101.3
EGRD2	WOMENS	G1	12X12	150	1	83	83	147	98.0
Total				300		166	166	299	99.67%

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Project: 10-27-25 ARBYS COLLINSVILLE, OK (SKIATOOK)

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:Kitchen

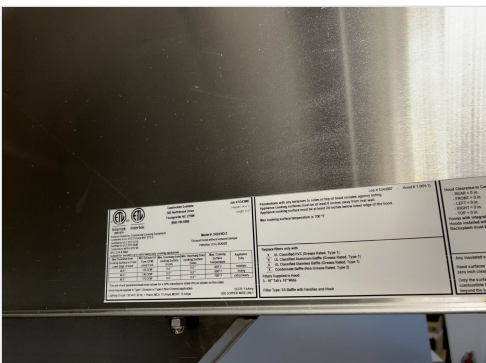
Unit Data		
	Design	Actual
MFG	NA	CAPTIVEAIRE
Model Num	5424 ND2	5424 ND-2
Job / Serial Num	-	5343887
Type	TYPE 1 CANOPY	TYPE 1 CANOPY
Hood length	-	73"
Hood Width	-	54"

Test Data Exhaust		
	Design	Actual
Filter Type	-	SS BAFFLE
Filter Size 1	-	16x16
Filter Qty 1	-	3
Filter AK factor size 1	-	1.62
Filters AK factor size 2	-	
Filter Total AK Area	-	4.86
Filter1 FPM	-	174
Filter2 FPM	-	199
Filter3 FPM	-	178
Filter Ave FPM(corr)	-	183
CFM	-	889

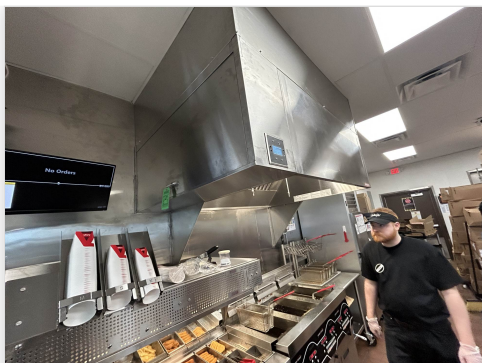
Cooking Equipment	
	Actual
Item 1	TRIPLE FRYER

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Unit Data - PHOTO LOG



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