Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 12/09/2025

Completed By: National TAB

PROJECT

11-24-25 Freddys - Tulsa, OK

5119 E 51st S

Tulsa, OK 74135

Client

KT Ventures

National TAB

Project: 11-24-25 Freddys - Tulsa, OK

Table Of Contents

Project Summary

Project Summary
The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

DOAS w/ Diffusers
Each of the DOAS were measured at their terminal devices or via traverse to establish a total flow for that unit. Each DOAS was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that tolerance is noted throughout the report.

Kitchen Exhaust Hood & Associated Fans
Each kitchen exhaust fan was measured at the hood filter bay utilizing a velocity matrix and a manufacturer's correction factor. Each filter velocity is multiplied by the manufacturer's corrected area. The sum of these readings equals the total flow of the exhaust fans. The total flow of the exhaust was then adjusted to within tolerance of the design flow. . Any EF's that fell outside of this tolerance is noted throughout the report.

General Exhaust Fans w/ Grilles
The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. Any equipment that fell outside of this tolerance is noted throughout the report.

Issue List

- DOAS CFMS
- Hood 1/KEF 1 CFM low
- KEF-1 and KEF-2 excessive flex conduit length.
- Kef-1 cat cable to VFD exposed to the elements.
- KEF-1 exhaust riser not connected to fan properly
- KEF-2 Load side (factory) wiring.
- RTU-1 OA CFM reduced.
- RTU-1 occupied fan.
- RTU-1 temp sensing.
- Unable to access damper for diffuser 2-5

11-24-25 Freddys - Tulsa, OK

Project Issue Information

Issue Name :	DOAS CFMS		
Description :	Design CFMs did not match each other. Unit design capacity (2300), Diffuser total (2790) and Balance schedule total (2650) do not match. Adjusted diffuser CFMs proportionally to design rated Unit CFM capacity of 2300.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Urgent	**Asset Tag :**	DOAS2
Originated Date :	12/09/2025 - Cody Collett - National TAB		

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Project Issue Information

Issue Name : Hood 1/KEF 1 CFM low

Description : CFM low below design (66%) at FLA. Ductwork, hood and fan were inspected for possible causes. Ductwork was found to be the most likely culprit. Ductwork contains two T junction ducts and one 90 degree duct. The motor on KEF-1 is 1 HP and is likely struggling with a non direct vertical duct system. Further investigation by mechanical required.

Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Urgent	**Asset Tag :**	KEF1
Originated Date :	11/27/2025 - Cody Collett - National TAB		

Project Issue Response Details

- **12/09/2025 National TAB - Cody Collett**
  - Issue still present 12/08/2025. Hood capture 100% in current conditions with exception of 1 incident reported by management that the hood was not capturing at all but has had no other in incident since.

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Project Issue Information

Issue Name : KEF-1 and KEF-2 excessive flex conduit length.

Description : KEF-1 and KEF-2 excessive flex conduit length. Presents a trip hazard and risk of damage to equipment of someone were to trip over it. Tension on the conduit as the conduit degrades over time will cause exposure of electrical wiring to the events and leakage of water into electrical conduits and/or the space.

Created By : National TAB

Assigned To : National TAB - Dan Hertenstein

Status : Open

Priority : Medium

Asset Tag :

Originated Date : 11/27/2025 - Cody Collett - National TAB

Project Issue File Details

11/27/2025

11/27/2025

11-24-25 Freddys - Tulsa, OK

Project Issue Information

Issue Name : Kef-1 cat cable to VFD exposed to the elements.

Description : Kef-1 cat cable to VFD exposed to the elements. Recommend installing flex conduit to cover cat cable.

Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Medium	**Asset Tag :**	KEF1
Originated Date :	11/27/2025 - Cody Collett - National TAB		

Project Issue File Details

11/27/2025

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Project Issue Information

Issue Name :	KEF-1 exhaust riser not connected to fan properly		
Description :	KEF-1 exhaust riser not connected to fan properly. Reinspected 12/08/2025 riser has been attached with screw but not sealed. Riser should be properly attached and sealed in the same manner as any other section of grease duct. Apply fire caulking.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Medium	**Asset Tag :**	KEF1
Originated Date :	11/27/2025 - Cody Collett - National TAB		

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Project Issue Information

Issue Name :	KEF-2 Load side (factory) wiring.		
Description :	KEF-2 Load side power wiring was not wired tightly and came loose during testing and was reconnected and tightened by TAB tech.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	InfoOnly	**Asset Tag :**	KEF2
Originated Date :	12/09/2025 - Cody Collett - National TAB		

11-24-25 Freddys - Tulsa, OK

Project Issue Information

Issue Name :	RTU-1 OA CFM reduced.		
Description :	Due to KEF-1 CFM not meeting design OA on RTU-1 was reduced until building pressure met design so door would not blow open. Any changes to ductwork on KEF-1 or the fan will require a rebalance of RTU-1 OA and rebalance of KEF-1.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Urgent	**Asset Tag :**	RTU1
Originated Date :	12/09/2025 - Cody Collett - National TAB		

11-24-25 Freddys - Tulsa, OK

Project Issue Information

Issue Name :	RTU-1 occupied fan.		
Description :	RTU-1 Thermostat does not have an option to set fan to be on when occupied, Recommend replacement of thermostat with one that can be programmed to have the fan on when occupied in order to maintain a consistent building pressure.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Urgent	**Asset Tag :**	RTU1
Originated Date :	12/11/2025 - Cody Collett - National TAB		

11-24-25 Freddys - Tulsa, OK

Project Issue Information

Issue Name :	RTU-1 temp sensing.		
Description :	RTU-1 temp sensing is operating off of the thermostat in the managers office and not off of the remote temp sensor in the dining room. Reinspected 12/08/2025 Issue still present store is open, staff and customer complaints of space heat.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Urgent	**Asset Tag :**	RTU1
Originated Date :	11/26/2025 - Cody Collett - National TAB		

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Project Issue Information

Issue Name :	Unable to access damper for diffuser 2-5		
Description :	Unable to access damper for diffuser 2-5 due to lighting and ductwork obstruction removal of ceiling tiles. Recommend installing face damper to facilitate diffuser balance.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Medium	**Asset Tag :**	SGRD5
Originated Date :	11/27/2025 - Cody Collett - National TAB		

NATIONAL TAB

AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-1	DINING	5000	4880	4019	4311	981	569	19.6%	11.7%						
DOAS-1	KITCHEN	2300	2302	0	0	2300	2302	100.0%	100.0%						
KEF-1	HOOD 1											1600	1158		
KEF-2	HOOD 2											775	801		
EF-1	RESTROOM													75	77
EF-2	RESTROOM													75	73
TOTALS		7300	7182	4019	4311	3281	2871			0	0	2375	1959	150	150

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	3281	2871
TOTAL EXHAUST	2525	2109
NET AIRFLOW	756	762

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.018
SIDE	0.018
REAR	0.021
AVERAGE	**0.019**

FINAL CHECKS

ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✓

NOTES:

KEF-1 CFM does not meet design CFM at max speed. Original DOAS building schedule did not match design unit CFM, changed CFM to match unit capacity. Decreased dining RTU OA CFM to bring builing pressure withing tollerance due to KEF-1 being low below design.

CheckList List

- STEP 1: INITIAL WALKTHROUGH
- STEP 2: UNIT DATA AND EVAL
- STEP 3: TEST, ADJUST, AND BALANCE
- STEP 4: FINAL TESTS
- STEP 5: FINAL DOCUMENTATION

11-24-25 Freddys - Tulsa, OK

CheckList Information

Name :	STEP 1: INITIAL WALKTHROUGH	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/14/2025 - Tyce Fox - National TAB		
Completed Date :	12/08/2025 - Cody Collett - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?	Yes
Comment:	
All hood filters installed and accounted for?	Yes
Comment:	
Hoods are wired and have power?	Yes
Comment:	
Hood is free of alarms?	Yes
Comment:	
Thermostats have power?	Yes
Comment:	

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

Comment:

Yes

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CheckList Information

Name :	STEP 2: UNIT DATA AND EVAL	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/14/2025 - Tyce Fox - National TAB		
Completed Date :	12/08/2025 - Cody Collett - National TAB		

CheckList Item Details

UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

RTU's/AHU's

Economizers are assembled and functional?	Yes
Comment:	
DCV Max damper opening position is set to minimum?	N/A
Comment:	
Free cooling enthalpy set point set for lowest setting (Typically "D")	N/A
Comment:	
Motors are all operating below the FLA rating?	Yes
Comment:	

Are belts tight?

Comment:

N/A

If direct drive unit is the speed controller working.

Comment:

Yes

Is gas piping installed and valves turned on?	Yes

Comment:

Unit free of noticeable noise and vibration	Yes

Comment:

EF's

Rotation is correct?	Yes

Comment:

Belts are tight?

Comment:

N/A

Grease cup installed on hood fan?

Comment:

Hinge kit installed installed on hood fan?	Yes

Comment:

Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	Yes

Comment:

Flex conduit is long enough so that fan can be completely tilted back?	Yes

Comment:

There is no major leakage around base of fan?	Yes

Comment:

Is the motor operating below the motor FLA rating?	Yes

Comment:	
For restroom fan(s) is the back draft damper installed and can it fully open?	N/A
Comment:	
Unit free of noticeable noise and vibration?	Yes
Comment:	
MUA	
Rotation is correct?	N/A
Comment:	
Gas piping is installed and valves are in on position?	N/A
Comment:	
Heater tested and is functional?	N/A
Comment:	
Internal motorized damper is fully opening?	N/A
Comment:	
Motor is operating below the FLA rating?	N/A
Comment:	
Unit free of noticeable noise and vibration?	N/A
Comment:	
HOODS	
Kitchen equipment installed in proper places?	Yes
Comment:	
Can kitchen equipment be turned on for final smoke test?	Yes

Comment:

Open store active cooking

DOCUMENTATION

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	Yes

Comment:

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CheckList Information

Name :	STEP 3: TEST, ADJUST, AND BALANCE	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/14/2025 - Tyce Fox - National TAB		
Completed Date :	12/08/2025 - Cody Collett - National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting? Yes

Comment:

Is space comfortable in all areas? No

Comment:

Dining room does not sense temperature correctly and runs off of temp sensor in managers office.

Is the space free of ventilation noise? Yes

Comment:

If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".

Comment:

DOAS total rated CFM, diffuser total and balance schedule total do not match, proportionally reduced kitchen diffusers with exception of managers office to reflect acceptable unit limits.

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CheckList Information

Name :	STEP 4: FINAL TESTS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/14/2025 - Tyce Fox - National TAB		
Completed Date :	12/09/2025 - Cody Collett - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

All

List smoke candle type used

Comment:

Observed cooking.

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed	12/08/2025

Comment:

TAB tech name / Firm

Comment:

Cody Collett / National TAB

Site super name / Firm

Comment:

Owner representative name / Firm (if Applicable)

Comment:

Building pressure at front & back doors (All Systems On)

Comment:

FRONT 0.018" BACK 0.021"

ADDITIONAL

Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)

Comment:

YES

Thermostats are programmed?	Yes

Comment:

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CheckList Information

Name :	STEP 5: FINAL DOCUMENTATION	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	11/14/2025 - Tyce Fox - National TAB		
Completed Date :	12/08/2025 - Cody Collett - National TAB		

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets?	Yes
Comment:	
Picture file sent to processing team or uploaded?	Yes
Comment:	
Balance schedule complete and uploaded?	Yes
Comment:	
Prelim report generated and reviewed?	Yes
Comment:	

National TAB

Project: 11-24-25 Freddys - Tulsa, OK

System/Unit: AHU/RTU

Asset: DOAS2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	6218655
Model Num	CASRTU3-I.250-15-15T	CAS-HVAC3-I.250-15-15T
Type	DOAS	DOAS
Configuration	VERTICAL	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	-	TECO WESTINGHOUSE
Frame	-	145T
Horsepower	2	2
Motor Rpm	-	1745
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	5.64

Drive Data	
	Actual
Motor Sheave Size	Direct Drive

Test Data		
	Design	**Actual**
SF CFM	2300	2302
RA CFM	0	0
OA CFM	2300	2302
RL Voltage	-	189/189/189
RL Amperage	-	5.2/5.3/5.2
SF Rotation	-	CCW
SF System SetPt	-	57.9
RA Damper Position	-	0%
Min OA Damper Position	-	100%
Min OA Damper Type	-	DOAS ECONOMIZER

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

Completed By: Cody Collett on 12/09/2025

Notes:
Diffuser total and unit design CFM capacity do not match.

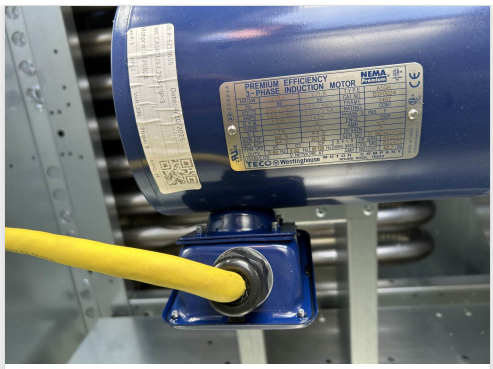
Final filters 1 merv 8
Final filters 2 merv 13

Written By: Cody Collett on 12/09/2025

Unit Data - PHOTO LOG

12/09/2025

12/09/2025



12/09/2025

National TAB

Project:11-24-25 Freddys - Tulsa, 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	BOH	SD2	10"	270	1	249	253	277	102.6
SGRD2	BOH	SD2	10"	270	1	283	287	259	95.9
SGRD3	KITCHEN	SD2	10"	270	1	314	314	258	95.6
SGRD4	KITCHEN	SD2	10"	270	1	313	318	258	95.6
SGRD5	KITCHEN	SD3	10"	270	1	272	276	328	121.5
SGRD6	KITCHEN	SD2	10"	270	1	313	321	268	99.3
SGRD7	KITCHEN	SD3	10"	270	1	328	333	263	97.4
SGRD8	KITCHEN	SD4	8"	150	1	107	108	147	98.0
SGRD9	KITCHEN	SD2	10"	270	1	175	178	244	90.4
Total				2310		2354	2388	2302	99.65%

Completed By: Cody Collett on 12/09/2025

Asset	Notes	Date	Written By
SGRD5	Unable to reduce CFM, unable to access damper.	12/09/2025	Cody Collett

National TAB

Project: 11-24-25 Freddys - Tulsa, OK

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	253010372L
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	-	2
Final Filter Size 1	-	18x18x2
Num Final Filter 2	-	3
Final Filter Size 2	-	18x24x2

Test Data		
	Design	**Actual**
SF CFM	5000	4880
SF RPM	-	1270
RA CFM	4019	4311
OA CFM	981	569
RL Voltage	-	211/211/212
RL Amperage	-	3.4/3.5/3.4
SF Rotation	-	66.5%
SF System SetPt	-	65.5%
RA Damper Position	-	78%
Min OA Damper Position	-	22%
Min OA Damper Type	-	Economizer

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	3	5
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	11.0

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.30”
Fan Suction SP	-	-0.70”
Fan Discharge SP	-	0.51”
Total ESP	1.000"	0.81”
Fan Total SP	-	1.21”

Drive Data	
	Actual
Motor Sheave Size	Direct Drive

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

Completed By: Cody Collett on 12/09/2025

Unit Data - PHOTO LOG

12/09/2025

12/09/2025

National TAB

Project:11-24-25 Freddys - Tulsa, 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	RESTROOM	SD5	6"	50	1	113	87	45	90.0
SGRD2	RESTROOM	SD5	6"	50	1	45	49	55	110.0
SGRD3	HALL	SD5	6"	50	1	58	54	52	104.0
SGRD4	DINING	SD1	12"	470	1.3	626	538	460	97.9
SGRD5	DINING	SD1	12"	470	1.3	445	354	509	108.3
SGRD6	DINING	SD1	12"	470	1.3	581	484	456	97.0
SGRD7	DINING	SD1	12"	470	1.3	436	382	424	90.2
SGRD8	DINING	SD1	12"	470	1.3	367	334	427	90.9
SGRD9	DINING	SD5	8"	150	1	115	96	136	90.7
SGRD10	DINING	SD1	12"	470	1.3	522	403	432	91.9
SGRD11	DINING	SD1	12"	470	1.3	633	533	470	100.0
SGRD12	DINING	SD1	12"	470	1.3	651	590	440	93.6
SGRD13	DINING	SD1	12"	470	1.3	687	527	491	104.5
SGRD14	DINING	SD1	12"	470	1.3	806	682	483	102.8
Total				5000		6085	5113	4880	97.6%

Completed By: Cody Collett on 12/09/2025

National TAB

Project: 11-24-25 Freddys - Tulsa, OK

System/Unit: FAN - Exhaust

Asset: EF1 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	GREENHECK	Loren Cook
Model Num	SP-A200-390	GEMINI VF 100 SONEBUSTER
Serial Num	-	NL
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	**Actual**
CFM	75	77
Fan Rotation	-	CW
System SetPt	-	MANUAL SCREW
RL Voltage	-	112
RL Amperage	-	0.20

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	0.08	NL
Motor Rpm	900	NL
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.26
Service Factor	-	NL

Completed By: Cody Collett on 12/09/2025

Unit Data - PHOTO LOG

12/09/2025

National TAB

Project: 11-24-25 Freddys - Tulsa, OK

System/Unit: FAN - Exhaust

Asset: EF2 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	GREENHECK	Loren Cook
Model Num	SP-A200-390	GEMINI VF 100 SONEBUSTER
Serial Num	-	NL
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	**Actual**
CFM	75	73
Fan Rotation	-	CW
System SetPt	-	MANUAL SCREW
RL Voltage	-	113
RL Amperage	-	0.18

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	0.08	NL
Motor Rpm	900	NL
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.26
Service Factor	-	NL

Completed By: Cody Collett on 12/09/2025

Unit Data - PHOTO LOG

12/09/2025

National TAB

Project: 11-24-25 Freddys - Tulsa, OK

System/Unit: FAN - Exhaust

Asset: KEF1 AREA:HOOD 1

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	CASRE18DD	CASRE18DD
Serial Num	-	6218655
Type	UTILITY	UTILITY
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	145T
Horsepower	1	1
Motor Rpm	-	1150
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	3.44
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	1600	1158
Fan Rotation	-	CCW
System SetPt	-	58.7HZ
RL Voltage	-	156/158/156
RL Amperage	-	3.0/3.0/3.1
Total ESP	1.400"	0.81"
Fan Inlet SP	-	-0.81"
Fan Discharge SP	-	ATM

Completed By: Cody Collett on 12/09/2025

Unit Data - PHOTO LOG

12/09/2025

12/09/2025

12/09/2025

National TAB

Project: 11-24-25 Freddys - Tulsa, OK

System/Unit: FAN - Exhaust

Asset: KEF2 AREA:HOOD 2

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU50HFA	DU50HFA
Serial Num	-	6218655
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	0.500	0.50
Motor Rpm	1532	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.3
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	775	801
Fan Rotation	-	CCW
System SetPt	-	63%
RL Voltage	-	121
RL Amperage	-	3.5
Total ESP	1.250"	1.2”
Fan Inlet SP	-	1.2”
Fan Discharge SP	-	ATM

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Unit Data - PHOTO LOG

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National TAB

Project: 11-24-25 Freddys - Tulsa, 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	-	6218655
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	96"	96"
Hood Width	54"	54"

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	8.1	8.1
Filter1 FPM	-	146
Filter2 FPM	-	134
Filter3 FPM	-	136
Filter4 FPM	-	157
Filter5 FPM	-	142
Filter Ave FPM(corr)	-	143
CFM	1600	1158

Cooking Equipment	
	Actual
Item 1	Griddle

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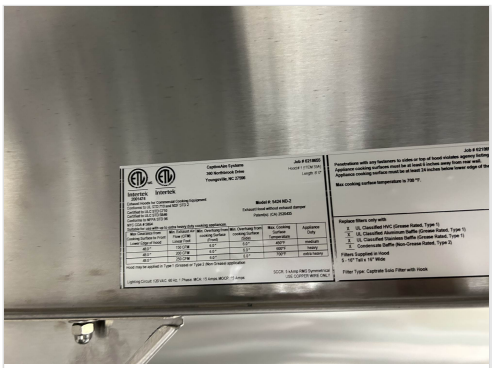
Unit Data - PHOTO LOG



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National TAB

Project: 11-24-25 Freddys - Tulsa, 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	-	5218655
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	60"	60"
Hood Width	54"	54"

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X16	16X16
Filter Qty 1	3	3
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	4.86	4.86
Filter1 FPM	-	152
Filter2 FPM	-	168
Filter3 FPM	-	176
Filter Ave FPM(corr)	-	165
CFM	775	801

Cooking Equipment	
	Actual
Item 1	Fryers

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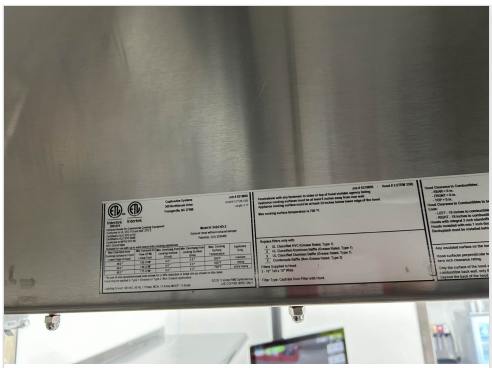
Unit Data - PHOTO LOG



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