Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 05/23/2024

PROJECT

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

1925 E 2ND ST

EDMOND, OK 73003

Client

RKS Ventures, Inc.

9340 E Central Ave

Suite A

Wichita, KS 67206

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

Table Of Contents

Section	Page #
Issue Data	3
AHU/RTU	8
FAN - Exhaust	12
Checklist Data	17
FAN - Supply	38
Kitchen Hood Type I	39

Issue List

- MUA intake filters dirty
- RTU-1/RTU-2/RTU-3 final filters dirty
- RTU-1/RTU-3 OA missing
- Women’s RR Exhaust fan

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

Project Issue Information

Issue Name : MUA intake filters dirty

Description : MUA OA intake filters are dirty. Recommend replacing. Removed for testing.

Created By : National TAB

Assigned To : National TAB - Dylan Crisman

Status : Open

Priority : Low

Asset Tag :

Originated Date : 05/23/2024 - Dylan Crisman - National TAB

Project Issue File Details

IMG_4197
05/23/2024

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

Project Issue Information

Issue Name : RTU-1/RTU-2/RTU-3 final filters dirty

Description : Final filters for all 3 RTUs are dirty. Recommend replacing with correct 20x25x2 merv 8 rated pleated filters. RTU-1 kitchen unit OA section is very dirty, recommend cleaning.

Created By : National TAB

Assigned To : National TAB - Dylan Crisman

Status : Open

Priority : Low

Asset Tag :

Originated Date : 05/22/2024 - Dylan Crisman - National TAB

Project Issue File Details

IMG_4189
05/22/2024

IMG_4186
05/22/2024

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

Project Issue Information

Issue Name : RTU-1/RTU-3 OA missing

Description : OA hood is installed but missing OA filters and economizer/OA dampers. Cannot balance OA to stabilize building pressure at this time.

Created By : National TAB

Assigned To : National TAB - Dylan Crisman

Status : Open

Priority : High

Asset Tag :

Originated Date : 05/22/2024 - Dylan Crisman - National TAB

Project Issue File Details

IMG_4186
05/22/2024

IMG_4183
05/22/2024

IMG_4189
05/22/2024

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

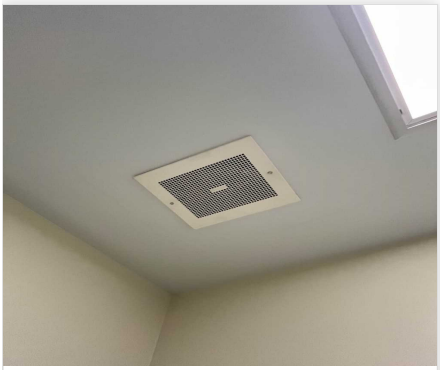
Project Issue Information

Issue Name : Women's RR Exhaust fan

Description : Women's RR ceiling Exhaust fan is spinning backwards, read very low negative (-11CFM) to a slightly positive reading. Recommend mechanical contractor flip rotation on fan.

Created By :	National TAB	**Assigned To :**	National TAB - Dylan Crisman
Status :	Open		
Priority :	Low	**Asset Tag :**	
Originated Date :	05/23/2024 - Dylan Crisman - National TAB		

Project Issue File Details



IMG_4201
05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	185116204L
Model Num	YSC120A3EMAF000C	YSC120A3EMAF000C
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	0
OA Filter Size 1	-	NA
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.0	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.30

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

Test Data		
	Design	**Actual**
SF CFM	4000	4114
SF RPM	-	727
RA CFM	3100	
OA CFM	900	NA
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	CW
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	NA
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.2"	
Fan Total SP	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: AHU/RTU

Asset: RTU2 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	608100922L
Model Num	YSC120A3EMAF000C	YSC120A3EMAF000C
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35.5X16
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	GE
Frame	-	56Hz
Horsepower	3.0	3.0
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	9.4

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4.5"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	3 TURNS OPEN
Fan Sheave Size	-	AK59 BROWNING
Fan Sheave Bore	-	1"
Belt CL Distance	-	6"
Num of Belts	-	1
Belt Size	-	AX36
Belt Alignment	-	VERIFIED

Test Data		
	Design	**Actual**
SF CFM	4000	4096
SF RPM	-	922
RA CFM	3100	3143
OA CFM	900	953
RL Voltage	-	207.5/207.3/209
RL Amperage	-	5.5/5.3/5.9
SF Rotation	-	CW
RA Damper Position	-	65%
Min OA Damper Position	-	35%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	D

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.44"
Fan Suction SP	-	-0.78"
Fan Discharge SP	-	0.31"
Total ESP	1.2"	0.75"
Fan Total SP	-	1.09"

General		
	Design	**Actual**
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Dylan Crisman on 05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: AHU/RTU

Asset: RTU3 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	190610117L
Model Num	YSC092A3EMAA000C	YSC092A3EMAA000C
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	0
OA Filter Size 1	-	NA
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	2.0"	1.0
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	208	200-230
Rated Amperage	-	3.3

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	3"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	3 TURNS OPEN
Fan Sheave Size	-	AK59X1
Fan Sheave Bore	-	1"
Belt CL Distance	-	12"
Num of Belts	-	1
Belt Size	-	A35
Belt Alignment	-	VERIFIED

Test Data		
	Design	**Actual**
SF CFM	3000	2453
SF RPM	-	727
RA CFM	2400	
OA CFM	600	NA
RL Voltage	-	211/210.9/208.8
RL Amperage	-	2.8/2./2.6
SF Rotation	-	CW
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	NA
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.24"
Fan Suction SP	-	-0.45"
Fan Discharge SP	-	0.23"
Total ESP	1.0"	0.47"
Fan Total SP	-	0.68"

General		
	Design	**Actual**
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Dylan Crisman on 05/23/2024

National TAB

Project:05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

AHU/RTU

Diffuser Supply (GRD)

RTU3/KITCHEN

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU3-SGRD1					1.0	193	193	193	-
RTU3-SGRD2					1.0	270	270	270	-
RTU3-SGRD3					1.0	409	409	409	-
RTU3-SGRD4					1.0	198	198	198	-
RTU3-SGRD5					1.0	263	263	263	-
RTU3-SGRD6					1.0	252	252	252	-
RTU3-SGRD7					1.0	293	293	293	-
RTU3-SGRD8					1.0	434	434	434	-
RTU3-SGRD9					1.0	141	141	141	-
Total				0		2453	2453	2453	0%

Completed By: Dylan Crisman on 05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: FAN - Exhaust

Asset: EF1 AREA:

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	GC-180	GC-180
Serial Num	-	
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	150	108
Fan RPM	991	
Fan Rotation	-	CCW
Motor RPM	-	
System SetPt	-	HIGH SPEED
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.25"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	ATM

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: FAN - Exhaust

Asset: EF2 AREA:

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	GC-160	GC-160
Serial Num	-	
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

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

Test Data		
	Design	**Actual**
CFM	100	0
Fan RPM	976	
Fan Rotation	-	CCW
Motor RPM	-	
System SetPt	-	HIGH SPEED
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.25"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	ATM

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: FAN - Exhaust

Asset: KEF1 AREA:HOOD 1

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	CUBE-101-4	CUBE-101-4-G
Serial Num	-	05J30272
Type	-	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	FASCO
Frame	-	NL
Horsepower	0.25"	0.25
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.1
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	899	886
Fan RPM	1464	1413
Fan Rotation	-	CCW
Motor RPM	-	1760
System SetPt	-	2 TURNS OPEN
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.633"	0.20"
Fan Inlet SP	-	-0.20"
Fan Discharge SP	-	ATM

Completed By: Dylan Crisman on 05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: FAN - Exhaust

Asset: KEF2 AREA:HOOD 2

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	CUBE-101-3	CUBE-101-3-G
Serial Num	-	06B15195
Type	-	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Z
Horsepower	0.333	0.333
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.1
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	1162	1093
Fan RPM	1767	1583
Fan Rotation	-	CCW
Motor RPM	-	1752
System SetPt	-	2 TURNS OPEN
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.778"	0.25"
Fan Inlet SP	-	-0.25"
Fan Discharge SP	-	ATM

Completed By: Dylan Crisman on 05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: FAN - Exhaust

Asset: KEF3 AREA:HOOD 3

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	CUBE-101-3	CUBE-101-3-G
Serial Num	-	06B15194
Type	-	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Z
Horsepower	0.333"	0.333
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.1
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	1162	1198
Fan RPM	1767	1570
Fan Rotation	-	CCW
Motor RPM	-	1759
System SetPt	-	2 TURNS OPEN
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.778"	0.28"
Fan Inlet SP	-	-0.28"
Fan Discharge SP	-	ATM

Completed By: Dylan Crisman on 05/23/2024

CheckList List

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

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

CheckList Information

Name :	TECH - SITE PICTURES	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/21/2024 - Brian Turnbough - National TAB		

CheckList Item Details

STORE FRONT

Comment:

IMG_4212
05/23/2024

RTU-1

Comment:

IMG_4187
05/22/2024

RTU-2

Comment:

IMG_4184
05/22/2024

RTU-3

Comment:

IMG_4180
05/22/2024

RTU-4

Comment:

RTU-5

Comment:

RTU-6

Comment:

RTU-7

Comment:

RTU-8

Comment:

RTU-9

Comment:

RTU-10

Comment:

RTU-11

Comment:

RTU-12

Comment:

RTU-13

Comment:

RTU-14

Comment:

RTU-15

Comment:

RTU-16

Comment:

RTU-17

Comment:

RTU-18

Comment:

RTU-19

Comment:

RTU-20

Comment:

MAU-1 Yes

Comment:

IMG_4167
05/22/2024

MAU-2

Comment:

EF-1

Comment:

IMG_4174
05/22/2024

EF-2

Comment:

IMG_4171
05/22/2024

EF-3

Comment:

IMG_4169
05/22/2024

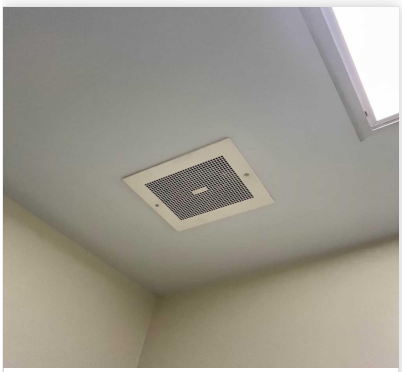
EF-4

Comment:

IMG_4200
05/23/2024

EF-5

Comment:



IMG_4201
05/23/2024

EF-6

Comment:

EF-7

Comment:

EF-8

Comment:

EF-9

Comment:

EF-10

Comment:

HOOD-1

Comment:

IMG_4162
05/22/2024

HOOD-2

Comment:

IMG_4164
05/22/2024

HOOD-3

Comment:

IMG_4160
05/22/2024

HOOD-4

Comment:

HOOD-5

Comment:

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

CheckList Information

Name :	TECH - STEP 1: INITIAL READINGS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/21/2024 - Brian Turnbough - National TAB		

CheckList Item Details

INITIAL BUILDING REVIEW:

What is the initial building pressure before making any changes?

Comment:

Side door -0.0060” Back door -0.0141” Front door 0.0026”

Are thermostats programmed? Yes

Comment:

Are building pressure relief working properly?

Comment:

Yes

INITIAL AIRFLOWS:

SUPPLY RTU-1

Comment:

OA RTU-1

Comment:

SUPPLY RTU-2

Comment:

OA RTU-2

Comment:

SUPPLY RTU-3

Comment:

OA RTU-3

Comment:

Filters in 1129CFM Filters out 2008CFM

EF-1

Comment:

886CFM

EF-2

Comment:

1093 CFM

EF-3

Comment:

1198 CFM

EF-4

Comment:

MAU-1

Comment:

2008CFM

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

CheckList Information

Name :	TECH - STEP 2: INITIAL SITE WALKTHROUGH	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/21/2024 - Brian Turnbough - National TAB		
Completed Date :	05/22/2024 - Dylan Crisman - 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

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

CheckList Information

Name :	TECH - STEP 3: UNIT DATA AND EVAL	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/21/2024 - Brian Turnbough - 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?	No

Comment:

DCV Max damper opening position is set to minimum?	Yes

Comment:

Free cooling enthalpy set point set for lowest setting (Typically "D")	Yes

Comment:

Motors are all operating below the FLA rating?	Yes

Comment:

Are belts tight?

Comment:

Yes

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:

Yes

Grease cup installed on hood fan?	Yes

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?	Yes

Comment:

Unit free of noticeable noise and vibration?	Yes

Comment:

MUA

Rotation is correct?	Yes

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?	Yes

Comment:

Motor is operating below the FLA rating?	Yes

Comment:

Unit free of noticeable noise and vibration?	Yes

Comment:

HOODS

Kitchen equipment installed in proper places?	Yes

Comment:

Can kitchen equipment be turned on for final smoke test?	Yes

Comment:

DOCUMENTATION

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

Comment:

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

CheckList Information

Name :	TECH - STEP 4: TEST, ADJUST AND BALANCE	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/21/2024 - Brian Turnbough - National TAB		
Completed Date :	05/22/2024 - Dylan Crisman - 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?	Yes
Comment:	
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:

NA

05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

CheckList Information

Name :	TECH - STEP 5: FINAL TESTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/21/2024 - Brian Turnbough - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

List smoke candle type used

Comment:

CE0163 45 Sec 150CF

Smoke test capture - Perimeter of hood

Comment:

Smoke test capture - Top of cooking surface

Comment:

WITNESS

Date test was completed

Comment:

TAB tech name / Firm

Comment:

Dylan Crisman / NTi

Site super name / Firm

Comment:

Owner representative name / Firm (if Applicable)

Comment:

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

Comment:

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:

Thermostats are programmed?	Yes

Comment:

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: FAN - Supply

Asset: MUA1 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	KSFB-109-H15	KSFB-109-H15
Serial Num	-	10398215
Type	MUA	MUA
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	CENTURY
Frame	-	K56Z
Horsepower	1	1.0
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.2
Service Factor	-	1.15

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	NA
Flame Status (pass/fail)	-	NA
Inlet Air Temp SetPt	-	NA
Discharge Air Temp SetPt	-	NA
Air Flow Switch SP Actual	-	NA

Test Data		
	Design	**Actual**
CFM	2024	2008
SF RPM	1056	1060
Motor RPM	-	1782
SF System SetPt	-	3 TURNS OPEN
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	-	NA
Fan Discharge SP	-	ATM

General		
	Design	**Actual**
Fan Rotation Correct	-	YES

Completed By: Dylan Crisman on 05/23/2024

Notes:
[1] AX42 BELT, 17.5" CL
[2] 3.5" MOTOR SHEAVE 5/8" BORE
[3] 4" FAN SHEAVE 7/8" BORE
1782/1060 RPM

Written By: Dylan Crisman on 05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GHEW-4.33-S	GHEW-4.33-S
Job / Serial Num	-	10394140
Type	TYPE 1 CANOPY	TYPE I CANOPY
Hood length	52"	52”
Hood Width	39"	39”
Supply Plenum Type	-	NA
Supply Plenum Width	-	NA
Supply Plenum Length	52"	NA

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	16x20
Filter Size 2	-	
Filter Qty 1	-	3
Filter Qty 2	-	
Filter AK factor size 1	-	2.08
Filters AK factor size 2	-	
Filter Total AK Area	-	6.24
Filter1 FPM	-	147
Filter2 FPM	-	149
Filter3 FPM	-	131
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	142
CFM	899	886

Cooking Equipment		
	Design	**Actual**
Item 1	-	FRYER
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	**Actual**
Total AK Area	-	
Kv factor (Vel)	-	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	584	669

Completed By: Dylan Crisman on 05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GHEW-5.00-S	GHEW-5.00-S
Job / Serial Num	-	10394141
Type	TYPE 1 CANOPY	TYPE I CANOPY
Hood length	60"	60”
Hood Width	39"	39”
Supply Plenum Type	-	NA
Supply Plenum Width	-	NA
Supply Plenum Length	60"	NA

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	20x20
Filter Size 2	-	
Filter Qty 1	-	3
Filter Qty 2	-	
Filter AK factor size 1	-	2.68
Filters AK factor size 2	-	
Filter Total AK Area	-	8.04
Filter1 FPM	-	135
Filter2 FPM	-	133
Filter3 FPM	-	142
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	136
CFM	1163	1093

Cooking Equipment		
	Design	**Actual**
Item 1	-	GRIDDLE
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	**Actual**
Total AK Area	-	
Kv factor (Vel)	-	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	720	669

Completed By: Dylan Crisman on 05/23/2024

National TAB

Project: 05-20-24 FREDDY'S - EDMOND, OK (REVIVE)

System/Unit: Kitchen Hood Type I

Asset: HD3 AREA:

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GHEW-5.00-S	GHEW-5.00-S
Job / Serial Num	-	10394142
Type	TYPE 1 CANOPY	TYPE I CANOPY
Hood length	60"	60”
Hood Width	39"	39”
Supply Plenum Type	-	NA
Supply Plenum Width	-	NA
Supply Plenum Length	60"	NA

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	20x20
Filter Size 2	-	
Filter Qty 1	-	3
Filter Qty 2	-	
Filter AK factor size 1	-	2.68
Filters AK factor size 2	-	
Filter Total AK Area	-	8.04
Filter1 FPM	-	149
Filter2 FPM	-	151
Filter3 FPM	-	149
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	149
CFM	1163	1198

Cooking Equipment		
	Design	**Actual**
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	**Actual**
Total AK Area	-	
Kv factor (Vel)	-	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	720	669

Completed By: Dylan Crisman on 05/23/2024