

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 02/05/2024

PROJECT

01-22-24 KRISPY KREME METARRAIRE, LA

825 Clearview Parkway

Metairie, LA 70001

Client
Krispy Kreme

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

Table Of Contents

Section	Page #
REMARKS	3
BALANCE SCHEDULE	18
Checklist Data	19
AHU/RTU	37
FAN - Exhaust	40
FAN - Supply	44
Kitchen Hood Type I	45

Issue List

- Dirty RTU Filters
- EF-2 and EF-3 High Exhaust Flow
- EF-3 No On/Off Switch
- Humidity and Temperature sensors not found
- MUA Dirty OA filters
- MUA-1 Unable to Adjust Pulley
- RTU's Low Flows
- RTU-1 Dirty Evaporator Coil
- RTU-1 Not operational
- RTU-2 diffuser flex duct not installed
- RTU-2 Dirty Evaporator Coil
- RTU-2 Dirty OA Filters
- RTU-3 Dirty Evaporator Coil
- RTU-3 Mold inside Motor Compartment



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : Dirty RTU Filters
Description : Filters for all RTU's are dirty. Recommend to replace.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



FILTERS1
01/25/2024



FILTERS2
01/25/2024



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : EF-2 and EF-3 High Exhaust Flow
Description : HOOD2 takes care of a dough proofer. Exhaust CFM is currently 861 CFM. Based on the dimensions of the Hood, the Exhaust should be reduced to 450 CFM. EF-3 is high as well (1428 CFM) and serves a dish-washing area. Unable to adjust pulleys, due to belts being a size larger and unable to apply tension after adjustment.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : EF-3 No On/Off Switch

Description : EF-3 is constantly on. There is no switch to turn it on and off during unoccupied hours.

Created By : National TAB

Assigned To : National TAB - Antonio Flores-De La Cruz

Status : Open

Priority :

Asset Tag :

Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB



01-22-24 KRISPY KREME METARRAIRE, LA

Project Issue Information

Issue Name : Humidity and Temperature sensors not found
Description : No Humidity or temperature sensors were found for any RTUs. Thermostats were located and are in their respective locations based on the RTU it serves.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : MUA Dirty OA filters
Description : Filters are dirty and damaged. Recommend to replace.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



**MUA10Afilters
01/25/2024**



01-22-24 KRISPY KREME METARRAIRE, LA

Project Issue Information

Issue Name : MUA-1 Unable to Adjust Pulley
Description : While trying to set the pulley to minimum, the belt is too long to properly reduce speed and apply tension to the belt. Recommend obtaining a smaller belt and setting it to minimum on the sheave.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB



01-22-24 KRISPY KREME METARRAIRE, LA

Project Issue Information

Issue Name : RTU's Low Flows
Description : All RTU's are below design based on tonnage. RTU-1 and RTU-3 are 10 Ton units and RTU-2 is a 15 Ton unit. RTU-2 will need a pulley change to significantly increase airflow. All units are operating under FLA and have amperage on the motors to increase speeds.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : RTU-1 Dirty Evaporator Coil
Description : The Evaporator Coil is dirty. Recommend cleaning to help improve airflow.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



RTU1EvapCoil
01/25/2024



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : RTU-1 Not operational
Description : The unit was turned off at the disconnect to obtain data from inside the motor compartment. After gathering data, unit was turned back on again and the unit operated for a couple seconds before coming to a complete stop. It was observed that the unit was rotating Clockwise and Rotation should be Counterclockwise. Unit does not turn on anymore. Further investigation is required.

Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz

Status : Open

Priority : **Asset Tag :**

Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



RTU-1(1)
01/25/2024



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : RTU-2 diffuser flex duct not installed
Description : Flex duct is not properly installed and sitting on top of the diffuser.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



Flex
01/25/2024



Location(1)
01/25/2024



01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : RTU-2 Dirty Evaporator Coil
Description : The evaporator coil is dirty. Recommend cleaning to help improve airflow
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details





01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : RTU-2 Dirty OA Filters
Description : Filters are dirty and slightly damaged. Recommend to clean/replace.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details





01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : RTU-3 Dirty Evaporator Coil
Description : The Evaporator Coil is dirty and has debris. Recommend cleaning to help improve airflow.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



RTU3EVAPCoil
01/25/2024



01-22-24 KRISPY KREME METARRAIRE, LA

Project Issue Information

Issue Name : RTU-3 Mold inside Motor Compartment
Description : Mold has been found on the walls and the panel of the motor compartment.
Created By : National TAB **Assigned To :** National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



RTU3MOLD1
01/25/2024



RTU3MOLD2
01/25/2024

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	BOH/ GARAGE	3500	2360		2360	0	0	0.0%	0.0%						
RTU-2	KITCHEN	5250	3512	1000	3341	1000	171	19.0%	5.1%						
RTU-3	DINING	3500	3120		3120	0	0	0.0%	0.0%						
MUA-1	HOOD-1									?	2374				
EF-1	HOOD-1											4050	3974		
EF-2	HOOD-2											600	861		
EF-3	DISHWASHER													?	1428
EF-4	RR													?	298
TOTALS		12250	8992	1000	8821	1000	171			0	2374	4650	4835	0	1726

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1000	2545
TOTAL EXHAUST	4650	6561
NET AIRFLOW	-3650	-4016

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	-0.05
SIDE	-0.04
REAR	-0.05
AVERAGE	-0.0467

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:

CheckList List

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

01-22-24 KRISPY KREME METARRAIRE, LA

CheckList Information

Name : SITE PICTURES **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/22/2024 - Wale Odofin - National TAB
Completed Date :

CheckList Item Details

STORE FRONT

Comment:



STOREFRONT
01/25/2024

RTU-1

Comment:



RTU-1(1)
01/25/2024

RTU-2

Comment:



RTU-2(2)
01/25/2024

RTU-3

Comment:



RTU-3(3)
01/25/2024

EF-1

Comment:



EF_1
01/25/2024

EF-2

Comment:



EF-2
01/25/2024

EF-3

Comment:



EF-3(1)
01/25/2024

EF-4

Comment:



EF-4
01/25/2024

MAU-1

Comment:



MUA_1
01/25/2024

HOOD-1

Comment:



HOOD-1
01/25/2024

HOOD-2

Comment:



HOOD-2
01/25/2024

RTU-1 THERMOSTAT LOCATION

Comment:



RTU1Thermostat
01/25/2024

RTU-2 THERMOSTAT LOCATION

Comment:



RTU-2Thermostat
01/25/2024

RTU-3 THERMOSTAT LOCATION

Comment:



RTU-3Thermostat
01/25/2024



01-22-24 KRISPY KREME METARAIRE, LA

CheckList Information

Name : TECH - STEP 1: INITIAL READINGS **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/22/2024 - Wale Odofin - National TAB
Completed Date :

CheckList Item Details

INITIAL BUILDING REVIEW:

What is the initial building pressure before making any changes?

Comment:

Back : -0.1" Front: -.08" Side: -0.09"

Are thermostats programmed?

No

Comment:

Are building pressure relief working properly?

Comment:

N/A

INITIAL AIRFLOWS:

SUPPLY RTU-1

Comment:

2360 CFM

OA RTU-1

Comment:

0 CFM

SUPPLY RTU-2

Comment:

3512 CFM

OA RTU-2

Comment:

171 CFM

SUPPLY RTU-3

Comment:

3120 CFM

OA RTU-3

Comment:

0

EF-1

Comment:

3974 CFM

EF-2

Comment:

861 CFM

EF-3

Comment:

1689 CFM

EF-4

Comment:

298 CFM

MAU-1

Comment:

2374 CFM



01-22-24 KRISPY KREME METARAIRE, LA

CheckList Information

Name : TECH - STEP 2: INITIAL WALKTHROUGH **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/22/2024 - Wale Odofin - National TAB
Completed Date :

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



01-22-24 KRISPY KREME METARAIRE, LA

CheckList Information

Name : TECH - STEP 3: UNIT DATA AND EVAL **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/22/2024 - Wale Odofin - National TAB
Completed Date : 01/25/2024 - Antonio Flores-De La Cruz - 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? N/A

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:

Yes

If direct drive unit is the speed controller working.

Comment:

N/A. EF-4 is speed is controlled by swapping wires.

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?

N/A

Comment:

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

N/A

Comment:

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

N/A

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?	N/A
---	-----

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?	N/A
--	-----

Comment:

DOCUMENTATION

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

Comment:



01-22-24 KRISPY KREME METARAIRE, LA

CheckList Information

Name : TECH - STEP 4: TEST, ADJUST AND BALANCE **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/22/2024 - Wale Odofin - National TAB
Completed Date : 01/25/2024 - Antonio Flores-De La Cruz - 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:

THE AREA IN THE BACK WITH A COOLER AND A GARAGE DOOR IS ALWAYS HUMID ACCORDING TO EMPLOYEES. THEY HAVE GIANT FANS TO KEEP AIR CIRCULATING TO AVOID DAMAGING FOOD MATERIALS.

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

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: AHU/RTU



Asset: RTU1

AREA: GARAGE / BACK

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	0921P31418
Model Num	NA	48TCDM12A2
Type	-	RTU
Configuration	-	VERTICAL
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Test Data		
	Design	Actual
SF CFM	-	2360
SF RPM	-	NA
RA CFM	-	2360
OA CFM	-	0
SF Rotation	-	CCW

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	230
Rated Amperage	-	11.6

General		
	Design	Actual
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Drive Data		
	Design	Actual
Motor Sheave Size	-	4.375"
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	3 TO
Fan Sheave Size	-	AFD74
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	A49
Belt Alignment	-	CORRECT

Completed By: Antonio Flores-De La Cruz on 01/24/2024

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: AHU/RTU



Asset: RTU2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	2817P14536
Model Num	NA	48TCED16A2
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14 AND 18X14
Num Final Filter 1	-	6
Final Filter Size 1	-	18X24X2

Test Data		
	Design	Actual
SF CFM	-	3512
SF RPM	-	1762/701
RA CFM	-	3341
OA CFM	-	171
RL Voltage	-	212/211/211
RL Amperage	-	6.2/6.7/6.6
SF Rotation	-	CCW
RA Damper Position	-	100%
Min OA Damper Position	-	10%
Min OA Damper Type	-	MANUAL SLIDE

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON ELECTRIC
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	230
Rated Amperage	-	11.6

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.27"
Fan Suction SP	-	-0.53"
Fan Discharge SP	-	0.63"
Total ESP	-	0.90"
Fan Total SP	-	1.16"

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.375"
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	2 TO
Fan Sheave Size	-	BK80
Fan Sheave Bore	-	1.25"
Belt CL Distance	-	20.5"
Num of Belts	-	1
Belt Size	-	B56
Belt Alignment	-	CORRECT

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

Completed By: Antonio Flores-De La Cruz on 01/24/2024

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: AHU/RTU



Asset: RTU3

AREA:DINING

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	1021P32404
Model Num	NA	48TCDM12A2
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	0
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	230
Rated Amperage	-	11.6

Drive Data		
	Design	Actual
Motor Sheave Size	-	4.375"
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	2 TO
Fan Sheave Size	-	AFD74
Fan Sheave Bore	-	1"
Belt CL Distance	-	16.5"
Num of Belts	-	1
Belt Size	-	A49
Belt Alignment	-	CORRECT

Test Data		
	Design	Actual
SF CFM	-	3120
SF RPM	-	1722/958
RA CFM	-	3120
OA CFM	-	0
RL Voltage	-	208/208/209
RL Amperage	-	7.4/7.4/7.2
SF Rotation	-	CCW

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.53"
Fan Suction SP	-	-1.07"
Fan Discharge SP	-	0.42"
Total ESP	-	0.95"
Fan Total SP	-	1.49"

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

Completed By: Antonio Flores-De La Cruz on 01/24/2024

Notes:
THERMOSTAT IS BESIDE FRONT DOOR

Written By: Antonio Flores-De La Cruz on 01/24/2024

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

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

Test Data		
	Design	Actual
CFM	-	3974
Fan RPM	-	1132
Fan Rotation	-	CW
Motor RPM	-	1714
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON ELECTRIC
Frame	-	145T
Horsepower	-	NA
Motor Rpm	-	1745
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	6
Service Factor	-	NA

Drive Data		
	Design	Actual
Motor Sheave Size	-	4.125"
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	2 TO
Fan Sheave Size	-	4.75"
Fan Sheave Bore	-	0.75"
Belt CL Distance	-	6"
Num of Belts	-	1
Belt Size	-	AX22

Completed By: Antonio Flores-De La Cruz on 01/24/2024

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	NA	FANTECH
Model Num	NA	58DU10BB-A
Serial Num	-	1007393620
Type	-	UPBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NA
Horsepower	-	0.25
Motor Rpm	-	1820
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.2
Service Factor	-	1

Drive Data		
	Design	Actual
Motor Sheave Size	-	3"
Motor Bore Size	-	0.5"
Motor Sheave SetPt	-	1 TO
Fan Sheave Size	-	AK30
Fan Sheave Bore	-	0.625"
Belt CL Distance	-	4.25"
Num of Belts	-	1
Belt Size	-	4L180

Test Data		
	Design	Actual
CFM	-	861
Fan RPM	-	1765
Fan Rotation	-	CW
Motor RPM	-	1746
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM

Completed By: Antonio Flores-De La Cruz on 01/24/2024

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: FAN - Exhaust



Asset: EF3

AREA:

Unit Data		
	Design	Actual
MFG	NA	FANTECH
Model Num	NA	5BDU10BB-A
Serial Num	-	1007410896
Type	-	UPPBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	1428
Fan RPM	-	1830
Fan Rotation	-	CW
Motor RPM	-	1749
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NA
Horsepower	-	0.25
Motor Rpm	-	1820
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.2
Service Factor	-	1

Drive Data		
	Design	Actual
Motor Sheave Size	-	3"
Motor Bore Size	-	0.5"
Motor Sheave SetPt	-	1 TO
Fan Sheave Size	-	AK30
Fan Sheave Bore	-	0.625"
Belt CL Distance	-	4.25"
Num of Belts	-	1
Belt Size	-	4L180

Completed By: Antonio Flores-De La Cruz on 01/24/2024

Notes:

1428 CFM IS WITH A VELGRID READING OF 1049 FPM AND A 14X14 OPENING. WITH THE HOOD, 1028 CFM WAS READ.

Written By: Antonio Flores-De La Cruz on 01/25/2024

National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: FAN - Exhaust



Asset: EF4

AREA:

Unit Data		
	Design	Actual
MFG	NA	CENTRI MASTER
Model Num	NA	PRN126E
Serial Num	-	04D165511
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	298
Fan RPM	-	DD
Fan Rotation	-	CW
Motor RPM	-	DD
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	48Y
Horsepower	-	0.25
Motor Rpm	-	1625
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	3
Service Factor	-	1.7

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD

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Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: FAN - Supply



Asset: SF1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NA
Type	-	MUA
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MAGNETEK
Frame	-	NL
Horsepower	-	1
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	3.4
Service Factor	-	1.25

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.75"
Motor Bore Size	-	0.625"
Fan Sheave Size	-	7"
Fan Sheave Bore	-	1"
Belt CL Distance	-	16.5"
Num of Belts	-	1
Belt Size	-	A48
Belt Alignment Verified	-	CORRECT

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	N/A

Test Data		
	Design	Actual
CFM	-	2374
SF RPM	-	864
Motor RPM	-	1714
RL Voltage	-	208/208/209
RL Amperage	-	3.6/3.6/3.4
Total ESP	-	NA
Fan Discharge SP	-	NA

General		
	Design	Actual
Fan Rotation Correct	-	YES

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Notes:
SUPPLYS HOOD1 AND A LINEAR DIFFUSER BESIDE THE HOOD

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National TAB

Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Job / Serial Num	-	NA
Type	-	TYPE I
Hood length	-	108"
Hood Width	-	72"
Supply Plenum Type	-	PERFORATED
Supply Plenum Width	-	4.5"
Supply Plenum Length	-	99"

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	-	

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	16X16
Filter Size 2	-	16X20
Filter Qty 1	-	6
Filter Qty 2	-	6
Filter AK factor size 1	-	1.62
Filters AK factor size 2	-	2.08
Filter Total AK Area	-	22.2
Filter1 FPM	-	150
Filter2 FPM	-	169
Filter3 FPM	-	207
Filter4 FPM	-	207
Filter5 FPM	-	180
Filter6 FPM	-	160
Filter7 FPM	-	160
Filter8 FPM	-	177
Filter9 FPM	-	209
Filter10 FPM	-	203
Filter11 FPM	-	173
Filter12 FPM	-	150
Filter Ave FPM(corr)	-	179
CFM	-	3974

Cooking Equipment		
	Design	Actual
Item 1	-	FRYER
Item 2	-	FRYER

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Project: 01-22-24 KRISPY KREME METARAIRE, LA

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Job / Serial Num	-	NA
Type	-	TYPE II
Hood length	-	37.375
Hood Width	-	45.5

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	16X20
Filter Qty 1	-	2
Filter AK factor size 1	-	2.08
Filter Total AK Area	-	4.16
Filter1 FPM	-	202
Filter2 FPM	-	212
Filter Ave FPM(corr)	-	207
CFM	-	861

Cooking Equipment		
	Design	Actual
Item 1	-	DOUGH PROFER

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