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 METARAIRE, LA

825 Clearview Parkway

Metairie, LA 70001

Client

Krispy Kreme

National TAB

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

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Issue List

- 01: RTU-1 Not operational
- 02: MUA type/configuration issues
- 03: EF-3 (Dish hood) high on flow/runs constantly
- 04: EF-2 (Dough Proofer) high on flow
- 05: RTU-1 and 3 OA intakes not installed
- 06: Back garage doors left open
- 07: RTU-2 diffuser flex duct not installed
- 08: RTU's low on flow/pulley changes needed
- 09: Dirty RTU Filters
- 10: MUA-1 Belt is too long
- 10: RTU-3 Growth inside Motor Compartment
- 11: RTU's evaporator coils
- 12: RTU-2 Dirty OA Filters
- 13: MUA Dirty OA filters

01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : 01: 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 : Urgent

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 : 02: MUA type/configuration issues

Description : The MUA is non-conditioned/non-heated and was found initially turned off. The hood is an older style hood that discharges MUA inside the canopy towards the filters. These hoods aren't used much anymore because they tend to spill MUA into the space. But then there is also a linear diffuser on the side of the hood that blows (cont'd below)

Created By :	National TAB	**Assigned To :**	National TAB - Antonio Flores-De La Cruz
Status :	Open		
Priority :	Urgent	**Asset Tag :**	SF1
Originated Date :	02/23/2024 - Will Turnbough - National TAB		

Project Issue Response Details

- **02/23/2024 National TAB - Will Turnbough**
  - straight down into the kitchen. This is really common to find these kinds of systems turned off by employees. And in order to solve the comfort/building pressure issue it will be critical that we come up with a way to mitigate this.

01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : 03: EF-3 (Dish hood) high on flow/runs constantly

Description : There is an exhaust fan that pulls from above the dish washer. It is really high on flow (1600 CFM). That seems really excessive for this application. It would likely be a good idea to replace this with a smaller direct drive fan at a much lower exhaust rate.

Created By :	National TAB	**Assigned To :**	National TAB - Will Turnbough
Status :	Open		
Priority :	High	**Asset Tag :**	EF3
Originated Date :	02/23/2024 - Will Turnbough - National TAB		

Project Issue Response Details

- **02/23/2024 National TAB - Will Turnbough**
  - This fan also runs constantly and it would be better if it was interlocked with the dish machine. It also needs to be confirmed that this fan is not running 24/7.

01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name :	04: EF-2 (Dough Proofer) high on flow		
Description :	The proofer hood airflow is pretty high for the application as well. It's operating around 850 CFM but we think it should be closer to 450 CFM. We can't slow down because the belt is too lose, so a smaller belt is recommended.		
Created By :	National TAB	**Assigned To :**	National TAB - Antonio Flores-De La Cruz
Status :	Open		
Priority :	High	**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 :	05: RTU-1 and 3 OA intakes not installed		
Description :	The building is very negative (-0.10” initially). One major issue that needs to be addressed is that RTU-2 is the only unit with an OA intake. These need to be added to RTU-1 and RTU-3 as well. The building will never be positive without these installed.		
Created By :	National TAB	**Assigned To :**	National TAB - Antonio Flores-De La Cruz
Status :	Open		
Priority :	Urgent	**Asset Tag :**	RTU1
Originated Date :	02/23/2024 - Will Turnbough - National TAB		

01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name :	06: Back garage doors left open		
Description :	The tech noticed that the back garage door is being left open quite a bit. This may be because the RTU serving the space is off. But the employees need to make sure this is closed when they're not accepting deliveries.		
Created By :	National TAB	**Assigned To :**	National TAB - Will Turnbough
Status :	Open		
Priority :	InfoOnly	**Asset Tag :**	
Originated Date :	02/23/2024 - Will Turnbough - National TAB		

01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : 07: 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 : High

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 :	08: RTU's low on flow/pulley changes needed		
Description :	All RTU's are below design based on tonnage. RTU-1 is operating at 236 CFM/ton, RTU-2 is 234 CFM/ton, and RTU-3 is 312 CFM/ton. Recommended to be 350-400 CFM/ton. RTU-2 and 3 require pulley changes. RTU-1 needs to be evaluated once operational.		
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 : 09: Dirty RTU Filters
Description : Filters for all RTU's are dirty. Recommend replacing

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

Status : Open
Priority : Medium
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 :	10: MUA-1 Belt is too long		
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 :	High	**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 : 10: RTU-3 Growth inside Motor Compartment

Description : Microbial growth is on the walls and the panel of the motor compartment. Recommend cleaning

Created By : National TAB

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

Status : Open

Priority : Medium

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

01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : 11: RTU's evaporator coils

Description : Evaporator coils are dirty. Recommend cleaning and ensuring preventative maintenance company is completing during each visit.

Created By : National TAB

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

Status : Open

Priority : Medium

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 : 12: RTU-2 Dirty OA Filters

Description : Filters are dirty and slightly damaged. Recommend to cleaning and may want to replace soon.

Created By : National TAB

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

Status : Open

Priority : Low

Asset Tag :

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

Project Issue File Details

OAfilters
01/25/2024

01-22-24 KRISPY KREME METARAIRE, LA

Project Issue Information

Issue Name : 13: MUA Dirty OA filters
Description : Filters are dirty and damaged. Recommend replacing.

Created By : National TAB
Assigned To : National TAB - Antonio Flores-De La Cruz
Status : Open
Priority : Low
Asset Tag :
Originated Date : 01/25/2024 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details

MUA1OAfilters
01/25/2024

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	BOH/ GARAGE	3500	2360	2800	2360	700	0	20.0%	0.0%						
RTU-2	KITCHEN	5250	3512	1000	3341	1000	171	19.0%	5.1%						
RTU-3	DINING	3500	3120	2800	3120	700	0	20.0%	0.0%						
MUA-1	HOOD-1									2700	2374				
EF-1	HOOD-1											4050	3974		
EF-2	HOOD-2											600	861		
EF-3	DISHWASHER													500	1428
EF-4	RR													298	298
TOTALS		12250	8992	6600	8821	2400	171			2700	2374	4650	4835	798	1726

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	5100	2545
TOTAL EXHAUST	5448	6561
NET AIRFLOW	-348	-4016

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
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:

The design column are proposed airflows but will depend on what changes improvements are made to the systems.

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 METARAIRE, 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

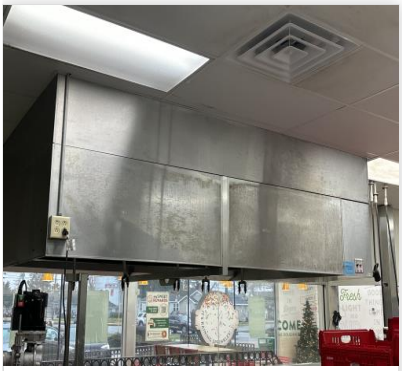
MAU-1

Comment:

MUA_1
01/25/2024

HOOD-1

Comment:



HOOD-1
01/25/2024

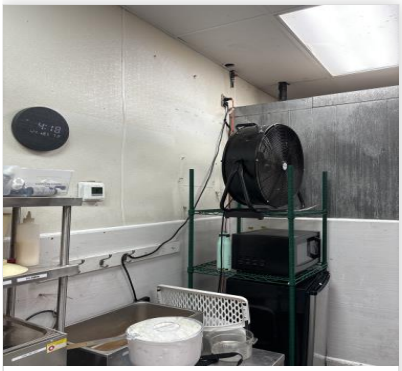
HOOD-2

Comment:

HOOD-2
01/25/2024

RTU-1 THERMOSTAT LOCATION

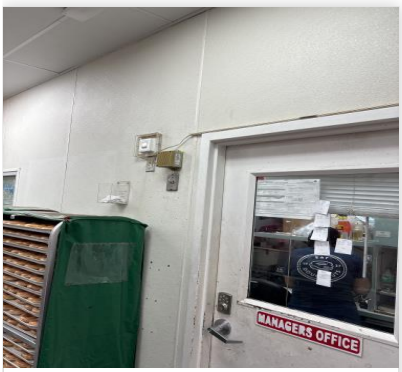
Comment:



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

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	-	3 TO
Fan Sheave Size	-	AFD74
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	A49
Belt Alignment	-	CORRECT

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

General		
	Design	**Actual**
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: 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

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

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

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

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"

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

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

Test Data		
	Design	**Actual**
CFM	-	3974
Fan RPM	-	1132
Fan Rotation	-	CW
Motor RPM	-	1714
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: 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

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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

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	-	1428
Fan RPM	-	1830
Fan Rotation	-	CW
Motor RPM	-	1749
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM

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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

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

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

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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

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

Notes:
SUPPLYS HOOD1 AND A LINEAR DIFFUSER BESIDE THE HOOD

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

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 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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