Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 10/12/2023

PROJECT

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

1370 CHESTNUT ST. NE

ORANGEBURG, SC 29115

Client

TRS-SESCO LLC

721-A Park Centre Dr

Kernersville, NC 27284

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

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- RTU-1 OUTSIDE AIR
- RTU2 OA

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : EF2
Description : NOT OPERATIONAL

Created By : National TAB
Assigned To : National TAB - Will Turnbough

Status : Open
Priority : High
Asset Tag :
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue Response Details

- **10/30/2023 National TAB - JOASH ALBIN**
  - NOT OPERATIONAL

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : EF3
Description : DUCT NOT CONNECTED TO EF. FAN NOT OPERATIONAL

Created By : National TAB
Assigned To : National TAB - Will Turnbough

Status : Open
Priority : High
Asset Tag :
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details

EF3(1)
01/31/2023

EF3-1
01/31/2023

Project Issue Response Details

- **10/30/2023 National TAB - JOASH ALBIN**
  - NOT OPERATIONAL

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : EF4

Description : Airflow measured as 41 CFM out of 300 CFM. High discharge pressure measured (0.97") indicating restriction downstream. Recommend verifying the discharge duct and any louvers are free of obstructions.

Created By : National TAB

Assigned To : National TAB - Will Turnbough

Status : Open

Priority : Low

Asset Tag :

Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue Response Details

- **11/09/2023 National TAB - Will Turnbough**
  - NO CHANGE.

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : EF7
Description : AIRFLOW ABOVE DESIGN.

Created By :	National TAB	**Assigned To :**	National TAB - Will Turnbough
Status :	Open		
Priority :	Low	**Asset Tag :**	EF7
Originated Date :	01/31/2023 - Antonio Flores-De La Cruz - National TAB		

Project Issue Response Details

- **11/09/2023 National TAB - Will Turnbough**
  - Airflow is 337 CFM out of design of 250 CFM. Single speed direct drive fan.

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : HEF1

Description : Airflow is 1847 CFM out of design of 2100 CFM with the speed controller at maximum.

Created By : National TAB

Assigned To : National TAB - Will Turnbough

Status : Open

Priority : Low

Asset Tag : HEF-1

Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details

HEF1
01/31/2023

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : HEF2
Description : NOT OPERATIONAL. UNABLE TO TEST.

Created By : National TAB
Assigned To : National TAB - Will Turnbough
Status : Open
Priority : Medium
Asset Tag : HEF-2
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details

HEF2
01/31/2023

Project Issue Response Details

- **11/09/2023 National TAB - JOASH ALBIN**
  - Unit is now operational. Airflow is 3064 CFM out of design of 1200 CFM. Even with remaining pulley adjustment, airflow will be well above design. Recommend a pulley change in order to achieve design airflow.

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : HEF3
Description : NOT OPERATIONAL. UNABLE TO TEST.

Created By : National TAB
Assigned To : National TAB - Will Turnbough

Status : Open
Priority : High
Asset Tag :
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details

HEF3
01/31/2023

Project Issue Response Details

- **10/30/2023 National TAB - JOASH ALBIN**
  - NOT OPERATIONAL

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name : MUA1

Description : SPEED CONTROLLER IS NOT RESPONDING TO ADJUST AIRFLOW. AIRFLOW IS 3657 CFM OUT OF 1925 CFM DESIGN.

Created By : National TAB

Assigned To : National TAB - Will Turnbough

Status : Open

Priority : High

Asset Tag :

Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details

MUA1
01/31/2023

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name :	RTU-1 OUTSIDE AIR		
Description :	RTU-1 outside air damper is not responding to adjustments. Unable to set the outside air.		
Created By :	National TAB	**Assigned To :**	National TAB - Will Turnbough
Status :	Open		
Priority :	High	**Asset Tag :**	RTU1
Originated Date :	11/09/2023 - Will Turnbough - National TAB		

08-14-23 FOOD LION #2857 - ORANGEBURG, SC

Project Issue Information

Issue Name :	RTU2 OA		
Description :	THE OUTSIDE AIR INTAKE IS BLOCKED OFF BY A PLATE.		
Created By :	National TAB	**Assigned To :**	National TAB - Will Turnbough
Status :	Open		
Priority :	High	**Asset Tag :**	
Originated Date :	01/31/2023 - Antonio Flores-De La Cruz - National TAB		

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: AHU/RTU

Asset: RTU1 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	NA	BILO
Serial Num	-	0903J90
Model Num	NA	CS03VHK
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	12
Final Filter Size 1	-	20"X25"X1.75"
Num Final Filter 2	-	20"X30"1.75"
Final Filter Size 2	-	9

Test Data		
	Design	**Actual**
SF CFM	19300	18345
SF RPM	-	1191
RA CFM	15940	18345
OA CFM	3360	0
RL Voltage	-	207/208/205
RL Amperage	-	51.3/55.7/50.1
SF Rotation	-	CCW
RA Damper Position	-	100%
Min OA Damper Position	-	0%
Min OA Damper Type	-	ODB(ORANGE)
OA Enthalpy Setpt	-	UNKWN

Motor Data		
	Design	**Actual**
Motor MFG	-	E-PLUS
Frame	-	S2841
Horsepower	-	25
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	200
Rated Amperage	-	69

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-1.35"
Fan Suction SP	-	-2.07
Fan Discharge SP	-	1.48
Total ESP	-	2.83"
Fan Total SP	-	3.55"

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	3MVP80B940
Motor Bore Size	-	4.375"
Motor Sheave SetPt	-	
Fan Sheave Size	-	14"
Fan Sheave Bore	-	4.125"
Belt CL Distance	-	34.5"
Num of Belts	-	3
Belt Size	-	A101
Belt Alignment	-	GOOD

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

Completed By: JOASH ALBIN on 11/08/2023

Notes:
OA DAMPER INSTALLED NOW, UNIT FUNCTIONAL FOR TESTING// UNABLE TO ADJUST ACTUATOR WHILE ON SITE

Written By: JOASH ALBIN on 11/08/2023

National TAB

Project:08-14-23 FOOD LION #2857 - ORANGEBURG, SC

AHU/RTU

Diffuser Supply (GRD)

RTU1/SALES

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	SALES	S3		650	1	611	611	611	94.0
SGRD2	SALES	S3		650	1	594	594	594	91.4
SGRD3	SALES	S3		650	1	616	616	616	94.8
SGRD4	SALES	S3		650	1	635	635	635	97.7
SGRD5	SALES	S3		650	1	607	607	607	93.4
SGRD6	SALES	S3		650	1	591	591	591	90.9
SGRD7	SALES	S3		800	1	745	745	745	93.1
SGRD8	SALES	S2		500	1	458	458	458	91.6
SGRD9	SALES	S2		500	1	465	465	465	93.0
SGRD10	SALES	S2		500	1	483	483	483	96.6
SGRD11	SALES	S2		500	1	488	488	488	97.6
SGRD12	SALES	S2		500	1	452	452	452	90.4
SGRD13	SALES	S2		500	1	485	485	485	97.0
SGRD14	SALES	S2		500	1	436	436	436	87.2
SGRD15	SALES	S2		500	1	490	490	490	98.0
SGRD16	SALES	S2		500	1	495	495	495	99.0
SGRD17	SALES	S2		500	1	465	465	465	93.0
SGRD18	SALES	S2		500	1	462	462	462	92.4
SGRD19	SALES	S2		500	1	457	457	457	91.4
SGRD20	SALES	S2		500	1	475	475	475	95.0
SGRD21	SALES	S2		500	1	471	471	471	94.2
SGRD22	SALES	S2		500	1	485	485	485	97.0
SGRD23	SALES	S2		500	1	468	468	468	93.6
SGRD24	SALES	S2		500	1	563	563	563	112.6
SGRD25	SALES	S2		500	1	469	469	469	93.8
SGRD26	SALES	S2		500	1	500	500	500	100.0
SGRD27	SALES	S2		500	1	484	484	484	96.8
SGRD28	SALES	S2		500	1	481	481	481	96.2
SGRD29	SALES	S2		500	1	460	460	460	92.0
SGRD30	SALES	S2		500	1	463	463	463	92.6
SGRD31	SALES	S2		500	1	470	470	470	94.0
SGRD32	SALES	S2		500	1	478	478	478	95.6
SGRD33	MENS RR	S1		150	1	140	140	140	93.3
SGRD34	WOMENS RR	S1		150	1	139	139	139	92.7
SGRD35	RECEIVING	S5		600	1	585	585	585	97.5
SGRD36	RECEIVING	S5		600	1	589	589	589	98.2
SGRD37	RECEIVING	S5		600	1	590	590	590	98.3
Total				19300		18345	18345	18345	95.05%

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: AHU/RTU

Asset: RTU2 AREA:PRODUCE/FRONT

Unit Data		
	Design	**Actual**
MFG	YORK	YORK
Serial Num	-	N1K7119785
Model Num	ZS-25N30B2A1AAA1A2	ZS-25N30B2A1AAA1A2
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	215T
Horsepower	-	10
Motor Rpm	-	1770
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	25

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	0.875"
Motor Bore Size	-	7.5"
Motor Sheave SetPt	-	3.5
Fan Sheave Size	-	11"
Fan Sheave Bore	-	0.875"
Belt CL Distance	-	28"
Num of Belts	-	1
Belt Size	-	AX75
Belt Alignment	-	GOOD

Test Data		
	Design	**Actual**
SF CFM	9775	9326
SF RPM	-	1294
RA CFM	8375	9326
OA CFM	1400	0
RL Voltage	-	205/207/209
RL Amperage	-	18.1/17.9/18.3
SF Rotation	-	CCW
RA Damper Position	-	100%
Min OA Damper Position	-	0%
Min OA Damper Type	-	NA
OA Enthalpy Setpt	-	NA

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

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

Completed By: JOASH ALBIN on 11/08/2023

National TAB

Project:08-14-23 FOOD LION #2857 - ORANGEBURG, SC

AHU/RTU

Diffuser Supply (GRD)

RTU2/PRODUCE/FRONT

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	VESTIBULE	S1		400	1	316	405	365	91.3
SGRD2	VESTIBULE	S1		400	1	382	406	382	95.5
SGRD3	VESTIBULE	S1		400	1	300	415	390	97.5
SGRD4	SALES	S1		150	1	157	160	138	92.0
SGRD5	SALES	S1		150	1	123	143	139	92.7
SGRD6	SALES	S1		150	1	119	165	135	90.0
SGRD7	WORK ROOM	S1		150	1	105	150	138	92.0
SGRD8	WORK ROOM	S1		150	1	103	141	136	90.7
SGRD9	WORK ROOM	S1		300	1	281	345	276	92.0
SGRD10	LOUNGE	S1		300	1	260	325	279	93.0
SGRD11	LOUNGE	S1		300	1	180	250	300	100.0
SGRD12	LOUNGE	S1		200	1	115	156	185	92.5
SGRD13	LOUNGE	S1		200	1	111	150	194	97.0
SGRD14	SALES	S1		300	1	204	230	284	94.7
SGRD15	SALES	S1		300	1	250	235	284	94.7
SGRD16	MENS RR	S1		200	1	125	152	180	90.0
SGRD17	BABY CHANGING RM	S1		75	1	45	115	80	106.7
SGRD18	WOMENS RR	S1		150	1	82	191	156	104.0
SGRD19	SALES	S2		500	1	341	421	467	93.4
SGRD20	SALES	S2		500	1	350	436	465	93.0
SGRD21	SALES	S2		500	1	333	445	490	98.0
SGRD22	SALES	S2		500	1	321	435	462	92.4
SGRD23	SALES	S2		500	1	618	448	468	93.6
SGRD24	SALES	S2		500	1	645	445	500	100.0
SGRD25	SALES	S2		500	1	656	485	515	103.0
SGRD26	SALES	S2		500	1	628	450	490	98.0
SGRD27	SALES	S2		500		611	425	487	97.4
SGRD28	SALES	S2		500		645	420	485	97.0
SGRD29	PRODUCE PREP	S2		500		636	405	456	91.2
Total				9775		9042	8949	9326	95.41%

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: AHU/RTU

Asset: RTU-DB0 AREA:DELI/BAKERY

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	224014390L
Model Num	THC092	THC092
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35X20
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2
Num Final Filter 2	-	NA
Final Filter Size 2	-	NA

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.3

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	DD
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	3000	3029
SF RPM	-	DD
RA CFM	2700	2717
OA CFM	300	312
RL Voltage	-	210/212/211
RL Amperage	-	6.53VDC
SF Rotation	-	CCW
RA Damper Position	-	90%
Min OA Damper Position	-	10%
Min OA Damper Type	-	ODB
OA Enthalpy Setpt	-	MIN/(POS 5/(E))

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.34"
Fan Suction SP	-	-0.80"
Fan Discharge SP	-	0.41"
Total ESP	0.60"	0.75"
Fan Total SP	-	1.21"

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

Completed By: JOASH ALBIN on 10/31/2023

National TAB

Project:08-14-23 FOOD LION #2857 - ORANGEBURG, SC

AHU/RTU

Diffuser Supply (GRD)

RTU-DB0/DELI/BAKERY

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	BAKERY	S4		600	1	616	616	616	102.7
SGRD2	BAKERY	S4		600	1	604	604	604	100.7
SGRD3	BAKERY	S4		600	1	595	595	595	99.2
SGRD4	DELI	S4		600	1	613	613	613	102.2
SGRD5	DELI	S4		600	1	601	601	601	100.2
Total				3000		3029	3029	3029	100.97%

Completed By: JOASH ALBIN on 10/31/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: EF1 AREA:EMPLOYEE RESTROOMS

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	100C17DEC	100C17DEC
Serial Num	-	2965J89441-01/0000701
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	COOK
Frame	-	NL
Horsepower	0.25	0.25
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	3.4
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	450	473
Fan RPM	-	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	HIGH
RL Voltage	-	119
RL Amperage	-	3.1
Total ESP	0.375"	0.12"
Fan Inlet SP	-	-0.12"
Fan Discharge SP	-	ATM

Completed By: JOASH ALBIN on 11/08/2023

Notes:
Not operational
No speed controller

Written By: on

National TAB

Project:08-14-23 FOOD LION #2857 - ORANGEBURG, SC

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF1/EMPLOYEE RESTROOMS

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	MENS RR	E2	8"	225	1	345	345	235	104.4
EGRD2	WOMENS RR	E2	8"	225	1	284	284	238	105.8
Total				450		629	629	473	105.11%

Completed By: JOASH ALBIN on 10/30/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: EF2 AREA:WOMENS RR

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NA
Type	-	CEILING
Configuration	-	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	COOK
Frame	-	NL
Horsepower	-	0.0625
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.2
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	215	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	

Completed By: JOASH ALBIN on 11/08/2023

Notes:
Not operational
No speed controller

Written By: Will Turnbough on 11/09/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: EF3 AREA:MENS RR

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NL
Type	-	CEILING
Configuration	-	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	COOK
Frame	-	NL
Horsepower	-	0.0625
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.2
Service Factor	-	1.0

Test Data		
	Design	**Actual**
CFM	250	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	

Completed By: JOASH ALBIN on 11/08/2023

Notes:
No duct ran to fan.
Not operational
No speed controller

Written By: Will Turnbough on 11/09/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: EF4 AREA:LOUNGE

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NL
Type	-	CEILING
Configuration	-	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	-	0.0625
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	0.99
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	300	35
Fan RPM	-	DD
Fan Rotation	-	CW
Motor RPM	-	DD
System SetPt	-	HIGH
RL Voltage	-	115
RL Amperage	-	0.78
Total ESP	-	0.9704
Fan Inlet SP	-	-0.001
Fan Discharge SP	-	0.9703

Completed By: JOASH ALBIN on 10/30/2023

Notes:
NO SPEED CONTROLLER//.
LOW FLOW
CW FAN DIRECTION///ROTATION CORRECT ACCORDING TO FAN CAGE

MORE TIME NEEDED TO REQIRED FAN TO HIGH SPEED THE FAN MAY BE IN LOW SPEED AND NEEDS TO BE REWIRED INTO HIGH SPEED.

Written By: JOASH ALBIN on 11/08/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: EF5 AREA:FAMILY RR

Unit Data		
	Design	**Actual**
MFG	NA	COOK
Model Num	NA	NA
Serial Num	-	NL
Type	-	CEILING
Configuration	-	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	COOK
Frame	-	NL
Horsepower	-	0.0625
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.2
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	100	94
Fan RPM	-	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	HIGH
RL Voltage	-	120
RL Amperage	-	2.0
Total ESP	-	0.03"
Fan Inlet SP	-	-0.03"
Fan Discharge SP	-	ATM

Completed By: JOASH ALBIN on 10/30/2023

Notes:
Unable to reach above flex to read discharge SP.
no speed controller
Unable to read amps/volts

Written By: on

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: EF6 AREA:MECHANICAL ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	36AQD11D	36AQD11D
Serial Num	-	296SJ89441-01/002001
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	COOK
Frame	-	NL
Horsepower	1.5	1.5
Motor Rpm	-	1140
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	11000	
Fan RPM	1140	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.125"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Notes:
Not installed to curb
COULD NOT LOCATE ON SITE/ON PLANS

Written By: JOASH ALBIN on 11/08/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: EF7 AREA:JANITOR AREA

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	GC422	D0810B4223
Serial Num	-	NL
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	91W	0.043
Motor Rpm	-	1500
Phase	81	1
Voltage (rated)	120	115
Amperage (rated)	-	1.0
Service Factor	-	1.0

Test Data		
	Design	**Actual**
CFM	250	337
Fan RPM	1306	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	HIGH
RL Voltage	-	UNABLE
RL Amperage	-	1.0
Total ESP	0.375"	0.2847
Fan Inlet SP	-	-0.0047
Fan Discharge SP	-	0.28

Completed By: JOASH ALBIN on 11/08/2023

Notes:
No speed controller
Unable to read volts

Written By: on

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: HEF-1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	2012358
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Y
Horsepower	-	0.75
Motor Rpm	-	1625
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	13
Service Factor	-	1.0

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD

Test Data		
	Design	**Actual**
CFM	2100	1847
Fan RPM	-	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
RL Voltage	-	119
RL Amperage	-	8.2
Suction ESP	-	-1.07"
Discharge ESP	-	ATM
Total ESP	-	0.98

Completed By: JOASH ALBIN on 11/08/2023

Notes:
AT MAX SPEED

Written By: on

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: HEF-2 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	PENN
Model Num	DU85HFA	FX13BHFT
Serial Num	-	NL
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	WEG
Frame	-	NL
Horsepower	-	0.75
Motor Rpm	-	1740
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	3.2
Service Factor	-	1.25

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	3.875"
Motor Bore Size	-	1.125"
Motor Sheave SetPt	-	1 OPEN
Fan Sheave Size	-	5"
Fan Sheave Bore	-	0.875"
Belt CL Distance	-	5.75"
Num of Belts	-	1
Belt Size	-	4L240

Test Data		
	Design	**Actual**
CFM	1200	3064
RL Voltage	-	120
RL Amperage	-	3.1
Suction ESP	-	-1.26"
Discharge ESP	-	ATM
Total ESP	-	1.26"

Completed By: JOASH ALBIN on 11/08/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Exhaust

Asset: HEF-3 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	2012358
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Y
Horsepower	-	0.75
Motor Rpm	-	1625
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	13
Service Factor	-	1.0

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD

Test Data		
	Design	**Actual**
CFM	1750	0
Fan RPM	-	DD
Fan Rotation	-	0
Motor RPM	-	0
RL Voltage	-	0
RL Amperage	-	0
Suction ESP	-	0
Discharge ESP	-	0
Total ESP	-	0

Completed By: JOASH ALBIN on 11/08/2023

Notes:
NOT OPERATIONAL
NOT OPERATIONAL

Written By: JOASH ALBIN on 11/08/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Supply

Asset: MUA1 AREA:HOOD 1 & HOOD 3

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	NRTA-A1-G100	NRTA-A1-G100
Serial Num	-	2012358
Type	MUA	MUA
Configuration	HORIZONTAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Z
Horsepower	-	0.50
Motor Rpm	-	825
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.8
Service Factor	-	1.0

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	DD

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	NO GAS
Flame Status (pass/fail)	-	NO GAS
Inlet Air Temp SetPt	-	NA
Discharge Air Temp SetPt	-	NA
Air Flow Switch SP Actual	-	NA

Test Data		
	Design	**Actual**
CFM	1925	3657
SF RPM	-	DD
Motor RPM	-	DD
RL Voltage	-	115
RL Amperage	-	3.5
Total ESP	-	NA
Fan Discharge SP	-	NA

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

Completed By: JOASH ALBIN on 11/08/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: FAN - Supply

Asset: SF1 AREA:MECHANICAL ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	36AQD11D	36AQD11D
Serial Num	-	
Type	-	
Configuration	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	1.5	
Motor Rpm	-	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	11000	
SF RPM	1140	
Motor RPM	-	
SF System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Discharge SP	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND 2WI	5424 ND 2WI
Job / Serial Num	-	2012358
Type	TYPE I ISLAND	TYPE I ISLAND
Hood length	72	62
Hood Width	48	54
Supply Plenum Type	-	
Supply Plenum Width	-	19.75"
Supply Plenum Length	-	62"

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	12x16
Filter Size 2	-	NA
Filter Qty 1	-	3
Filter Qty 2	-	NA
Filter AK factor size 1	-	1.16
Filters AK factor size 2	-	NA
Filter Total AK Area	-	3.84
Filter1 FPM	-	488
Filter2 FPM	-	467
Filter3 FPM	-	473
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	476
CFM	2100	1827

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

Test Data Supply		
	Design	**Actual**
Total AK Area	-	9.16
Kv factor (Vel)	-	0.94
Num of Readings	-	4
Reading1 FPM	-	195
Reading2 FPM	-	185
Reading3 FPM	-	188
Reading4 FPM	-	189
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	177
CFM	1050	1621

Completed By: JOASH ALBIN on 10/31/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	NA
Job / Serial Num	-	2012358
Type	-	TYPE I ISLAND
Hood length	48"	48"
Hood Width	48"	48"
Supply Plenum Type	-	
Supply Plenum Width	-	19.75"
Supply Plenum Length	-	47"

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	GREASE GRABBER
Filter Size 1	-	25"X25"
Filter Size 2	-	NA
Filter Qty 1	-	2
Filter Qty 2	-	NA
Filter AK factor size 1	-	4.34
Filters AK factor size 2	-	NA
Filter Total AK Area	-	8.68
Filter1 FPM	-	365
Filter2 FPM	-	352
Filter3 FPM	-	311
Filter4 FPM	-	385
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	353
CFM	1200	3064

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

Test Data Supply		
	Design	**Actual**
Total AK Area	-	9.16
Kv factor (Vel)	-	0.94
Num of Readings	-	4
Reading1 FPM	-	165
Reading2 FPM	-	134
Reading3 FPM	-	175
Reading4 FPM	-	164
Reading5 FPM	-	160
Reading6 FPM	-	169
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	157
CFM	-	1438

Completed By: JOASH ALBIN on 10/31/2023

National TAB

Project: 08-14-23 FOOD LION #2857 - ORANGEBURG, SC

System/Unit: Kitchen Hood Type I

Asset: HD3 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	NA
Job / Serial Num	-	2012358
Type	-	TYPE I ISLAND
Hood length	-	72"
Hood Width	-	54"
Supply Plenum Type	-	
Supply Plenum Width	-	19.75"
Supply Plenum Length	-	71"

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	
Filter Size 1	-	20"x16"
Filter Size 2	-	
Filter Qty 1	-	4
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1750	

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

Test Data Supply		
	Design	**Actual**
Total AK Area	-	9.16
Kv factor (Vel)	-	0.94
Num of Readings	-	4
Reading1 FPM	-	25
Reading2 FPM	-	45
Reading3 FPM	-	90
Reading4 FPM	-	118
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	65
CFM	875	598

Completed By: JOASH ALBIN on 10/31/2023

Notes:
UNIT NOT FUNCTIONING

Written By: JOASH ALBIN on 10/31/2023