

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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- RTU2
- SF1



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

Project Issue Information

Issue Name : EF1
Description : NOT OPERATIONAL
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB



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



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
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



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



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

Project Issue Information

Issue Name : EF6
 Description : NOT INSTALLED ON CURB.
 Created By : National TAB Assigned To : National TAB - Will Turnbough
 Status : Open
 Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

Project Issue File Details



EF6
01/31/2023



EF6-1
01/31/2023



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



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

Project Issue Information

Issue Name : HEF1
Description : Airflow is 1608 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
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

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

Project Issue File Details



**HEF2
01/31/2023**



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

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

Project Issue File Details



HEF3
01/31/2023



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

Project Issue Information

Issue Name : MUA1
Description : SPEED CONTROLLER IS NOT RESPONDING TO ADJUST AIRFLOW.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
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-DB

Description : OUTSIDE AIR HOOD IS NOT INSTALLED. UNIT IS NOT RUNNING.

Created By : National TAB

Assigned To : National TAB - Will Turnbough

Status : Open

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

Project Issue File Details



**RTUDB
01/31/2023**



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

Project Issue Information

Issue Name : RTU1
Description : OUTSIDE AIR INTAKE IS NOT INSTALLED. UNIT IS NOT RUNNING.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB



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

Project Issue Information

Issue Name : RTU2
Description : GRILLE 2-11 NOT INSTALLED. INITIAL AIRFLOW MEASURED AS 8067 CFM OUT OF DESIGN OF 9775 CFM. THE OUTSIDE AIR INTAKE IS BLOCKED OFF BY A PLATE.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB



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

Project Issue Information

Issue Name : SF1
Description : NOT INSTALLED
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Originated Date : 01/31/2023 - Antonio Flores-De La Cruz - National TAB

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

System/Unit: AHU/RTU



Asset: RTU1

AREA:SALES

Unit Data		
	Design	Actual
MFG	NA	NA
Serial Num	-	
Model Num	NA	NA
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
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	
SF RPM	-	
RA CFM	15940	
OA CFM	3360	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

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	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	

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

Notes:
NOT OPERATIONAL
OA DAMPER NOT INSTALLED

Written By: on

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					-
SGRD2	SALES	S3		650					-
SGRD3	SALES	S3		650					-
SGRD4	SALES	S3		650					-
SGRD5	SALES	S3		650					-
SGRD6	SALES	S3		650					-
SGRD7	SALES	S3		800					-
SGRD8	SALES	S2		500					-
SGRD9	SALES	S2		500					-
SGRD10	SALES	S2		500					-
SGRD11	SALES	S2		500					-
SGRD12	SALES	S2		500					-
SGRD13	SALES	S2		500					-
SGRD14	SALES	S2		500					-
SGRD15	SALES	S2		500					-
SGRD16	SALES	S2		500					-
SGRD17	SALES	S2		500					-
SGRD18	SALES	S2		500					-
SGRD19	SALES	S2		500					-
SGRD20	SALES	S2		500					-
SGRD21	SALES	S2		500					-
SGRD22	SALES	S2		500					-
SGRD23	SALES	S2		500					-
SGRD24	SALES	S2		500					-
SGRD25	SALES	S2		500					-
SGRD26	SALES	S2		500					-
SGRD27	SALES	S2		500					-
SGRD28	SALES	S2		500					-
SGRD29	SALES	S2		500					-
SGRD30	SALES	S2		500					-
SGRD31	SALES	S2		500					-
SGRD32	SALES	S2		500					-
SGRD33	MENS RR	S1		150					-
SGRD34	WOMENS RR	S1		150					-
SGRD35	RECEIVING	S5		600					-
SGRD36	RECEIVING	S5		600					-
SGRD37	RECEIVING	S5		600					-
Total				19300		0	0	0	0%

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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	-	

Test Data		
	Design	Actual
SF CFM	9775	
SF RPM	-	
RA CFM	8375	
OA CFM	1400	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

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

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

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

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

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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					-
SGRD2	VESTIBULE	S1		400					-
SGRD3	VESTIBULE	S1		400					-
SGRD4	SALES	S1		150					-
SGRD5	SALES	S1		150					-
SGRD6	SALES	S1		150					-
SGRD7	WORK ROOM	S1		150					-
SGRD8	WORK ROOM	S1		150					-
SGRD9	WORK ROOM	S1		300					-
SGRD10	LOUNGE	S1		300					-
SGRD11	LOUNGE	S1		300					-
SGRD12	LOUNGE	S1		200					-
SGRD13	LOUNGE	S1		200					-
SGRD14	SALES	S1		300					-
SGRD15	SALES	S1		300					-
SGRD16	MENS RR	S1		200					-
SGRD17	BABY CHANGING RM	S1		75					-
SGRD18	WOMENS RR	S1		150					-
SGRD19	SALES	S2		500					-
SGRD20	SALES	S2		500					-
SGRD21	SALES	S2		500					-
SGRD22	SALES	S2		500					-
SGRD23	SALES	S2		500					-
SGRD24	SALES	S2		500					-
SGRD25	SALES	S2		500					-
SGRD26	SALES	S2		500					-
SGRD27	SALES	S2		500					-
SGRD28	SALES	S2		500					-
SGRD29	PRODUCE PREP	S2		500					-
Total				9775		0	0	0	0%

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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	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	3000	
SF RPM	-	
RA CFM	2700	
OA CFM	300	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

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

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.60"	
Fan Total SP	-	

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

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

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					-
SGRD2	BAKERY	S4		600					-
SGRD3	BAKERY	S4		600					-
SGRD4	DELI	S4		600					-
SGRD5	DELI	S4		600					-
Total				3000		0	0	0	0%

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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	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.375"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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					-
EGRD2	WOMENS RR	E2	8"	225					-
Total				450		0	0	0	0%

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	-	

Notes:
 Not operational
 No speed controller

Written By: on

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	-	

Notes:
 NO DUCT RAN TO FAN
 Not operational
 No speed controller

Written By: on

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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	41
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	0.6
Total ESP	-	0.9704
Fan Inlet SP	-	-0.001
Fan Discharge SP	-	0.9703

Notes:

Possibly running backwards. Unable to stop fan to check rotation.

No speed controller

Unable to read volts

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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	97
Fan RPM	-	DD
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	-0.0156
Fan Discharge SP	-	

Notes:

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

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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

Written By: on

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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	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	1.0
Total ESP	0.375"	0.2847
Fan Inlet SP	-	-0.0047
Fan Discharge SP	-	0.28

Notes:

No speed controller
Unable to read volts

Written By: on

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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)	-	3
Service Factor	-	1.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD

Test Data		
	Design	Actual
CFM	2100	1608
Fan RPM	-	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
RL Voltage	-	119
RL Amperage	-	8.2
Suction ESP	-	-0.98
Discharge ESP	-	ATM
Total ESP	-	0.98

Notes:
AT MAX SPEED

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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)	-	-
Amperage (rated)	-	-
Service Factor	-	1.25

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.875"
Motor Bore Size	-	1.0625"
Motor Sheave SetPt	-	
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	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

Notes:
NOT OPERATIONAL

Written By: on

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	
Fan RPM	-	DD
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

Notes:
NOT OPERATIONAL

Written By: on

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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)	-	
Flame Status (pass/fail)	-	
Inlet Air Temp SetPt	-	
Discharge Air Temp SetPt	-	
Air Flow Switch SP Actual	-	

Test Data		
	Design	Actual
CFM	1925	
SF RPM	-	DD
Motor RPM	-	
RL Voltage	-	109
RL Amperage	-	2.7
Total ESP	-	
Fan Discharge SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	Yes

Notes:
NO OA HOOD
NOT OPERATIONAL

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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	-	
Filter Size 1	-	12x16
Filter Size 2	-	
Filter Qty 1	-	
Filter Qty 2	-	
Filter AK factor size 1	-	1.16
Filters AK factor size 2	-	
Filter Total AK Area	-	
Filter1 FPM	-	453
Filter2 FPM	-	406
Filter3 FPM	-	464
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	511
CFM	2100	1778

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

Test Data Supply		
	Design	Actual
Total AK Area	-	6.24
Kv factor (Vel)	-	
Num of Readings	-	4
Reading1 FPM	-	501
Reading2 FPM	-	393
Reading3 FPM	-	521
Reading4 FPM	-	515
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	1050	

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	-	
Filter Size 1	-	18"x19.5"
Filter Size 2	-	
Filter Qty 1	-	2
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	1200	

Cooking Equipment		
	Design	Actual
Item 1	-	Rotisserie
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	-	

Notes:
Fan not running

Written By: on

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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	-	
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	875	