

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU1

AREA:SALES AREA

Unit Data		
	Design	Actual
MFG	4 SEASONS	4 SEASONS
Serial Num	-	5784-1298729
Model Num	ISJE27-0322-DN4.012RC	ISJE27-0322-DN4.012RC
Type	-	RTU
Configuration	-	VERTICAL
Num Final Filter 1	-	12
Final Filter Size 1	-	15.5"X19.5"X3.75"

Motor Data		
	Design	Actual
Motor MFG	-	SUPER-E
Frame	-	256T
Horsepower	-	20
Motor Rpm	-	1760
Phase	-	3
Rated Voltage	-	200
Rated Amperage	-	55

Drive Data		
	Design	Actual
Motor Sheave Size	-	8.25"
Motor Bore Size	-	3.1875"
Motor Sheave SetPt	-	5TO
Fan Sheave Size	-	12.875"
Fan Sheave Bore	-	1.625"
Belt CL Distance	-	31"
Num of Belts	-	2
Belt Size	-	BX-90
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	10130	12326
SF RPM	-	1778
RA CFM	8130	9743
OA CFM	2000	2583
RL Voltage	-	213.3/212.9/213.1
RL Amperage	-	38.4/35.9/35.8
SF Rotation	-	CW
Min OA Damper Position	-	100% OPEN
Min OA Damper Type	-	OBD

Performance Data		
	Design	Actual
MA Plenum SP	-	0.12
Fan Suction SP	-	-1.24
Fan Discharge SP	-	0.62
Total ESP	-	0.74
Fan Total SP	-	1.86

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

Completed By: Wale Odofin

Notes: SHEAVE CHANGE NEEDED TO SLOW FAN DOWN COIL P.D. 00.29" EVAP COIL P.D. 0.62" FILTER D.P. 0.21"

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Project:01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU1/SALES AREA

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	VEL(1)	FINAL CFM	% to design
RTU1-SGRD1	BACK ROOM	DUCT	16x16	880	1.78	702	1250	142.0
RTU1-SGRD2	SALES	DUCT	36x24	5350	6.0	974	5844	109.2
RTU1-SGRD3	SALES	DUCT	36x24	4500	6.0	872	5232	116.3

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National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU2

AREA:SALES AREA

Unit Data		
	Design	Actual
MFG	4 SEASONS	4 SEASONS
Serial Num	-	5784-1298730
Model Num	2RC	ISJE27-0322-DN4.012RC
Type	-	RTU
Configuration	-	VERTICAL
Num Final Filter 1	-	12
Final Filter Size 1	-	15.5"X19.5"X3.75"

Motor Data		
	Design	Actual
Motor MFG	-	SUPER-E
Frame	-	256T
Horsepower	-	20
Motor Rpm	-	1760
Phase	-	3
Rated Voltage	-	200
Rated Amperage	-	55

Drive Data		
	Design	Actual
Motor Sheave Size	-	8.25"
Motor Bore Size	-	3.1875"
Motor Sheave SetPt	-	5TO
Fan Sheave Size	-	12.875"
Fan Sheave Bore	-	1.625"
Belt CL Distance	-	31"
Num of Belts	-	2
Belt Size	-	BX-90
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	11500	10210
SF RPM	-	1903
RA CFM	9500	8055
OA CFM	2000	2155
RL Voltage	-	212.8/213.9/214.0
RL Amperage	-	32/30.4/35.8
SF Rotation	-	CW
Min OA Damper Position	-	100% OPEN
Min OA Damper Type	-	OBD

Performance Data		
	Design	Actual
MA Plenum SP	-	0.13"
Fan Suction SP	-	-2.22"
Fan Discharge SP	-	0.28"
Total ESP	-	0.41"
Fan Total SP	-	2.50"

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

Completed By: Wale Odofin

Notes: NEEDS NEW FILTERS COIL PD: 0.29" EVAP COIL PD: 0.6" FILTER PD: 1.2"

National TAB

Project:01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU2/SALES AREA

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design	VEL(1)
SGRD1	BACK AREA	S1	NA	475			301	63.4	
SGRD2	BACK AREA	S1	NA	475			350	73.7	
SGRD3	PRODUCE PREP	S3	NA	500			438	87.6	
SGRD4	DELI	S7	NA	800			664	83.0	
SGRD5	DELI	S7	NA	800			622	77.8	
SGRD6	DELI	S7	NA	800			645	80.6	
SGRD7	DELI	S7	NA	100			652	652.0	
SGRD8	DELI	S7	NA	100			610	610.0	
SGRD9	SALES AREA	NOT ON DRAWING	NA				302	-	
SGRD10	SALES AREA	NOT ON DRAWING	NA				310	-	
SGRD11	SALES AREA	DUCT	36x24	6050					
SGRD12	VESTIBUL E	S1	NA				585	-	
SGRD13	VESTIBUL E	S1	NA	300			296	98.7	
SGRD14	WOMEN	S1	NA	100			51	51.0	
SGRD15	MEN	S1	NA	100			74	74.0	

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Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU3

AREA:MEZZANINE

Unit Data		
	Design	Actual
MFG	DAIKEN	DAIKEN
Serial Num	-	
Model Num	DSG048	DSG048
Type	RTU	
Configuration	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	1500	
SF RPM	-	
RA CFM	1500	
OA CFM	0	
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	-	

Completed By: Wale Odofin

Notes:

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Project:01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU3/MEZZANINE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	MEZZANIN E	S1	NA	300					-
SGRD2	MEZZANIN E	S1	NA	300					-
SGRD3	MEZZANIN E	S1	NA	300					-
SGRD4	MEZZANIN E	S1	NA	150					-
SGRD5	MEZZANIN E	S1	NA	150					-
SGRD6	MEZZANIN E	S1	NA	150					-
SGRD7	MEZZANIN E	S1	NA	150					-

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Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Supply



Comfort. Under control.

Asset: SF1

AREA:

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	NA	NA
Serial Num	-	BS5-14
Type	MUA	MUA
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MAGNETIC K
Frame	-	K48
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	5.4
Service Factor	-	1.35

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VL34
Motor Bore Size	-	0.5"
Fan Sheave Size	-	AK64
Fan Sheave Bore	-	1"
Belt CL Distance	-	12"
Num of Belts	-	1
Belt Size	-	AX36
Belt Alignment Verified	-	YES

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	
Flame Status (pass/fail)	-	
Inlet Air Temp SetPt	55	
Discharge Air Temp SetPt	60	
Air Flow Switch SP Actual	-	

Test Data		
	Design	Actual
CFM	700	
SF RPM	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Discharge SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	

Completed By: Wale Odofin

Notes: NOT OPERATIONAL

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA: LOUNGE

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	100C17DEC	100C17DEC
Serial Num	-	296SJ94060
Type	DOWNBLAST	DOWNBLAST
Configuration	-	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	-	1.0

Test Data		
	Design	Actual
CFM	300	484
Fan RPM	1192	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	NL
RL Voltage	-	125
RL Amperage	-	2.1
Total ESP	0.375"	-0.607"
Fan Inlet SP	-	-0.0607"
Fan Discharge SP	-	ATM

Completed By: Wale Odofin

Notes: NO SPEED CONTROLLER

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA:RR. EMP./JANITOR

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	100C17DEC	100C17DEC
Serial Num	-	296SJ94060
Type	DOWNBLAST	DOWNBLAST
Configuration	-	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	-	1.0

Test Data		
	Design	Actual
CFM	300	337
Fan RPM	1192	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	NL
RL Voltage	-	119
RL Amperage	-	2.3
Total ESP	0.375"	-0.431"
Fan Inlet SP	-	-0.431"
Fan Discharge SP	-	ATM

Completed By: Wale Odofin

Notes: NO SPEED CONTROLLER

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Project:01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF2/RR. EMP./JANITOR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	Janitors Sink	duct	10/10	225	1			256	113.8
EGRD2	Emp. RR		8	75				81	108.0

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Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF3

AREA:Customer RRs

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	90C17DEC	90C17DEC
Serial Num	-	296SJ94060
Type	DOWNBLAST	DOWNBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	COOK
Frame	-	NL
Horsepower	0.167	0.167
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	2.36
Service Factor	-	1.0

Test Data		
	Design	Actual
CFM	250	361
Fan RPM	1296	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	NL
RL Voltage	-	121.3
RL Amperage	-	1.2
Total ESP	0.375"	-0.389"
Fan Inlet SP	-	-0.389"
Fan Discharge SP	-	ATM

Completed By: Wale Odofin

Notes: NO SPEED CONTROLLER

National TAB

Project:01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF3/Customer RRs

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	Women	E2	8"	125	1			175	140.0
EGRD2	Men	E2	8"	125	1			186	148.8

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National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF6

AREA:MECH. ROOM

Unit Data		
	Design	Actual
MFG	PENN	PENN
Model Num	HS48	HS48LSU
Serial Num	-	050S5223270200105011098
Type	PROPELLER	PROPELLER
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	-	2535
Fan RPM	-	
Fan Rotation	-	CW
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	-0.021"
Discharge ESP	-	0.25"
Total ESP	-	0.271"

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

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	-	

Completed By: Wale Odofin

Notes: UNABLE TO READ MOTOR AND DRIVE DATA. CAN NOT FIT A LADDER BIG ENOUGH INTO ROOM

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: KH Fan1

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	PENN	PENN
Model Num	FX13BHFT	FX13BHFT
Serial Num	-	FX1353P
Type	WALL MTD.	CRE
Configuration	-	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	NL
Horsepower	-	0.5
Motor Rpm	-	1735
Phase	1	1
Voltage (rated)	120	208
Amperage (rated)	-	2.1
Service Factor	-	1.25

Drive Data		
	Design	Actual
Motor Sheave Size	-	VL40
Motor Bore Size	-	0.625"
Motor Sheave SetPt	-	0 TURNS
Fan Sheave Size	-	AK59
Fan Sheave Bore	-	1"
Belt CL Distance	-	5.5"
Num of Belts	-	1
Belt Size	-	AX23

Test Data		
	Design	Actual
CFM	1400	1441
Fan RPM	-	1130
Fan Rotation	-	CW
Motor RPM	-	1738
RL Voltage	-	208
RL Amperage	-	2.1
Suction ESP	-	-1.15
Discharge ESP	-	ATM
Total ESP	-	-1.15

Completed By: Wale Odofin

Notes:

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: KH Fan2

AREA:HOOD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	5261367
Type	WALL MTD.	CRE
Configuration	-	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	0.75	0.75
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	NL
Service Factor	-	1.0

Test Data		
	Design	Actual
CFM	1800	
Fan RPM	1375	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.0"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Completed By: Wale Odofin

Notes: NOT WIRED AT ROOF

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: TF1

AREA:WORKROOM

Unit Data		
	Design	Actual
MFG	S&P	S&P
Model Num	SQD1250	SQD1250
Serial Num	-	
Type	INLINE	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.5	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1400	
Fan RPM	1331	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.5"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Completed By: Wale Odofin

Notes:

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

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

Test Data Exhaust		
	Design	Actual
Filter Type	-	
Filter Size 1	-	20x20
Filter Qty 1	-	2
Filter AK factor size 1	-	2.21
Filter Total AK Area	-	4.42
Filter1 FPM	-	351
Filter2 FPM	-	301
Filter Ave FPM(corr)	-	326
CFM	1400	1441

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	

Completed By: Wale Odofin

Notes:

National TAB

Project: 01-23-23 FOOD LION #2823 - WINNSBORO, SC (REMODEL)

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:

Unit Data

	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Job / Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	

Test Data Exhaust

	Design	Actual
Filter Type	-	
Filter Size 1	-	
Filter Qty 1	-	
Filter AK factor size 1	-	
Filter Total AK Area	-	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter Ave FPM(corr)	-	
CFM	-	

Cooking Equipment

	Design	Actual
Item 1	-	
Item 2	-	

Completed By: Wale Odofin

Notes: EXHAUST FAN NOT WIRED