

Report By:

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



**Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 07/11/2023**

**PROJECT
03-27-23 FOOD LION #2830 - YORK, SC**

1095 BILBERT HWY

YORK, SC 29745

Client

TRS-SESCO LLC
721-A Park Centre Dr
Kernersville, NC 27284

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	12
FAN - Supply	18
Kitchen Hood Type I	19

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: AHU/RTU



Asset: RTU1

AREA:SALES

Unit Data		
	Design	Actual
MFG	SEASONS 4	SEASONS 4
Serial Num	-	-
Model Num	1PH11-0664-ES130-27HR	1PH11-0664-ES130-27HR
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	-	

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

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	-	

Test Data		
	Design	Actual
SF CFM	27000	
SF RPM	-	
RA CFM	2125	
OA CFM	5750	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

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	-	

National TAB

Project:03-27-23 FOOD LION #2830 - YORK, 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	EXIT VESTIBULE	S5		400		385			-
SGRD2	EXIT VESTIBULE	S5		400		378			-
SGRD3	EXIT VESTIBULE	S5		400		366			-
SGRD4	SALES	S2		800		0			-
SGRD5	SALES	S2		800		87			-
SGRD6	SALES	S2		800		256			-
SGRD7	SALES	S2		800		589			-
SGRD8	SALES	S2		800		400			-
SGRD9	SALES	S2		800		469			-
SGRD10	SALES	S2		800		513			-
SGRD11	SALES	S2		800		520			-
SGRD12	SALES	S2		800		430			-
SGRD13	SALES	S2		800		513			-
SGRD14	SALES	S2		800		457			-
SGRD15	SALES	S1				32			-
SGRD16	ABANDONED BAKERY PREP	S1		700		367			-
SGRD17	ABANDONED BAKERY PREP	S1		700		389			-
SGRD18	ABANDONED BAKERY PREP	S1		700		321			-
SGRD19	ABANDONED BAKERY PREP	S1		700		300			-
SGRD20	SALES	S2		700		0			-
SGRD21	SALES	S2		700		403			-
SGRD22	SALES	S2		700		400			-
SGRD23	SALES	S2		700		400			-
SGRD24	SALES	S2		700		435			-
SGRD25	SALES	S2		700		225			-
SGRD26	SALES	S2		700		425			-
SGRD27	SALES	S2		700		414			-
SGRD28	SALES	S2		670		430			-
SGRD29	SALES	S2		670		422			-
SGRD30	SALES	S2		670		423			-
SGRD31	SALES	S2		670		444			-
SGRD32	SALES	S2		670		483			-
SGRD33	SALES	S2		670		71			-
SGRD34	SALES	S2		670		459			-
SGRD35	SALES	S2		670		332			-
SGRD36	SALES	S2		670		348			-
SGRD37	SALES	S2		670		372			-
SGRD38	STORAGE	S1		130		169			-
SGRD39	STORAGE	S1		800		102			-
SGRD40	GROCERY STAGING/RECEIVING	S1		800		456			-
SGRD41	GROCERY STAGING/RECEIVING	S1		275		301			-
SGRD42	GROCERY STAGING/RECEIVING	S1		275		290			-
SGRD43	MENS RESTROOMS	S1		190		85			-
SGRD44	WOMENS RESTROOMS	S1		230		267			-
Total				27800		14928	0	0	0%

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: AHU/RTU



Asset: RTU2

AREA:DEPT. MANAGER /LOUNGE

Unit Data		
	Design	Actual
MFG	CARRIE	CARRIE
Serial Num	-	1197C4010A
Model Num	50HS-024	50HS-024---311
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	700	
SF RPM	-	
RA CFM	-	
OA CFM	-	
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	1	
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	-	

National TAB

Project:03-27-23 FOOD LION #2830 - YORK, SC

AHU/RTU



Diffuser Supply (GRD)

RTU2/DEPT. MANAGER /LOUNGE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	LOUNGE	S1		220	1	125			-
SGRD2	DEPT. MANAGER OFFICE	S1		240	1	145			-
SGRD3	DEPT. MANAGER OFFICE	S1		240	1	90			-
Total				700		360	0	0	0%

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: AHU/RTU



Asset: RTU3

AREA:FRONT OFFICES

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50VT-C24	50VT-C24
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	700	
SF RPM	-	
RA CFM	-	
OA CFM	-	
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	1	
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	-	

National TAB

Project:03-27-23 FOOD LION #2830 - YORK, SC

AHU/RTU



Diffuser Supply (GRD)

RTU3/Front OFFICES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	CORRIDOR #3	S1		40	1	0	43	43	107.5
SGRD2	ABONDONED PHARMACY	S1		185	1	207	189	189	102.2
SGRD3	ABONDONED PHARMACY				1				
SGRD4	ABONDONED PHARMACY				1				
SGRD5	STORE MANAGERS OFFICE	S1		110	1	90	115	115	104.5
SGRD6	ASSOCIATES TRAINING ROOM	S1		40	1	141	41	41	102.5
SGRD7	ASSOCIATES TRAINING ROOM	S1		180	1	190	190	190	105.6
SGRD8	PHARMACY OFFICE	S1		145	1	131	139	139	95.9
Total				700		759	717	717	102.43%

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: AHU/RTU



Asset: RTU-DB4

AREA:DELI/BAKERY

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	TSC060	TSC060
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	2000	
SF RPM	-	
RA CFM	1800	
OA CFM	200	
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	1.0	
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	-	

Completed By: JOASH ALBIN on 03/30/2023

National TAB

Project:03-27-23 FOOD LION #2830 - YORK, SC

AHU/RTU



Diffuser Supply (GRD)

RTU-DB4/DELI/BAKERY

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DELI/BAKERY PREP	S3		500					-
SGRD2	DELI/BAKERY PREP	S3		500					-
SGRD3	DELI/BAKERY PREP	S3		500					-
SGRD4	DELI/BAKERY PREP	S3		500					-
Total				2000		0	0	0	0%

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOMS

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

Test Data		
	Design	Actual
CFM	750	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	

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

Completed By: JOASH ALBIN on 03/30/2023

National TAB

Project:03-27-23 FOOD LION #2830 - YORK, SC

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MENS RESTROOM	E1		375					-
EGRD2	WOMENS RESTROOMS	E1		375					-
Total				750		0	0	0	0%

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: FAN - Exhaust



Asset: EF2

AREA:RACK OVEN

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	VCRD150	VCRD150
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.33	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
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	-	

Test Data		
	Design	Actual
CFM	750	
Fan RPM	1326	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.75"	

Notes:
CUREENTLY

Written By: on

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: FAN - Exhaust



Asset: EF3

AREA: LOUNGE

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	100C17DEC	100C17DEC
Serial Num	-	
Type	DOWNBLAST	
Configuration	VERTICAL	

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

Test Data		
	Design	Actual
CFM	300	
Fan RPM	1205	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.375"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: FAN - Exhaust



Asset: EF4

AREA: JANITOR AREA

Unit Data		
	Design	Actual
MFG	COOK	COOK
Model Num	100C17DEC	100C17DEC
Serial Num	-	
Type	DOWNBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.25"	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	200	
Fan RPM	1205	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.375"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: FAN - Exhaust



Asset: HEF1

AREA:DELI HOOD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	
Type	UBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2	
Motor Rpm	-	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	3300	
Fan RPM	1284	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.2"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Completed By: JOASH ALBIN on 03/30/2023

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: FAN - Supply



Asset: SF1

AREA:DELI HOOD

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A1-15D	A1-15D
Serial Num	-	
Type	MUA	
Configuration	HORIZONTAL	

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

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

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	2100	
SF RPM	1897	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Discharge SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	

Completed By: JOASH ALBIN on 03/30/2023

National TAB

Project: 03-27-23 FOOD LION #2830 - YORK, SC

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	MARHSALL	MARHSALL
Model Num	NA	NA
Job / Serial Num	-	
Type	TYPE I	
Hood length	132	
Hood Width	54	
Supply Plenum Type	-	
Supply Plenum Width	-	
Supply Plenum Length	-	

Test Data Exhaust		
	Design	Actual
Filter Type	-	
Filter Size 1	-	
Filter Size 2	-	
Filter Qty 1	-	
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	3300	

Cooking Equipment		
	Design	Actual
Item 1	-	
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	2100	

Completed By: JOASH ALBIN on 03/30/2023