

National TAB

Project: 02-03-25 WAWA #5804 FAIRHOPE, AL

System/Unit: AHU/RTU



Asset: RTU1

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624H04580
Model Num	LCT102H4E	LCT102H4EG1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	24X16
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	EBMPAPST
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	3400	3495
SF RPM	-	1540
MOTOR RPM	-	1540
RA CFM	2900	2977
OA CFM	500	518
RL Voltage	-	209/209/208
RL Amperage	-	6.4/6.5/6.5
SF System SetPt	-	68%
RA Damper Position	-	76%
OA Damper Position	-	24%
OA Damper Type	-	OPPOSED BLADE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.53"
Fan Suction SP	-	-0.95"
Fan Discharge SP	-	0.31"
Total ESP	0.5"	0.84"
Fan Total SP	-	1.26"

Completed By: Oscar Ventura on 02/05/2025

Unit Data - PHOTO LOG



02/04/2025

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Project:02-03-25 WAWA #5804 FAIRHOPE, AL

AHU/RTU



Diffuser Supply (GRD)

RTU1/RETAIL

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	RETAIL	LD1	10"	310	1	549	432	302	97.4
SGRD2	RETAIL	LD1	10"	300	1	599	451	307	102.3
SGRD3	RETAIL	LD1	10"	300	1	628	525	310	103.3
SGRD4	RETAIL	LD1	10"	300	1	604	502	314	104.7
SGRD5	RETAIL	LD1	10"	300	1	647	516	312	104.0
SGRD6	ASSOCIATES	CD1	8"	150	1	238	175	159	106.0
SGRD7	OFFICE	CD1	8"	150	1	204	163	154	102.7
SGRD8	RETAIL	LD1	10"	310	1	336	332	319	102.9
SGRD9	RETAIL	LD1	10"	285	1	391	252	292	102.5
SGRD10	DELIVERY VESTIBULE	CD1	8"	200	1	319	234	211	105.5
SGRD11	RETAIL	LD1	10"	285	1	339	247	294	103.2
SGRD12	RETAIL	LD1	10"	285	1	298	155	288	101.1
SGRD13	WOMENS RR	CD3	6"	50	1	77	68	53	106.0
SGRD14	REAR VESTIBULE	CD3	6"	100	1	159	109	102	102.0
SGRD15	MENS RR	CD3	6"	75	1	104	86	78	104.0
Total				3400		5492	4247	3495	102.79%

Completed By: Oscar Ventura on 02/04/2025

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Project: 02-03-25 WAWA #5804 FAIRHOPE, AL

System/Unit: AHU/RTU



Asset: RTU2

AREA:FOOD SERVICE

Unit Data		
	Design	Actual
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624HO4161
Model Num	LCT150H4E	LCT150H4EG1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	24X16
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	EBMPAPST
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	5000	5139
SF RPM	-	1937
MOTOR RPM	-	1937
RA CFM	4350	4521
OA CFM	650	618
RL Voltage	-	208/208/209
RL Amperage	-	6.3/6.2/6.2
SF System SetPt	-	88%
RA Damper Position	-	85%
OA Damper Position	-	15%
OA Damper Type	-	OPPOSED BLADE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.65"
Fan Suction SP	-	-1.08"
Fan Discharge SP	-	0.62"
Total ESP	0.5"	1.27"
Fan Total SP	-	1.70"

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Unit Data - PHOTO LOG



02/04/2025

National TAB

Project:02-03-25 WAWA #5804 FAIRHOPE, AL

AHU/RTU



Diffuser Supply (GRD)

RTU2/FOOD SERVICE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	FOOD SERVICE	LD1	12"	500	1	628	584	521	104.2
SGRD2	FOOD SERVICE	LD1	12"	500	1	619	562	508	101.6
SGRD3	FOOD SERVICE	LD1	12"	500	1	564	535	502	100.4
SGRD4	FOOD SERVICE	LD1	12"	500	1	587	547	511	102.2
SGRD5	FOOD SERVICE	LD1	12"	500	1	592	569	505	101.0
SGRD6	FOOD SERVICE	LD1	12"	500	1	580	556	509	101.8
SGRD7	FOOD SERVICE	CD1	12"	500	1	587	550	506	101.2
SGRD8	FOOD SERVICE	CD1	12"	375	1	492	438	388	103.5
SGRD9	WASHROOM	CD1	12"	500	1	566	551	529	105.8
SGRD10	STAGING	CD1	6"	75	1	93	82	79	105.3
SGRD11	ELECTRICAL ROOM	CD1	12"	550	1	408	394	581	105.6
Total				5000		5716	5368	5139	102.78%

Completed By: Oscar Ventura on 02/04/2025

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Project: 02-03-25 WAWA #5804 FAIRHOPE, AL

System/Unit: AHU/RTU



Asset: RTU3

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624H04156
Model Num	LCT092H4E	LCT092H4EG1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	24X16
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Test Data		
	Design	Actual
SF CFM	3000	3098
SF RPM	-	1562
MOTOR RPM	-	1562
RA CFM	2700	2784
OA CFM	300	314
RL Voltage	-	208/208/209
RL Amperage	-	6.8/6.7/6.7
SF System SetPt	-	71%
RA Damper Position	-	78%
OA Damper Position	-	22%
OA Damper Type	-	OPPOSED BLADE

Motor Data		
	Design	Actual
Motor MFG	-	EBMPAPST
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.46"
Fan Suction SP	-	-0.72"
Fan Discharge SP	-	1.12"
Total ESP	0.5"	1.58"
Fan Total SP	-	1.84"

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE

Completed By: Oscar Ventura on 02/05/2025

Unit Data - PHOTO LOG



02/04/2025

National TAB

Project:02-03-25 WAWA #5804 FAIRHOPE, AL

AHU/RTU



Diffuser Supply (GRD)

RTU3/RETAIL

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	FRONT VESTIBULE	LD1	10"	500	1	672	648	533	106.6
SGRD2	RETAIL	LD1	10"	350	1	582	573	365	104.3
SGRD3	RETAIL	LD1	10"	300	1	469	441	314	104.7
SGRD4	COFFEE/SPECIALTY BEVERAGE	LD1	10"	300	1	362	317	309	103.0
SGRD5	COFFEE/SPECIALTY BEVERAGE	LD1	10"	300	1	409	388	306	102.0
SGRD6	COFFEE/SPECIALTY BEVERAGE	LD1	10"	300	1	445	406	311	103.7
SGRD7	RETAIL	LD1	10"	300	1	122	104	301	100.3
SGRD8	RETAIL	LD1	10"	300	1	183	141	302	100.7
SGRD9	RETAIL	LD1	10"	350	1	171	148	357	102.0
Total				3000		3415	3166	3098	103.27%

Completed By: Oscar Ventura on 02/05/2025

National TAB

Project: 02-03-25 WAWA #5804 FAIRHOPE, AL

System/Unit: FAN - Exhaust



Asset: EF1

AREA:FOOD SERVICE

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	G-120	G-120-4-VG-19-X
Serial Num	-	2S4S9467
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	850	880
Fan RPM	1038	SPEED DIAL
Fan Rotation	-	CW
Motor RPM	-	SPEED DIAL
System SetPt	-	HIGH
RL Voltage	-	121
RL Amperage	-	2.3
Total ESP	0.375"	0.31"
Fan Inlet SP	-	-0.31"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	1/4	1/4
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	3.5
Service Factor	-	NL

Completed By: Oscar Ventura on 02/05/2025

Unit Data - PHOTO LOG



02/04/2025

National TAB

Project:02-03-25 WAWA #5804 FAIRHOPE, AL

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/FOOD SERVICE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE	G1	10"	200	1	328	251	209	104.5
EGRD2	FOOD SERVICE	G1	10"	200	1	312	247	207	103.5
EGRD3	FOOD SERVICE	G1	10"	200	1	284	226	202	101.0
EGRD4	STAGING	G1	10"	100	1	186	142	103	103.0
EGRD5	MENS RR	G3	6"	50	1	119	101	53	106.0
EGRD6	WOMENS RR	G3	6"	100	1	139	109	106	106.0
Total				850		1368	1076	880	103.53%

Completed By: Oscar Ventura on 02/04/2025

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Project: 02-03-25 WAWA #5804 FAIRHOPE, AL

System/Unit: FAN - Exhaust



Asset: EF2

AREA:WATER SERVICE ROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	CSP-B110	CSP-B110
Serial Num	-	-
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Test Data		
	Design	Actual
CFM	60	58
Fan RPM	584	(1)
Fan Rotation	-	NL
Motor RPM	-	(1)
System SetPt	-	(1)
RL Voltage	-	120
RL Amperage	-	(1)
Total ESP	0.125"	0.10"
Fan Inlet SP	-	-0.10"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	21W	NL
Motor Rpm	-	(1)
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	(1)
Service Factor	-	NL

Completed By: Oscar Ventura on 02/05/2025

Notes:
 (1). MOTOR DATA IS NOT ACCESSIBLE. MOTOR IS ENCLOSED IN METAL CASING.

Written By: Oscar Ventura on 02/05/2025

Unit Data - PHOTO LOG



02/05/2025