Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 07/01/2025

Completed By: National TAB

PROJECT

06-23-25 WAWA #6112 FAYETTVILLE, NC

3611 RAEFORD ROAD

FAYETTVILLE, NC 28304

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 06-23-25 WAWA #6112 FAYETTVILLE, NC

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Project: 06-23-25 WAWA #6112 FAYETTVILLE, NC

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624J02939
Model Num	LGT120H4E	LGT120H4ES1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14X24
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25

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

Drive Data	
	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

Test Data		
	Design	**Actual**
SF CFM	3600	3548
SF RPM	-	1034
MOTOR RPM	-	DD/63%
RA CFM	2900	2831
OA CFM	700	717
RL Voltage	-	215/216/215
RL Amperage	-	5.9/5.9/5.8
SF System SetPt	-	63%
RA Damper Position	-	78%
OA Damper Position	-	22%
OA Damper Type	-	ECON

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.10"
Fan Suction SP	-	-0.28"
Fan Discharge SP	-	0.27"
Total ESP	1.00"	0.55"
Fan Total SP	-	0.37"

Completed By: Jearod Ferrette on 06/24/2025

Notes:
The RTU was designed to deliver 2,900 CFM in return, but a flow hood reading came in low at 1,960 CFM. To eliminate any outside air influence, the OA damper was set to 0%, simulating 100% return. When the return duct was traversed, airflow measured 2,432 CFM much closer to spec. The unit was thoroughly checked, no leaks were found at the drops, it’s firmly seated, and the return trunk line is sealed tight with no visible openings. Despite everything looking good, the airflow still falls a bit sh

Written By: Jearod Ferrette on 06/25/2025

Unit Data - PHOTO LOG

06/24/2025

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Project:06-23-25 WAWA #6112 FAYETTVILLE, NC

AHU/RTU

Diffuser Supply (GRD)

RTU1/DINING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	TRASH/STAGING	SD1	TRASH/STAGING	200	1	150		198	99.0
SGRD2	BOH	SD4	10"	325	1	280		320	98.5
SGRD3	BOH	SD4	10"	300	1	357		297	99.0
SGRD4	SPEICALTY BEVERAGE	SD4	10"	300	1	318		291	97.0
SGRD5	BOH	SD4	10"	300	1	366		291	97.0
SGRD6	BOH	SD4	10"	325	1	295		319	98.2
SGRD7	BOH	SD4	10"	300	1	420		301	100.3
SGRD8	BOH	SD4	10"	300	1	391		301	100.3
SGRD9	BOH	SD4	10"	325	1	355		317	97.5
SGRD10	BOH	SD4	10"	300	1	419		293	97.7
SGRD11	BOH	SD4	10"	300	1	452		301	100.3
SGRD12	ELECTRICAL ROOM	SD1	10"	325	1	264	3551	319	98.2
Total				3600		4067	3551	3548	98.56%

Diffuser Ret/Exh (GRD)

RTU1/DINING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	WASHROOM	RG1	14X14	1100	1	518	521	600	54.5
EGRD2	BEVERAGE	RG1	14X14	900	1	604	462	733	81.4
EGRD3	BEVERAGE	RG1	14X14	900	1	515	452	627	69.7
Total				2900		1637	1435	1960	67.59%

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Project: 06-23-25 WAWA #6112 FAYETTVILLE, NC

System/Unit: AHU/RTU

Asset: RTU2 AREA:RETAIL

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624J02949
Model Num	LGT120H4E	LGT120H4ES1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14X24
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25

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

Drive Data	
	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

Test Data		
	Design	**Actual**
SF CFM	3250	3207
SF RPM	-	946
MOTOR RPM	-	DD/43%
RA CFM	2870	2830
OA CFM	380	377
RL Voltage	-	216/215/215
RL Amperage	-	5.8/5.9/5.8
SF System SetPt	-	43%
RA Damper Position	-	73%
OA Damper Position	-	27%
OA Damper Type	-	ECON

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.05"
Fan Suction SP	-	-0.23"
Fan Discharge SP	-	0.32"
Total ESP	1.00"	0.55"
Fan Total SP	-	0.37"

Completed By: Jearod Ferrette on 06/24/2025

Unit Data - PHOTO LOG

06/24/2025

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Project:06-23-25 WAWA #6112 FAYETTVILLE, NC

AHU/RTU

Diffuser Supply (GRD)

RTU2/RETAIL

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	RETAIL	SD2	12"	300	0.39	276		298	99.3
SGRD2	RETAIL	SD2	12"	275	0.39	273		273	99.3
SGRD3	RETAIL	SD2	16"	275	0.39	106		276	100.4
SGRD4	RETAIL	SD2	16"	300	0.39	326		298	99.3
SGRD5	RETAIL	SD2	18"	300	0.39	335		297	99.0
SGRD6	RETAIL	SD2	18"	275	0.39	329		273	99.3
SGRD7	RETAIL	SD2	18"	300	0.39	324		295	98.3
SGRD8	RETAIL	SD2	14"	275	0.39	258		268	97.5
SGRD9	RETAIL	SD2	14"	275	0.39	244		270	98.2
SGRD10	DELIVERY ROOM	SD2	8"	250	1	134		247	98.8
SGRD11	MENS RR	SD2	8"	150	1	197		148	98.7
SGRD12	VESTIBLE		8"	100	1	110		98	98.0
SGRD13	HALLWAY	SD1	8"	100	1	112		98	98.0
SGRD14	WOMENS RR	SD5	8"	75	1	107		68	90.7
Total				3250		3131	0	3207	98.68%

National TAB

Project: 06-23-25 WAWA #6112 FAYETTVILLE, NC

System/Unit: AHU/RTU

Asset: RTU3 AREA:RETAIL/OFFICE

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L00834
Model Num	LGT060H4E	LGT060H4EB1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	14.5X28.25
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	1	1.5
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	NL
Service Factor	-	NL

Drive Data	
	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

Test Data		
	Design	**Actual**
SF CFM	2000	2010
SF RPM	-	2112
MOTOR RPM	-	DD/64%
RA CFM	1800	1806
OA CFM	200	204
RL Voltage	-	215/216/215
RL Amperage	-	3.3/3.2/3.2
SF System SetPt	-	64%
RA Damper Position	-	73%
OA Damper Position	-	27%
OA Damper Type	-	ECON

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.14
Fan Suction SP	-	-0.36"
Fan Discharge SP	-	0.45"
Total ESP	1.00"	0.81"
Fan Total SP	-	0.59"

Completed By: Jearod Ferrette on 06/24/2025

Notes:
SD-5 3-5 Damper out of reach, unable to lower.

Written By: Jearod Ferrette on 06/24/2025

Unit Data - PHOTO LOG

06/24/2025

National TAB

Project:06-23-25 WAWA #6112 FAYETTVILLE, NC

AHU/RTU

Diffuser Supply (GRD)

RTU3/RETAIL/OFFICE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	RETAIL	SD2	12"	375	0.39	432	358	368	98.1
SGRD2	RETAIL	SD2	14"	375	0.39	537	445	366	97.6
SGRD3	RETAIL	SD2	14"	375	0.39	510	423	367	97.9
SGRD4	RETAIL	SD2	16"	375	0.39	152	126	364	97.1
SGRD5	VESTIBLE	SD1	8"	200	1	270	224	250	125.0
SGRD6	OFFICE	SD1	8"	150	1	167	138	148	98.7
SGRD7	OFFICE	SD1	8"	150	1	273	226	147	98.0
Total				2000		2341	1940	2010	100.5%

Completed By: Jearod Ferrette on 06/24/2025

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Project: 06-23-25 WAWA #6112 FAYETTVILLE, NC

System/Unit: FAN - Exhaust

Asset: EF1 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GB-08-6	GB-08-6
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Y
Horsepower	1/6	1/6
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.6
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	375	388
Fan RPM	1334	1123
Fan Rotation	-	CW
Motor RPM	-	1725
System SetPt	-	3 TURNS OUT
RL Voltage	-	120
RL Amperage	-	NA
Total ESP	.375"	0.26"
Fan Inlet SP	-	-0.26
Fan Discharge SP	-	ATMO

Completed By: Jearod Ferrette on 06/24/2025

Notes:
Center Line: 5"
Motor Bore: 3/8
Motor Sheave: VP25
Fan Bore:3/4
Fan Sheave: AK34X3/4
Belt (1) 3L-180

Written By: Jearod Ferrette on 06/23/2025

Unit Data - PHOTO LOG

06/24/2025

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Project:06-23-25 WAWA #6112 FAYETTVILLE, NC

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	RESTROOMS	EG1	8X8	225	1	195		195	86.7
EGRD2	RESTROOMS	EG1	8X8	150	1	193		193	128.7
Total				375		388	0	388	103.47%

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Project: 06-23-25 WAWA #6112 FAYETTVILLE, NC

System/Unit: FAN - Exhaust

Asset: EF2 AREA:BACK OF HOUSE

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48Y
Horsepower	1/6	1/6
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.6
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	400	410
Fan RPM	1334	1902
Fan Rotation	-	cw
Motor RPM	-	1769
System SetPt	-	3.5 turns out
RL Voltage	-	118
RL Amperage	-	NA
Total ESP	.375"	0.35"
Fan Inlet SP	-	-0.35"
Fan Discharge SP	-	ATMO

Completed By: Jearod Ferrette on 06/24/2025

Notes:
Center Line: 5"
Motor Bore: 3/8
Motor Sheave: VP25
Fan Bore:3/4
Fan Sheave: AK34X3/4
Belt (1) 3L-180

Written By: Jearod Ferrette on 06/23/2025

Unit Data - PHOTO LOG

06/24/2025

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Project:06-23-25 WAWA #6112 FAYETTVILLE, NC

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF2/BACK OF HOUSE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	BOH	RG2	8X8	200	1	205		183	91.5
EGRD2	BOH	RG2	8X8	200	1	270		227	113.5
Total				400		475	0	410	102.5%

National TAB

Project: 06-23-25 WAWA #6112 FAYETTVILLE, NC

System/Unit: FAN - Exhaust

Asset: EF3 AREA:TRASHROOM

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	SP-B200	SP-B200
Serial Num	-	193844723-0066
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.7
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	200	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	.50"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Notes:
NOT WIRED, NO SPEED CONTROLLER

Written By: Jearod Ferrette on 06/24/2025

Unit Data - PHOTO LOG

06/24/2025