

Report By:

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Report: TAB Report
Function: Test, Adjust, & Balance
Date: 12/17/2025
Completed By: National TAB

PROJECT

12-08-25 WAWA #8695 WOODFORD, VA

5230 MUDD TAVERN ROAD

WOODFORD, VA 22551

Client

Wawa
260 West Baltimore Pike
Wawa, PA 19063

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

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National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA
Function: Test, Adjust, & Balance

Project Summary

Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

RTU's (Roof Top Units) w/ Diffusers

Each of the RTU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that tolerance is noted throughout the report.

General Exhaust Fans w/ Grilles

The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. Any equipment that fell outside of this tolerance is noted throughout the report.

Ceiling Exhaust Fans

The ceiling exhaust fans were measured using a flow hood. If speed adjustment was provided, the fan speed was adjusted to within design tolerance. Any equipment that fell outside of this tolerance is noted throughout the report.

Final Building Tests

After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report

Issue List

- EF-1 and EF-2 Rooftop Placement
- EF-2 Duct Drop Size
- EF-2 Motor and Grilles
- EF-2: Improper riser installation
- EF-2: Low total exhaust
- EF-3 Fan Speed
- EF-3: High total exhaust
- RTU-2 Alarms
- RTU-3 Unit Disconnect
- RTU1: CORE board input



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Project Issue Information

Issue Name : EF-1 and EF-2 Rooftop Placement
Description : EF-1 and EF-2 are not on the correct curbs. EF-1 is on the curb for EF-2, and vice versa. "EF-2" is serving the restrooms, which are currently at the correct setpoint. "EF-1" is currently servicing Food Service and Back of House, and is set to max fan speed. If fans are swapped to correct curbs, both servicing areas will need rebalancing.

Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Closed
Priority : Low **Asset Tag :**
Originated Date : 12/12/2025 - John Barresi - National TAB



12-08-25 WAWA #8695 WOODFORD, VA

Project Issue Information

Issue Name : EF-2 Duct Drop Size
Description : Duct drop for EF-2 needs a size increase per the Change Initiative. Duct is currently 10"X10", increase to 12"X12" needed.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Closed
Priority : High **Asset Tag :**
Originated Date : 12/12/2025 - John Barresi - National TAB



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Project Issue Information

Issue Name : EF-2 Motor and Grilles
Description : EF-2 has an extra exhaust grille in comparison to GRD given. Updated Change Initiative confirms that current setup at location is correct. Motor/fan setup that is currently installed cannot reach required CFM values.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Closed
Priority : High **Asset Tag :**
Originated Date : 12/12/2025 - John Barresi - National TAB



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Project Issue Information

Issue Name : EF-2: Improper riser installation
Description : Riser for EF2 is set on top of the roof. 12x12" duct needs to be extended to the top of the curb. Flange needs to be sealed with the top of the curb.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Urgent **Asset Tag :**
Originated Date : 02/16/2026 - Cody Mauro - National TAB

Project Issue File Details



02/16/2026



02/16/2026



12-08-25 WAWA #8695 WOODFORD, VA

Project Issue Information

Issue Name : EF-2: Low total exhaust
Description : Total exhaust ~80% of design due to improper riser seating on rooftop.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : High **Asset Tag :**
Originated Date : 02/16/2026 - Cody Mauro - National TAB

Project Issue File Details



02/16/2026



12-08-25 WAWA #8695 WOODFORD, VA

Project Issue Information

Issue Name : EF-3 Fan Speed
Description : Unit is not equipped with a fan speed controller, currently running at max speed.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Closed
Priority : [Medium](#) **Asset Tag :**
Originated Date : 12/19/2025 - John Barresi - National TAB

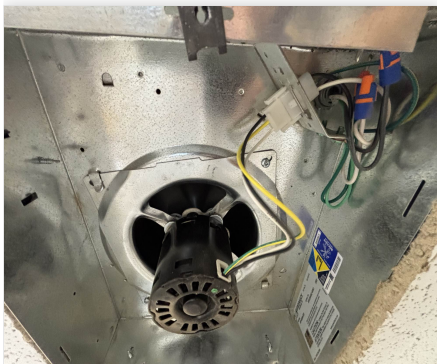


12-08-25 WAWA #8695 WOODFORD, VA

Project Issue Information

Issue Name : EF-3: High total exhaust
Description : EF3 total exhaust ~15% high of design. Single phase motor, wired at high speed.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Low **Asset Tag :**
Originated Date : 02/16/2026 - Cody Mauro - National TAB

Project Issue File Details



02/16/2026

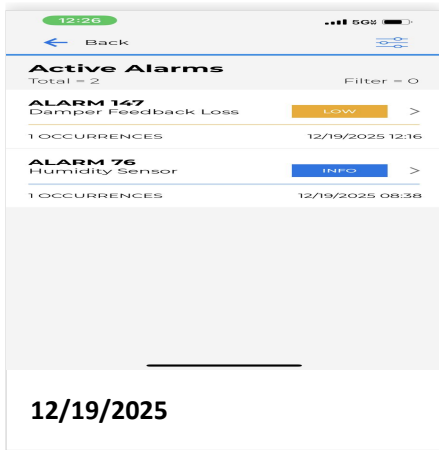


12-08-25 WAWA #8695 WOODFORD, VA

Project Issue Information

Issue Name : RTU-2 Alarms
Description : Unit is presenting Alarm 147, 76
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Closed
Priority : Low **Asset Tag :**
Originated Date : 12/19/2025 - John Barresi - National TAB

Project Issue File Details





12-08-25 WAWA #8695 WOODFORD, VA

Project Issue Information

Issue Name : RTU-3 Unit Disconnect
Description : Unit disconnect switch cover is misaligned, unable to access/use switch unless cover is taken off.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Closed
Priority : Low **Asset Tag :**
Originated Date : 12/12/2025 - John Barresi - National TAB

Project Issue File Details



12/19/2025



12/19/2025



12/19/2025

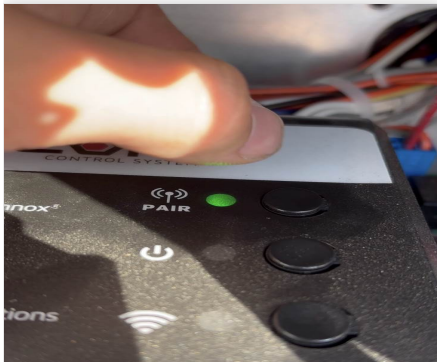


12-08-25 WAWA #8695 WOODFORD, VA

Project Issue Information

Issue Name : RTU1: CORE board input
Description : The CORE Prodigy board's Bluetooth pairing button is not functional, cannot connect to unit with the CORE app.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Low **Asset Tag :**
Originated Date : 02/16/2026 - Cody Mauro - National TAB

Project Issue File Details



02/16/2026

AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-1	FOOD SERVICE	4500	4595	3800	3882	700	713	15.6%	15.5%						
RTU-2	RETAIL	3400	3348	3020	2617	380	731	11.2%	21.8%						
RTU-3	FOH	2400	2399	2200	1920	200	479	8.3%	20.0%						
EF-1	RESTROOM													375	391
EF-2	BOH													400	480
EF-3	TRASH													200	230
TOTALS		10300	10342	9020	8419	1280	1923			0	0	0	0	975	1101

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1280	1923
TOTAL EXHAUST	975	1101
NET AIRFLOW	305	822

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.006
SIDE	0.005
REAR	0.003
AVERAGE	0.0047

FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

- PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✓

NOTES:

EF-2 has wrong motor according to new Change Initiative (CI). Supposed to reach 1100 TOTAL CFM.
EF-3 has no speed controller installed, unable to decrease fan speed from MAX.

CheckList List

- 01: RTU's/AHU's
- 02: LENNOX SETUP PARAMETERS
- 03: SENSOR WIRING (LENNOX)
- 04: EF'S
- 05: CLOSEOUT CHECKS



12-08-25 WAWA #8695 WOODFORD, VA

CheckList Information

Name : 01: RTU's/AHU's **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 11/25/2025 - Natasha Louw - National TAB

CheckList Item Details

RTU's/AHU's

All diffusers and grilles are installed and match design? Pass

Comment:

Clean filters installed? Pass

Comment:

Economizers are assembled and functional? Pass

Comment:

Motors are all operating below the FLA rating? Pass

Comment:

Are belts tight? N/A

Comment:

If direct drive unit is the speed controller working? Pass

Comment:

Is gas piping installed and valves turned on? N/A

Comment:

Units equipped with electric heating.

Condensate drains are installed?

Pass

Comment:

Unit free of noticeable noise and vibration

Pass

Comment:

Final outside air damper position is marked with permanent marker?

Pass

Comment:

No alarms present?

Pass

Comment:

Any noticeable duct leakage?

Pass

Comment:

Total supply and OA flows are balanced within +/-5% and supply & return diffusers within +/-10%?

Pass

Comment:

Adjust side wall diffusers on spiral duct that blow towards the coffee island drop-in to prevent issues with it staying at temperature. Fan out of the deflector blades or reduce airflow as necessary to prevent drafting.

Pass

Comment:

IN TEST MODE, TEST THE FOLLOWING:

Cooling mode is operational? Record EAT/LAT for each unit:

Pass

Comment:

RTU-1 EAT 66F LAT 55F RTU-2 EAT 67F LAT 58F RTU-3 EAT 67F LAT 47F

Heating mode is operational? Record EAT/LAT for each unit:

Pass

Comment:

RTU-1 EAT N/A LAT N/A RTU-2 EAT 69F LAT 83F RTU-3 EAT 67F LAT 101F

Dehumidification mode is operational? (Feel dehumidification coil with your hand. Is it hot?) Record EAT/LAT for each unit:

Pass

Comment:

RTU-1 EAT 63F LAT 64F RTU-2 EAT 69F LAT 63F RTU-3 EAT 67F LAT 69F



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CheckList Information

Name : 02: LENNOX SETUP PARAMETERS **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 11/25/2025 - Natasha Louw - National TAB

Completed Date : 12/19/2025 - John Barresi - National TAB

CheckList Item Details

UNIT ID CONFIGURATIONS

BACNET CONFIGURATION: GO TO SETTINGS>GENERAL>CONFIGURATION ID1 POSITION 5 SET TO "N". Pass

Comment:

NETWORK CONFIGURATION: GO TO SETUP>NETWORK INTEGRATION, SET TO BACNET IP Pass

Comment:

CONTROL MODE: SET CONTROL MODE TO ROOM SENSOR: CO2, TEMP & HUMIDITY (PER UNIT, AS NEEDED). Pass

Comment:

INDIVIDUAL PARAMETER CONFIGURATIONS (MECHANICAL CONTRACTOR TO DEFINE / AS APPLICABLE):

PARAMETER 105 DEHUMID MODE: 7 NO CONDITIONS Pass

Comment:

PARAMETER 106 DEHUMID SETPOINT: 50, THIS IS A CENTERED SET POINT (+/-) Yes

Comment:

PARAMETER 107 DEHUMID DEADBAND: 3 (DEFAULT) THIS IS THE ACTUAL +/- VALUE Pass

Comment:

PARAMETER 117 CO2 DAMPER MAX OPEN: 50%

Pass

Comment:

PARAMETER 118 CO2 START OPEN PPM: 1500

Pass

Comment:

PARAMETER 119 CO2 MAX OPEN PPM: 1500

Pass

Comment:

PARAMETER 137 OCCHET SET POINT: 68 (BACK UP)

Pass

Comment:

PARAMETER 131 SET TO THE SAME % AS THE MINMIUM OA DAMPER SETPOINT

Pass

Comment:

PARAMETER 139 OCC COOLING SET POINT: 72 (BACK UP)

Pass

Comment:

PARAMETER 154 OCC BLOWER MODE: ON-CONTINUOUS 1

Pass

Comment:

CFM VALUES / MSAV FAN SPEEDS (AIR BALANCER TO DEFINE / IF APPLICABLE):

OA DAMPER SET TO SAME POSITION IN ALL FAN SPEEDS?

Pass

Comment:

ALL FAN SPEEDS SET TO THE SAME CFM VALUE (ENTER SETPOINTS BELOW)

Pass

Comment:

RTU-1 75% RTU-2 57% RTU-3 83%

HEAT CFM VALUE: PER THE HVAC SCHEDULE

Pass

Comment:

HIGH COOL CFM VALUE: THE HIGH COOL CFM VALUE

Pass

Comment:

LOW COOL CFM VALUE: MATCH THE HIGH COOL CFM VALUE

Pass

Comment:

VENTILATION CFM VALUE: MATCH THE HIGH COOL CFM VALUE

Pass

Comment:



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CheckList Information

Name : 03: SENSOR WIRING (LENNOX) **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 11/25/2025 - Natasha Louw - National TAB
Completed Date : 12/19/2025 - John Barresi - National TAB

CheckList Item Details

COMBINATION TEMPERATURE/HUMIDITY SENSOR

Sensors are installed where shown on the drawing? Pass

Comment:

2 conductor shielded cable has one wire landed to Vin, one to GND, and the shield wire is not connected. Pass

Comment:

For second shielded cable, one wire is landed to Vout and the shield wire is not connected. Pass

Comment:

Verify that the CORE or Prodigy controller is sensing a relative humidity (record the reading) Pass

Comment:

RTU-1 50% RTU-2 50% RTU-3 50%



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CheckList Information

Name : 04: EF'S **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 11/25/2025 - Natasha Louw - National TAB

Completed Date : 12/19/2025 - John Barresi - National TAB

CheckList Item Details

EF's

Rotation is correct?	Pass
-----------------------------	------

Comment:

Belts are tight (if applicable)?	Pass
---	------

Comment:

Speed controller installed and functional (if applicable)?	Fail
---	------

Comment:

N/A / EF-1, EF-2 FAIL / No speed controller equipped on EF-3

There is no major leakage around base of fan?	Pass
--	------

Comment:

Is the motor operating below the motor FLA rating?	Pass
---	------

Comment:

Back draft damper installed and can it fully open?	Pass
---	------

Comment:

Unit free of noticeable noise and vibration?

Pass

Comment:

Total exhaust flow balanced within +/-5% and grilles are within +/-10%?

Pass

Comment:



12-08-25 WAWA #8695 WOODFORD, VA

CheckList Information

Name : 05: CLOSEOUT CHECKS **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 11/25/2025 - Natasha Louw - National TAB

Completed Date : 12/19/2025 - John Barresi - National TAB

CheckList Item Details

SPACE COMFORT

Is space free of drafting? Pass

Comment:

Is space comfortable in all areas? Pass

Comment:

Is the space free of ventilation noise? Pass

Comment:

BUILDING PRESSURE

Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative) Pass

Comment:

FRONT 0.006" / SIDE 0.005" / BACK 0.003"

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

System/Unit: AHU/RTU



Asset: RTU1

AREA:FOOD SERVICE

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625D02335
Model Num	LCT150H5E	LCT150H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14.125"X23"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"X25"X2"

Motor Data		
	Design	Actual
Motor MFG	-	EBMPAPST
Frame	-	N/L
Horsepower	3.75	3.75
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.0
Service Factor	-	N/L

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	4500	4595
SF RPM	-	1335
MOTOR RPM	-	1335
RA CFM	3800	3882
OA CFM	700	713
RL Voltage	-	212.3/211.9/214.7
RL Amperage	-	3.3/3.3/3.3
SF System SetPt	-	75%
RA Damper Position	-	73%
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	27%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.52"
Fan Suction SP	-	-0.84"
Fan Discharge SP	-	0.39"
Total ESP	0.70"	0.91"
Fan Total SP	-	1.23"

Completed By: John Barresi on 12/18/2025

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

AHU/RTU



Diffuser Supply (GRD)

RTU1/FOOD SERVICE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	FOOD SERVICE	SD-6	10"	425	1	474	393	426	100.2
SGRD2	FOOD SERVICE	SD-6	10"	425	1	448	372	417	98.1
SGRD3	FOOD SERVICE	SD-6	10"	425	1	590	490	424	99.8
SGRD4	FOOD SERVICE	SD-6	10"	425	1	588	488	412	96.9
SGRD5	FOOD SERVICE	SD-6	10"	425	1	510	423	456	107.3
SGRD6	COFFEE	SD-6	12"	500	1	739	613	517	103.4
SGRD7	FOOD SERVICE	SD-6	10"	400	1	484	402	431	107.8
SGRD8	FOOD SERVICE	SD-6	10"	400	1	493	409	432	108.0
SGRD9	FOOD SERVICE	SD-6	10"	400	1	457	379	416	104.0
SGRD10	TRASH	SD-1	10"	300	1	485	403	309	103.0
SGRD11	ELECTRICAL	SD-1	10"	375	1	401	333	355	94.7
Total				4500		5669	4705	4595	102.11%

Diffuser Ret/Exh (GRD)

RTU1/FOOD SERVICE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE	RG-1	14"	860	1	832	832	924	107.4
EGRD2	FOOD SERVICE	RG-1	14"	870	1	740	740	822	94.5
EGRD3	FOOD SERVICE	RG-1	14"	870	1	739	739	821	94.4
EGRD4	FOOD SERVICE	RG-1	16X14	1200	1	1217	1217	1315	109.6
Total				3800		3528	3528	3882	102.16%

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

System/Unit: AHU/RTU



Asset: RTU2

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625D03887
Model Num	LCT102H5E	LCT102H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14.125"X23"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"X25"X2"

Motor Data		
	Design	Actual
Motor MFG	-	EBMPAPST
Frame	-	N/L
Horsepower	3.75	3.75
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.0
Service Factor	-	N/L

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	3400	3348
SF RPM	-	1015
MOTOR RPM	-	1015
RA CFM	2720	2617
OA CFM	680	731
RL Voltage	-	213.1/212.4/215.1
RL Amperage	-	2.0/2.0/2.0
SF System SetPt	-	57%
RA Damper Position	-	65%
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	35%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.16"
Fan Suction SP	-	-0.39"
Fan Discharge SP	-	0.34"
Total ESP	1.00"	0.50"
Fan Total SP	-	0.73"

Completed By: John Barresi on 12/18/2025

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

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	DINING	SD-2		275	0.34	428	487	292	106.2
SGRD2	DINING	SD-2		275	0.34	28	347	273	99.3
SGRD3	DINING	SD-2		300	0.34	62	374	291	97.0
SGRD4	DINING	SD-2		275	0.34	47	460	264	96.0
SGRD5	DINING	SD-2		275	0.34	292	477	258	93.8
SGRD6	DINING	SD-2		275	0.34	226	271	259	94.2
SGRD7	DINING	SD-2		275	0.34	232	254	274	99.6
SGRD8	DINING	SD-2		275	0.34	76	326	278	101.1
SGRD9	DINING	SD-2		275	0.34	189	473	259	94.2
SGRD10	HALLWAY	SD-1	8"	200	1	320	244	221	110.5
SGRD11	WOMENS RR	SD-5	8"	100	1	338	253	103	103.0
SGRD12	REAR VESTIBULE	SD-5	8"	200	1	333	216	205	102.5
SGRD13	MENS RR	SD-5	8"	150	1	311	219	140	93.3
SGRD14	DELIVERY ROOM	SD-1	8"	250	1	322	245	231	92.4
Total				3400		3204	4646	3348	98.47%

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

System/Unit: AHU/RTU



Asset: RTU3

AREA:FOH

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625E00894
Model Num	LCT072H5E	LCT072H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28.25"X14.25"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	EBMPAPST
Frame	-	N/L
Horsepower	1.5	1.5
Motor Rpm	-	3300
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	4.4
Service Factor	-	N/L

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	2400	2399
SF RPM	-	2739
MOTOR RPM	-	2739
RA CFM	1950	1920
OA CFM	450	479
RL Voltage	-	213.6/210.0/211.9
RL Amperage	-	2.7/2.7/2.7
SF System SetPt	-	83%
RA Damper Position	-	87%
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	13%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.36"
Fan Suction SP	-	-0.53"
Fan Discharge SP	-	0.34"
Total ESP	0.50"	0.70"
Fan Total SP	-	0.87"

Completed By: John Barresi on 12/18/2025

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

AHU/RTU



Diffuser Supply (GRD)

RTU3/FOH

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	ENTRANCE	SD-5	8"	250	1	200	262	262	104.8
SGRD2	FOH	SD-2		450	0.34	434	434	434	96.4
SGRD3	FOH	SD-2		450	0.34	429	429	429	95.3
SGRD4	FOH	SD-2		450	0.34	468	468	468	104.0
SGRD5	FOH	SD-2		450	0.34	450	450	450	100.0
SGRD6	ASS. AREA	SD-1	8"	200	1	234	200	200	100.0
SGRD7	OFFICE	SD-1	8"	150	1	184	156	156	104.0
Total				2400		2399	2399	2399	99.96%

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6
Serial Num	-	27752412 25I
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	LEESON
Frame	-	48Y
Horsepower	0.167	0.167
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.6
Service Factor	-	1.15

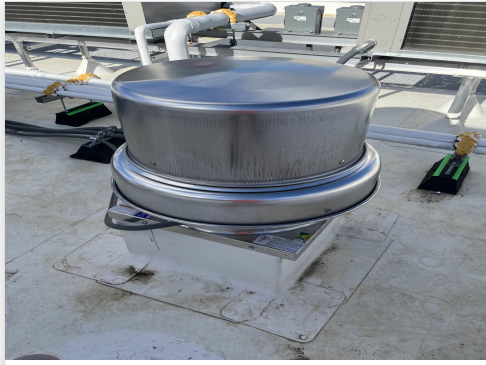
Test Data		
	Design	Actual
CFM	375	391
Fan RPM	-	1126
Fan Rotation	-	CW
Motor RPM	-	1763
System SetPt	-	3.5 TURNS OUT
RL Voltage	-	N/A
RL Amperage	-	N/A
Total ESP	0.38"	0.11"
Fan Inlet SP	-	-0.11"
Fan Discharge SP	-	ATM

Completed By: John Barresi on 12/18/2025

Unit Data - PHOTO LOG



12/19/2025



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National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/RESTROOM

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WOMENS RR	EG-1	8X8	150	1	208	154	154	102.7
EGRD2	MENS RR	EG-1	8X8	225	1	196	237	237	105.3
Total				375		404	391	391	104.27%

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

System/Unit: FAN - Exhaust



Asset: EF2

AREA:BOH

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	G-120-4-VG-1-19-X
Serial Num	-	28377281 25L
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	VARIGREEN
Frame	-	NL
Horsepower	0.167	0.25
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	120	277
Amperage (rated)	-	2.85
Service Factor	-	1.25

Test Data		
	Design	Actual
CFM	1100	883
Fan RPM	-	NL
Fan Rotation	-	CW
Motor RPM	-	NL
System SetPt	-	100%
RL Voltage	-	N/A
RL Amperage	-	N/A
Total ESP	0.38"	0.34"
Fan Inlet SP	-	-0.34"
Fan Discharge SP	-	ATM

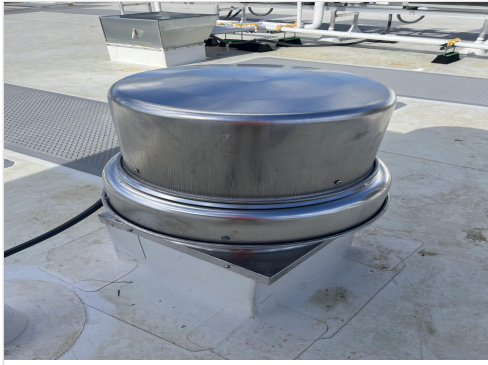
Completed By: Cody Mauro on 02/16/2026

Notes:

As of 02/16/26, motor & test info updated

Written By: Cody Mauro on 02/16/2026

Unit Data - PHOTO LOG



12/19/2025



12/19/2025

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/BOH

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	BOH	RG-2	10X10	500	1	111	118	198	39.6
EGRD2	BOH	RG-2	8X8	400	1	251	254	208	52.0
EGRD3	BOH	RG-2	10X10	200	1	102	108	477	238.5
Total				1100		464	480	883	80.27%

National TAB

Project: 12-08-25 WAWA #8695 WOODFORD, VA

System/Unit: FAN - Exhaust



Asset: EF3

AREA:TRASH ROOM

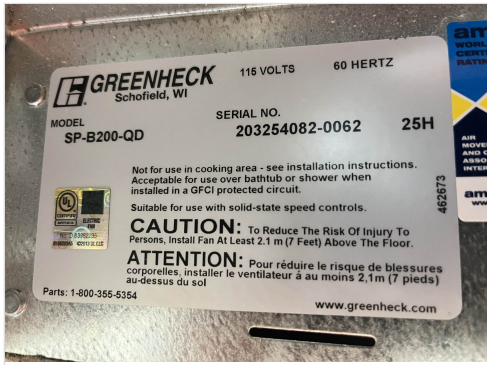
Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-B200	SP-B200-QD
Serial Num	-	203254082-0062
Type	CEILING	CEILING
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	N/L
Horsepower	0.167	0.03
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.7
Service Factor	-	N/L

Test Data		
	Design	Actual
CFM	200	230
Fan RPM	-	1000
Fan Rotation	-	CCW
Motor RPM	-	1000
System SetPt	-	100
RL Voltage	-	N/A
RL Amperage	-	N/A
Total ESP	0.50"	0.05"
Fan Inlet SP	-	-0.05"
Fan Discharge SP	-	ATM

Completed By: Cody Mauro on 02/16/2026

Unit Data - PHOTO LOG



12/19/2025



12/19/2025

