

Report By:

National TAB
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SUITE 4210
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Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 09/10/2025
Completed By: National TAB

PROJECT
09-08-25 WAWA #6110 WILSON, NC

1600 FOREST HILLS ROAD

WILSON, NC 72893

Client

Wawa
260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 09-08-25 WAWA #6110 WILSON, NC

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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 low flow
- Heating mode not operational
- RTU 2 alarm
- RTU-1 return #4 vibrating noise



09-08-25 WAWA #6110 WILSON, NC

Project Issue Information

Issue Name : EF 1 low flow
Description : EF 1 currently slightly below design at 88% of design. The pulley is maximized. Unable to increase airflow further.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Low **Asset Tag :** EF1
Originated Date : 09/10/2025 - Jearod Ferrette - National TAB

Project Issue File Details



09/10/2025



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Project Issue Information

Issue Name : Heating mode not operational
Description : Heating mode not operational unable to perform test
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Low **Asset Tag :** RTU2
Originated Date : 09/10/2025 - Jearod Ferrette - National TAB

Project Issue File Details



09/10/2025

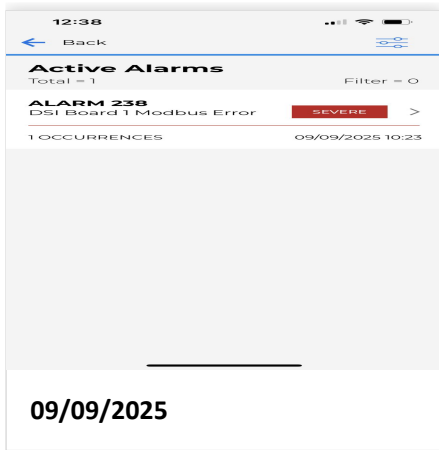


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Project Issue Information

Issue Name : RTU 2 alarm
Description : RTU2 in alarm, DSI Board 1 Modbus Error
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Low **Asset Tag :** RTU2
Originated Date : 09/09/2025 - Jearod Ferrette - National TAB

Project Issue File Details



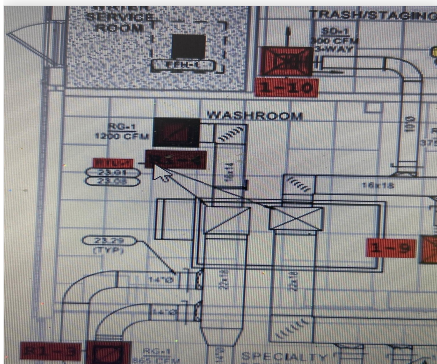


09-08-25 WAWA #6110 WILSON, NC

Project Issue Information

Issue Name : RTU-1 return #4 vibrating noise
Description : RTU1 kitchen return #4 has a vibrating noise. Mechanical contractor should address.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Low **Asset Tag :** RTU1
Originated Date : 09/10/2025 - Jearod Ferrette - National TAB

Project Issue File Details



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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	4624	3800	3930	700	694	15.6%	15.0%						
RTU-2	RETAIL	3400	3413	3020	3022	380	391	11.2%	11.5%						
RTU-3	FOH	2400	2575	2200	2372	200	203	8.3%	7.9%						
EF-1	RESTROOMS													375	333
EF-2	BOH													400	417
EF-3	TRASH													200	215
TOTALS		10300	10612	9020	9324	1280	1288			0	0	0	0	975	965

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1280	1288
TOTAL EXHAUST	975	965
NET AIRFLOW	305	323

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.016
SIDE	0.004
REAR	0.006
AVERAGE	0.0087

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:

CheckList List

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



09-08-25 WAWA #6110 WILSON, NC

CheckList Information

Name : 01: RTU's/AHU's **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 08/20/2025 - Natasha Louw - National TAB

Completed Date : 09/10/2025 - Jearod Ferrette - 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? Pass

Comment:

Condensate drains are installed?

Pass

Comment:

Unit free of noticeable noise and vibration

Pass

Comment:

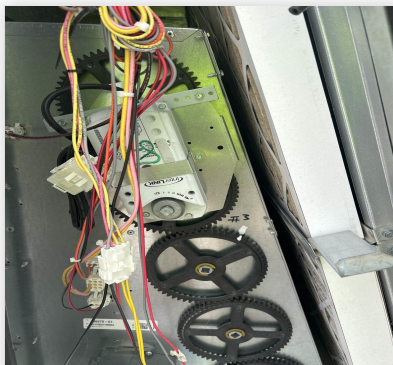
Final outside air damper position is marked with permanent marker?

Pass

Comment:



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No alarms present?

Fail

Comment:

RTU2- DSI Board 1 Modbus Error

Any noticeable duct leakage?

Pass

Comment:

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

Pass

Comment:

IN TEST MODE, TEST THE FOLLOWING:

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

Pass

Comment:

RTU1-EAT: 59 LAT: 67 RTU2 -EAT:56 LAT:66 RTU3-EAT:54 LAT: 66

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

Fail

Comment:

RTU2- NOT OPERATIONAL RTU3- EAT: 92 LAT: 69

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

Pass

Comment:

RTU1-EAT: 56 LAT: 67 RTU2- EAT:52 LAT:66 RTU3- EAT: 53 LAT 66



09-08-25 WAWA #6110 WILSON, NC

CheckList Information

Name : 02: LENNOX SETUP PARAMETERS **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 08/20/2025 - Natasha Louw - National TAB
Completed Date : 09/10/2025 - Jearod Ferrette - 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:

RTU1 80%, RTU2 58%, RTU3 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:



09-08-25 WAWA #6110 WILSON, NC

CheckList Information

Name : 03: SENSOR WIRING (LENNOX) **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 08/20/2025 - Natasha Louw - National TAB
Completed Date : 09/09/2025 - Jearod Ferrette - 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:



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CheckList Information

Name : 04: EF'S **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 08/20/2025 - Natasha Louw - National TAB
Completed Date : 09/09/2025 - Jearod Ferrette - 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)? N/A

Comment:

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%?

Fail

Comment:

EF1 currently at 88% of design pulled at max turns in.



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CheckList Information

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

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 08/20/2025 - Natasha Louw - National TAB

Completed Date : 09/10/2025 - Jearod Ferrette - 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? Fail

Comment:

RTU1 KITCHEN RETURN #4 HAS A VIBRATING NOISE

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:0.016", SIDE 0.004", REAR 0.006"

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Project: 09-08-25 WAWA #6110 WILSON, NC

System/Unit: AHU/RTU



Asset: RTU1

AREA:FOOD SERVICE

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625D02814
Model Num	LCT150H5E	LCT150H5E
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	-	20X25X2

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

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	4624
SF RPM	-	DD/ 80%
MOTOR RPM	-	DD/ 80%
RA CFM	3800	3930
OA CFM	700	694
RL Voltage	-	210/209/209
RL Amperage	-	5.2/5.4/5.3
SF System SetPt	-	80%
RA Damper Position	-	74%
OA Damper Position	-	26%
OA Damper Type	-	ECON

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.25"
Fan Suction SP	-	-0.88"
Fan Discharge SP	-	0.66"
Total ESP	-	0.91"
Fan Total SP	-	1.54"

Completed By: Jearod Ferrette on 09/10/2025

Unit Data - PHOTO LOG



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Project:09-08-25 WAWA #6110 WILSON, NC

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	COFFEE	SD-6	12"	500	1	711	590	509	101.8
SGRD2	FOOD SERVICE	SD-6	10"	425	1	684	567	427	100.5
SGRD3	FOOD SERVICE	SD-6	10"	425	1	527	437	437	102.8
SGRD4	FOOD SERVICE	SD-6	10"	425	1	429	356	456	107.3
SGRD5	FOOD SERVICE	SD-6	10"	425	1	472	391	431	101.4
SGRD6	FOOD SERVICE	SD-6	10"	425	1	510	423	424	99.8
SGRD7	FOOD SERVICE	SD-6	10"	400	1	431	357	416	104.0
SGRD8	FOOD SERVICE	SD-6	10"	400	1	477	395	405	101.3
SGRD9	FOOD SERVICE	SD-6	10"	400	1	492	408	408	102.0
SGRD10	TRASH	SD-1	10"	300	1	422	350	313	104.3
SGRD11	ELECTRICAL	SD-1	10"	375	1	420	348	398	106.1
Total				4500		5575	4622	4624	102.76%

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"	870	1	836		836	96.1
EGRD2	FOOD SERVICE	RG-1	14"	865	1	861		861	99.5
EGRD3	FOOD SERVICE	RG-1	14"	865	1	867		867	100.2
EGRD4	WASHROOM	RG-1	16X14	1200	1	1239		1239	103.3
Total				3800		3803	0	3803	100.08%

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Project: 09-08-25 WAWA #6110 WILSON, NC

System/Unit: AHU/RTU



Asset: RTU2

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625D02331
Model Num	LGT102H5E	LGT102H5E
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	-	20X25X2

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

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	3413
SF RPM	-	DD/ 58%
MOTOR RPM	-	DD/ 58%
RA CFM	3020	3022
OA CFM	380	391
RL Voltage	-	209/210/210
RL Amperage	-	4.9/5/4.9
SF System SetPt	-	58%
RA Damper Position	-	73%
OA Damper Position	-	27%
OA Damper Type	-	ECON

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.12"
Fan Suction SP	-	-0.50
Fan Discharge SP	-	0.39"
Total ESP	1.00"	0.51"
Fan Total SP	-	0.89"

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Unit Data - PHOTO LOG



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National TAB
 Project:09-08-25 WAWA #6110 WILSON, 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	SD-2	3X19	275	0.39	362	278	271	98.5
SGRD2	RETAIL	SD-2	3X19	275	0.39	393	302	274	99.6
SGRD3	RETAIL	SD-2	3X19	300	0.39	395	304	284	94.7
SGRD4	RETAIL	SD-2	3X19	275	0.39	397	305	288	104.7
SGRD5	RETAIL	SD-2	3X19	275	0.39	394	303	286	104.0
SGRD6	RETAIL	SD-2	3X19	275	0.39	276	212	282	102.5
SGRD7	RETAIL	SD-2	3X19	275	0.39	221	170	270	98.2
SGRD8	RETAIL	SD-2	3X19	275	0.39	370	284	284	103.3
SGRD9	RETAIL	SD-2	3X19	275	0.39	480	369	279	101.5
SGRD10	HALLWAY	SD-1	8"	200	1	267	205	205	102.5
SGRD11	WOMENS RR	SD-5	8"	100	1	233	179	108	108.0
SGRD12	REAR VESTIBULE	SD-5	8"	200	1	238	183	202	101.0
SGRD13	MENS RR	SD-5	8"	150	1	190	146	153	102.0
SGRD14	DELIVERY ROOM	SD-1	8"	250	1	229	176	227	90.8
Total				3400		4445	3416	3413	100.38%

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Project: 09-08-25 WAWA #6110 WILSON, NC

System/Unit: AHU/RTU



Asset: RTU3

AREA:FOH

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625E00867
Model Num	LGT072H5E	LGT072H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	14X28
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	EBMPAPST
Frame	-	NA
Horsepower	1.5	1.5
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	NA
Service Factor	-	NA

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	2575
SF RPM	-	DD/ 83%
MOTOR RPM	-	DD/ 83%
RA CFM	2200	2372
OA CFM	200	203
RL Voltage	-	210/210/209
RL Amperage	-	5.3/5.1/5.3
SF System SetPt	-	83%
RA Damper Position	-	74%
OA Damper Position	-	26%
OA Damper Type	-	ECON

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.40"
Fan Suction SP	-	-0.67"
Fan Discharge SP	-	0.61"
Total ESP	-	1.01"
Fan Total SP	-	1.28"

Completed By: Jearod Ferrette on 09/10/2025

Unit Data - PHOTO LOG



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Project:09-08-25 WAWA #6110 WILSON, NC

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	ENTRY	SD-5	8"	250	1	212	-	263	105.2
SGRD2	FOH	SD-2	3X19	450	0.39	420	-	490	108.9
SGRD3	FOH	SD-2	3X19	450	0.39	430	-	490	108.9
SGRD4	FOH	SD-2	3X19	450	0.39	451	-	491	109.1
SGRD5	FOH	SD-2	3X19	450	0.39	437	-	487	108.2
SGRD6	ASSOCIATES AREA	SD-1	8"	200	1	331	-	205	102.5
SGRD7	OFFICE	SD-1	8"	150	1	333	-	149	99.3
Total				2400		2614	0	2575	107.29%

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Project: 09-08-25 WAWA #6110 WILSON, NC

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6
Serial Num	-	27071967
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
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	333
Fan RPM	-	1425
Fan Rotation	-	CW
Motor RPM	-	1709
System SetPt	-	MAX TURNS IN
RL Voltage	-	120
Total ESP	0.38"	0.33"
Fan Inlet SP	-	0.33"
Fan Discharge SP	-	ATMO

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Notes:

- Motor bore .5
- Motor sheave -VP25
- Fan bore .75
- Fan sheave -3.5
- CL- 5"
- Belt- 3L-180

Written By: Jearod Ferrette on 09/09/2025

Unit Data - PHOTO LOG



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National TAB

Project:09-08-25 WAWA #6110 WILSON, 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	WOMENS RR	EG-1	8X8	150	1	115	154	138	92.0
EGRD2	MENS RR	EG-1	8X8	225	1	143	184	195	86.7
Total				375		258	338	333	88.8%

National TAB

Project: 09-08-25 WAWA #6110 WILSON, NC

System/Unit: FAN - Exhaust



Asset: EF2

AREA:BOH

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6
Serial Num	-	27071968
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
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	400	417
Fan RPM	-	1117
Fan Rotation	-	CW
Motor RPM	-	1762
System SetPt	-	3 TURNS OUT
RL Voltage	-	119
Total ESP	0.38"	0.18"
Fan Inlet SP	-	0.18"
Fan Discharge SP	-	ATMO

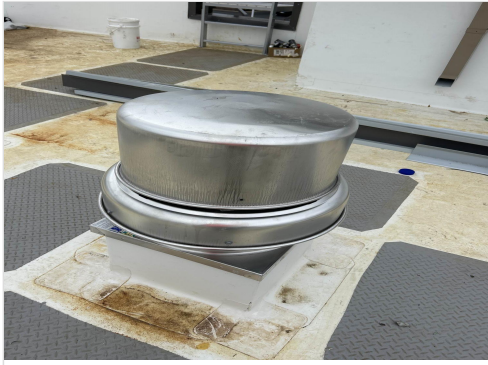
Completed By: Jearod Ferrette on 09/09/2025

Notes:

- Motor bore .5
- Motor sheave -VP25
- Fan bore .75
- Fan sheave -3.5
- CL- 5"
- Belt- 3L-180

Written By: Jearod Ferrette on 09/09/2025

Unit Data - PHOTO LOG



09/09/2025

National TAB
 Project:09-08-25 WAWA #6110 WILSON, NC
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	8X8	200	1	178	199	199	99.5
EGRD2	BOH	RG-2	8X8	200	1	236	218	218	109.0
Total				400		414	417	417	104.25%

National TAB

Project: 09-08-25 WAWA #6110 WILSON, NC

System/Unit: FAN - Exhaust



Asset: EF3

AREA:TRASH

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-B200	SP-B200
Serial Num	-	197302958-0052
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	200	215
Fan RPM	-	DD
System SetPt	-	HIGH
RL Voltage	-	119
Total ESP	0.50"	0.42"
Fan Inlet SP	-	0.42"
Fan Discharge SP	-	ATMO

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	0.167	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.7
Service Factor	-	1

Completed By: Jearod Ferrette on 09/09/2025

Unit Data - PHOTO LOG



09/09/2025

