Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 11/11/2025

Completed By: National TAB

PROJECT

11-10-25 WAWA #8700 FREEHOLD, NJ

275 MONMOUTH RD

FREEHOLD, NJ 07728

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 11-10-25 WAWA #8700 FREEHOLD, NJ

Table Of Contents

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

NATIONAL TAB

CORE

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	RETAIL	3000	3006	2700	2702	300	304	10.0%	10.1%						
RTU-2	DELI	5000	5140	4400	4532	600	608	12.0%	11.8%						
RTU-3	RETAIL	2000	1961	1800	1765	200	196	10.0%	10.0%						
EF-1	RESTROOM													250	252
EF-2	BACKROOM													550	565
EF-3	ELECTRICAL													60	61
TOTALS		10000	10107	8900	8999	1100	1108			0	0	0	0	860	878

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1100	1108
TOTAL EXHAUST	860	878
NET AIRFLOW	240	230

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.002
SIDE	0.007
REAR	0.0104
AVERAGE	**0.0065**

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

11-10-25 WAWA #8700 FREEHOLD, NJ

CheckList Information

Name :	01: RTU's/AHU's	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/31/2025 - Trinity Dodds - National TAB		
Completed Date :	11/11/2025 - Ryan Ash - 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:	
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: 64F/45F RTU-2: 66F/46F RTU-3: 64F/46F	
Heating mode is operational? Record EAT/LAT for each unit:	
Comment: RTU-1: 64F/99F RTU-2: 66F/120F RTU-3: N/A	

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

Comment:

RTU-1: 64F/60F RTU-2: 66F/64F RTU-3: 64F/59F

11-10-25 WAWA #8700 FREEHOLD, NJ

CheckList Information

Name :	02: LENNOX SETUP PARAMETERS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/31/2025 - Trinity Dodds - National TAB		
Completed Date :	11/11/2025 - Ryan Ash - 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:

RTU-1: 14% RTU-2: 15% RTU-3: 15%

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

Comment:

RTU-1: 55% RTU-2: 86% RTU-3: 75%

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:	

11-10-25 WAWA #8700 FREEHOLD, NJ

CheckList Information

Name :	03: SENSOR WIRING (LENNOX)	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/31/2025 - Trinity Dodds - National TAB		
Completed Date :	11/11/2025 - Ryan Ash - 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: 21% RTU-2: 23% RTU-3: 20%

11-10-25 WAWA #8700 FREEHOLD, NJ

CheckList Information

Name :	04: EF'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/31/2025 - Trinity Dodds - National TAB		
Completed Date :	11/11/2025 - Ryan Ash - National TAB		

CheckList Item Details

EF's

Rotation is correct?	Pass
Comment:	
Belts are tight (if applicable)?	N/A
Comment:	
Speed controller installed and functional (if applicable)?	Pass
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%?	Pass
Comment:	

11-10-25 WAWA #8700 FREEHOLD, NJ

CheckList Information

Name :	05: CLOSEOUT CHECKS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/31/2025 - Trinity Dodds - National TAB		
Completed Date :	11/11/2025 - Ryan Ash - 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: 0.0020" SIDE: 0.0070" BACK: 0.0104"	

National TAB

Project: 11-10-25 WAWA #8700 FREEHOLD, NJ

System/Unit: AHU/RTU

Asset: RTU1 AREA:RETAIL

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L02323
Model Num	LGT092H4E	LGT092H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14X23
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	EBMPAPST
Frame	-	NL
Horsepower	3.75	2970 W
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	200
Rated Amperage	-	8.0
Service Factor	-	NL

Test Data		
	Design	**Actual**
SF CFM	3000	3006
SF RPM	-	980
MOTOR RPM	-	980
RA CFM	2700	2702
OA CFM	300	304
RL Voltage	-	215.8/216.0/215.3
RL Amperage	-	2.0/2.1/2.0
SF System SetPt	-	55%
RA Damper Position	-	MECHANICAL LINKAGE
OA Damper Position	-	14%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.11”
Fan Suction SP	-	-0.36”
Fan Discharge SP	-	0.40”
Total ESP	0.50"	0.51"
Fan Total SP	-	0.76"

Completed By: Ryan Ash on 11/11/2025

Unit Data - PHOTO LOG

11/10/2025

11/10/2025

11/10/2025

National TAB

Project:11-10-25 WAWA #8700 FREEHOLD, NJ

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	ENTRY	CD-2	10"	300	1	456	433	306	102.0
SGRD2	RETAIL	LD-1	10"	400	1	492	445	383	95.8
SGRD3	RETAIL	LD-1	10	350	1	504	471	360	102.9
SGRD4	RETAIL	LD-1	10"	350	1	427	389	337	96.3
SGRD5	RETAIL	LD-1	10"	300	1	362	389	288	96.0
SGRD6	WALK-IN COOLER	LD-1	10"	300	1	369	341	291	97.0
SGRD7	WALK-IN COOLER	LD-1	10"	300	1	414	386	326	108.7
SGRD8	WALK-IN COOLER	LD-1	10	300	1	404	364	307	102.3
SGRD9	WALK-IN COOLER	LD-1	10"	400	1	524	483	408	102.0
Total				3000		3952	3701	3006	100.2%

Diffuser Ret/Exh (GRD)

RTU1/RETAIL

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	RETAIL AREA	G-1	14"	900	1	617	772	812	90.2
EGRD2	RETAIL AREA	G-1	14"	900	1	798	998	978	108.7
EGRD3	RETAIL AREA	G-1	14"	900	1	744	930	930	103.3
Total				2700		2159	2700	2720	100.74%

Completed By: Ryan Ash on 11/11/2025

National TAB

Project: 11-10-25 WAWA #8700 FREEHOLD, NJ

System/Unit: AHU/RTU

Asset: RTU2 AREA:FOOD SERVICE

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L06686
Model Num	LCT150H4E	LCT150H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14X23
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	EBM PAPST
Frame	-	NL
Horsepower	3.75	2970 W
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	200
Rated Amperage	-	8.0
Service Factor	-	NL

Test Data		
	Design	**Actual**
SF CFM	5000	5140
SF RPM	-	1531
MOTOR RPM	-	1531
RA CFM	4400	4532
OA CFM	600	608
RL Voltage	-	216.0/216.0/215.3
RL Amperage	-	5.4/5.4/5.4
SF System SetPt	-	86%
RA Damper Position	-	MECHANICAL LINKAGE
OA Damper Position	-	15%
OA Damper Type	-	ECONOMIZER

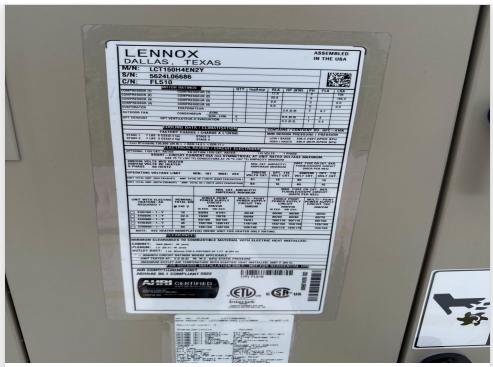
Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.23”
Fan Suction SP	-	-0.91”
Fan Discharge SP	-	0.63”
Total ESP	0.50"	0.86"
Fan Total SP	-	1.54"

Completed By: Ryan Ash on 11/11/2025

Unit Data - PHOTO LOG

11/10/2025

11/10/2025



11/10/2025

National TAB

Project:11-10-25 WAWA #8700 FREEHOLD, NJ

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	LD-1	10"	425	1	436	441	436	102.6
SGRD2	SPECIALTY BEVERAGE	LD-1	10"	425	1	449	430	449	105.6
SGRD3	ELECTRICAL ROOM	CD-1	12"	550	1	701	680	578	105.1
SGRD4	FOOD SERVICE	LD-1	10"	400	1	398	405	401	100.3
SGRD5	FOOD SERVICE	LD-1	10"	400	1	368	375	370	92.5
SGRD6	FOOD SERVICE	LD-1	10"	400	1	401	412	414	103.5
SGRD7	FOOD SERVICE	LD-1	10"	400	1	403	407	397	99.3
SGRD8	COFFEE	LD-1	10"	400	1	340	336	371	92.8
SGRD9	BACKROOM	LD-1	10"	400	1	388	379	434	108.5
SGRD10	BACKROOM	LD-1	10"	400	1	445	441	437	109.3
SGRD11	WASHROOM	LD-1	10"	400	1	423	418	419	104.8
SGRD12	WASHROOM	LD-1	10"	400	1	443	439	434	108.5
Total				5000		5195	5163	5140	102.8%

Diffuser Ret/Exh (GRD)

RTU2/FOOD SERVICE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	RETAIL	G-1	14"	900	1	630	763	813	90.3
EGRD2	RETAIL	G-1	14"	900	1	839	1015	987	109.7
EGRD3	COFFEE	G-1	14"	900	1	769	930	930	103.3
EGRD4	COFFEE	G-1	14"	900	1	721	872	872	96.9
EGRD5	WASHROOM	G-1	14"	800	1	781	781	781	97.6
Total				4400		3740	4361	4383	99.61%

Completed By: Ryan Ash on 11/11/2025

National TAB

Project: 11-10-25 WAWA #8700 FREEHOLD, NJ

System/Unit: AHU/RTU

Asset: RTU3 AREA:RETAIL

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624M01161
Model Num	LGT060H4E	LGT060H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14X14
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	1	1
Motor Rpm	-	NL
Phase	3	1
Rated Voltage	208	208
Rated Amperage	-	7.4
Service Factor	-	NL

Test Data		
	Design	**Actual**
SF CFM	2000	1961
RA CFM	1800	1765
OA CFM	200	196
RL Voltage	-	217.1 V
RL Amperage	-	5.3 A
SF System SetPt	-	75%
RA Damper Position	-	MECHANICAL LINKAGE
OA Damper Position	-	15%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.41”
Fan Suction SP	-	-0.60”
Fan Discharge SP	-	0.47”
Total ESP	0.50"	0.88"
Fan Total SP	-	1.07"

Completed By: Ryan Ash on 11/11/2025

Unit Data - PHOTO LOG

11/10/2025

11/10/2025

11/10/2025

National TAB

Project:11-10-25 WAWA #8700 FREEHOLD, NJ

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	RETAIL	LD-1	8"	250		163	205	248	99.2
SGRD2	RETAIL	LD-1	8"	250		188	237	250	100.0
SGRD3	RETAIL	LD-1	8"	250		122	154	226	90.4
SGRD4	RETAIL	LD-1	8"	250		186	234	268	107.2
SGRD5	OFFICE	CD-1	8"	150		170	214	159	106.0
SGRD6	MEN'S RR	CD-4	6"	50		124	156	45	90.0
SGRD7	WOMEN'S RR	CD-4	6"	50		96	121	54	108.0
SGRD8	RETAIL	LD-1	8"	250		130	164	227	90.8
SGRD9	RETAIL	LD-1	8"	250		173	218	240	96.0
SGRD10	ASSOCIATE AREA	CD-1	8"	150		195	246	150	100.0
SGRD11	REAR VEST	CD-3	6"	100		140	176	94	94.0
Total				2000		1687	2125	1961	98.05%

Diffuser Ret/Exh (GRD)

RTU3/RETAIL

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	RETAIL	G-1	14"	900	1	822	897	897	99.7
EGRD2	RETAIL	G-1	14"	900	1	794	865	865	96.1
Total				1800		1616	1762	1762	97.89%

Completed By: Ryan Ash on 11/11/2025

National TAB

Project: 11-10-25 WAWA #8700 FREEHOLD, NJ

System/Unit: FAN - Exhaust

Asset: EF1 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	PENNBARRY	PENNBARRY
Model Num	DX10S	DX11R
Serial Num	-	G25AZ88450
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	FASCO
Frame	-	NL
Horsepower	0.04	1/6
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.50
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	250	252
Fan RPM	-	NA
Fan Rotation	-	CCW
Motor RPM	-	NA
System SetPt	-	MARKED ON DIAL
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.25"	0.10”
Fan Inlet SP	-	-0.10”
Fan Discharge SP	-	ATM

Completed By: Ryan Ash on 11/11/2025

Unit Data - PHOTO LOG

11/11/2025

11/11/2025

11/11/2025

National TAB

Project:11-10-25 WAWA #8700 FREEHOLD, NJ

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	MEN'S RR	G-3	6"	100	1	105	78	99	99.0
EGRD2	JANITOR	G-1	6"	50	1	116	79	50	100.0
EGRD3	WOMEN'S RR	G-3	6"	100	1	110	71	103	103.0
Total				250		331	228	252	100.8%

Completed By: Ryan Ash on 11/11/2025

National TAB

Project: 11-10-25 WAWA #8700 FREEHOLD, NJ

System/Unit: FAN - Exhaust

Asset: EF2 AREA:BACKROOM/STAGING AREA

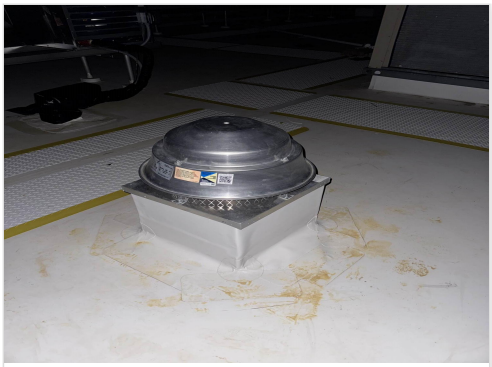
Unit Data		
	Design	**Actual**
MFG	PENNBARRY	PENNBARRY
Model Num	DX13S	DX13R
Serial Num	-	G24JZ44011
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	FASCO
Frame	-	NL
Horsepower	1/12	1/6
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.80
Service Factor	-	NL

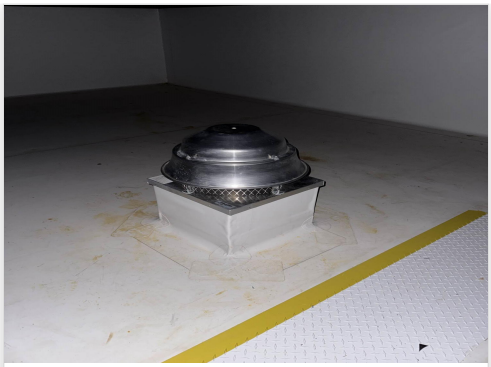
Test Data		
	Design	**Actual**
CFM	550	565
Fan RPM	-	NA
Fan Rotation	-	CCW
Motor RPM	-	NA
System SetPt	-	MARKED ON DIAL
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.25"	0.13”
Fan Inlet SP	-	-0.13”
Fan Discharge SP	-	ATM

Completed By: Ryan Ash on 11/11/2025

Unit Data - PHOTO LOG



11/11/2025



11/11/2025

11/11/2025

National TAB

Project:11-10-25 WAWA #8700 FREEHOLD, NJ

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF2/BACKROOM/STAGING AREA

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	BACKROOM	G-1	8"	150	1	99	97	145	96.7
EGRD2	BACKROOM	G-1	10"	150	1	251	221	154	102.7
EGRD3	BACKROOM	G-1	10"	150	1	324	307	158	105.3
EGRD4	STAGING AREA	G-1	6"	100	1	109	101	108	108.0
Total				550		783	726	565	102.73%

Completed By: Ryan Ash on 11/11/2025

National TAB

Project: 11-10-25 WAWA #8700 FREEHOLD, NJ

System/Unit: FAN - Exhaust

Asset: EF3 AREA:ELECTRICAL ROOM

Unit Data		
	Design	**Actual**
MFG	PENNBARRY	PENNBARRY
Model Num	Z3H	Z3H
Type	INLINE	INLINE
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	**Actual**
CFM	60	61
Fan Rotation	-	CCW
System SetPt	-	MARKED ON DIAL
Total ESP	0.125"	0.03”
Fan Inlet SP	-	-0.03”
Fan Discharge SP	-	ATM

Completed By: Ryan Ash on 11/11/2025

Notes:
[1] Most Unit data including motor and electrical data was not accessible.

Written By: Ryan Ash on 11/11/2025

Unit Data - PHOTO LOG

11/11/2025

11/11/2025