

**Report By:**

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**Report: TAB Report**  
**Function: Test, Adjust, & Balance**  
**Date: 05/27/2025**  
**Completed By: National TAB**

# PROJECT

## 05-19-25 WAWA #8196 POTTSTOWN, PA

157 EVERGREEN RD

LOWER POTTS GROVE TOWNSHIP, PA 19464

**Client**

Wawa  
260 West Baltimore Pike

Wawa, PA 19063

# National TAB

Project: 05-19-25 WAWA #8196 POTTSTOWN, PA

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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

- Diffuser 2-10 - Low Flow

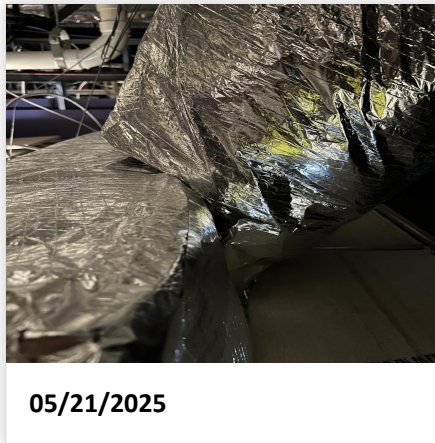
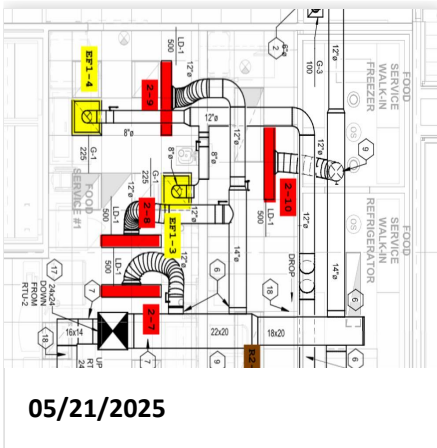


05-19-25 WAWA #8196 POTTSTOWN, PA

**Project Issue Information**

**Issue Name :** Diffuser 2-10 - Low Flow  
**Description :** Diffuser 2-10 (food service) is currently at 343 CFM (69% design). Damper is fully open. Ductwork appears to be restricted at the diffuser takeoff. All other diffusers for RTU 2 are within design, and further balancing is not expected to improve this diffuser’s airflow to design. Recommend mechanical inspection.  
**Created By :** National TAB                      **Assigned To :** National TAB - Will Turnbough  
**Status :** Open  
**Priority :** InfoOnly                                      **Asset Tag :** RTU2  
**Originated Date :** 05/21/2025 - Mark Johnson - National TAB

Project Issue File Details



Project Issue Response Details

- **05/28/2025 National TAB - Mark Johnson**
  - Airflow increased to 82% design after flex adjustment. Not expected to cause comfort issues in the surrounding space. Further balancing would only degrade the overall performance of the unit.

### 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	CORE	3400	3346	3000	2932	400	414	11.8%	12.4%						
RTU-2	DELI	5000	4884	4340	4210	660	674	13.2%	13.8%						
RTU-3	RETAIL	2000	1963	1635	1583	365	380	18.3%	19.4%						
EF-1	DELI/BOH													775	794
EF-2	RESTROOMS													250	253
EF-3	WATER METER ROOM													100	102
<b>TOTALS</b>		10400	10193	8975	8725	1425	1468			0	0	0	0	1125	1149

#### NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1425	1468
TOTAL EXHAUST	1125	1149
<b>NET AIRFLOW</b>	<b>300</b>	<b>319</b>

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.0023
SIDE	-
REAR	0.0027
<b>AVERAGE</b>	<b>0.0025</b>

#### FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

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- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

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

NOTES:

## CheckList List

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



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CheckList Information

**Name :** 03: SENSOR WIRING (LENNOX) **Status :** Completed

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 05/08/2025 - Tara Metcalf - National TAB

**Completed Date :** 05/28/2025 - Mark Johnson - 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: 47% / RTU 2: 49% / RTU 3: 52%



05-19-25 WAWA #8196 POTTSTOWN, PA

CheckList Information

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

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 05/08/2025 - Tara Metcalf - National TAB

**Completed Date :** 05/28/2025 - Mark Johnson - National TAB

CheckList Item Details

EF's

<b>Rotation is correct?</b>	Pass
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**Comment:**

<b>Belts are tight (if applicable)?</b>	N/A
---	-----

**Comment:**

Direct Drive

<b>Speed controller installed and functional (if applicable)?</b>	Pass
---	------

**Comment:**

<b>There is no major leakage around base of fan?</b>	Pass
--	------

**Comment:**

<b>Is the motor operating below the motor FLA rating?</b>	Pass
---	------

**Comment:**

<b>Back draft damper installed and can it fully open?</b>	Pass
---	------

**Comment:**

**Unit free of noticeable noise and vibration?**

Pass

**Comment:**

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

Pass

**Comment:**



05-19-25 WAWA #8196 POTTSTOWN, PA

CheckList Information

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

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 05/08/2025 - Tara Metcalf - National TAB

**Completed Date :** 05/28/2025 - Mark Johnson - 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:



05-19-25 WAWA #8196 POTTSTOWN, PA

CheckList Information

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

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 05/08/2025 - Tara Metcalf - National TAB

**Completed Date :** 05/28/2025 - Mark Johnson - 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:

Direct Drive

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%?

Fail

Comment:

Supply diffuser 2-10 is at 82% design. All other diffusers and totals are within tolerance.

**IN TEST MODE, TEST THE FOLLOWING:**

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

Pass

Comment:

RTU 1: EAT=71°F, LAT=51°F / RTU 2: EAT=68°F, LAT=50°F / RTU 3: EAT=69°F, LAT=53°F

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

Pass

Comment:

RTU 1: EAT=71°F, LAT=84°F / RTU 2: N/A / RTU 3: EAT=69°F, LAT=86°F

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

Pass

**Comment:**

RTU 1: EAT=71°F, LAT=63°F / RTU 2: EAT=70°F, LAT=66°F / RTU 3: EAT=69°F, LAT=67°F



05-19-25 WAWA #8196 POTTSTOWN, PA

CheckList Information

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

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 05/08/2025 - Tara Metcalf - National TAB

**Completed Date :** 05/28/2025 - Mark Johnson - 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:

SET TO 1200 PER MECHANICAL PLANS

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: 62% / RTU 2: 85% / RTU 3: 63%

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:**



# National TAB

Project: 05-19-25 WAWA #8196 POTTSTOWN, PA

## System/Unit: AHU/RTU

Asset: RTU1

AREA: CORE

Unit Data		
	Design	Actual
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624D03230
Model Num	LGT102H4E	LGT102H4ES1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23x14.25
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	-	2200
Phase	3	3
Rated Voltage	208	200-240
Rated Amperage	-	8.7
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	3400	3346
SF RPM	-	1364
MOTOR RPM	-	1364
RA CFM	3000	2932
OA CFM	400	414
RL Voltage	-	210/209/211
RL Amperage	-	2.5/2.4/2.5
SF System SetPt	-	62%
RA Damper Position	-	73%
OA Damper Position	-	27%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.26"
Fan Suction SP	-	-0.49"
Fan Discharge SP	-	0.36"
Total ESP	0.50"	0.62"
Fan Total SP	-	0.85"

Completed By: Mark Johnson on 05/21/2025

## Unit Data - PHOTO LOG



05/19/2025



# National TAB

Project:05-19-25 WAWA #8196 POTTSTOWN, PA

## AHU/RTU

### Diffuser Supply (GRD)

#### RTU1/CORE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	CORE	LD1	12"	330	1	462	387	334	101.2
SGRD2	CORE	LD1	12"	330	1	341	286	305	92.4
SGRD3	CORE	CD3	12"	150	1	251	210	150	100.0
SGRD4	CORE	LD1	12"	330	1	512	429	320	97.0
SGRD5	CORE	CD3	12"	150	1	360	302	154	102.7
SGRD6	CORE	LD1	12"	335	1	312	261	327	97.6
SGRD7	CORE	LD1	12"	330	1	548	459	345	104.5
SGRD8	CORE	LD1	12"	485	1	468	392	438	90.3
SGRD9	CORE	LD1	12"	480	1	492	412	457	95.2
SGRD10	CORE	LD1	12"	480	1	540	452	516	107.5
Total				3400		4286	3590	3346	98.41%



# National TAB

Project: 05-19-25 WAWA #8196 POTTSTOWN, PA

## System/Unit: AHU/RTU

Asset: RTU2

AREA:DELI

Unit Data		
	Design	Actual
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624E05272
Model Num	LCT150H4E	LCT150H4EN1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23x14.25
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	-	2200
Phase	3	3
Rated Voltage	208	200-240
Rated Amperage	-	8.7
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	5000	4884
SF RPM	-	1870
MOTOR RPM	-	1870
RA CFM	4340	4210
OA CFM	660	674
RL Voltage	-	210/209/211
RL Amperage	-	5.7/5.8/5.7
SF System SetPt	-	85%
RA Damper Position	-	73%
OA Damper Position	-	27%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.48"
Fan Suction SP	-	-1.03"
Fan Discharge SP	-	0.28"
Total ESP	0.50"	0.76"
Fan Total SP	-	1.31"

Completed By: Mark Johnson on 05/21/2025

## Unit Data - PHOTO LOG



05/19/2025



# National TAB

Project:05-19-25 WAWA #8196 POTTSTOWN, PA

## AHU/RTU

### Diffuser Supply (GRD)

#### RTU2/DELI

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	COFFEE	LD1	10"	355	1	344	352	348	98.0
SGRD2	COFFEE	LD1	10"	365	1	345	353	384	105.2
SGRD3	SPECIALTY BEVERAGE	LD1	10"	365	1	353	362	399	109.3
SGRD4	DELI	LD1	10"	365	1	444	455	355	97.3
SGRD5	WASHROOM	LD1	8"	375	1	439	450	358	95.5
SGRD6	BACKROOM	CD1	10"	500	1	687	704	460	92.0
SGRD7	FOOD SERVICE #1	LD1	12"	500	1	509	521	519	103.8
SGRD8	FOOD SERVICE #	LD1	12"	500	1	420	430	510	102.0
SGRD9	FOOD SERVICE #	LD1	10"	500	1	474	485	505	101.0
SGRD10	FOOD SERVICE #2	LD1	12"	500	1	217	222	408	81.6
SGRD11	REAR VESTIBLE	CD1	6"	75	1	89	91	80	106.7
SGRD12	WATER METER ROOM	CD	6"	50	1	108	111	50	100.0
SGRD13	ELECTRICAL ROOM	CD1	12"	550	1	511	523	508	92.4
Total				5000		4940	5059	4884	97.68%

### Diffuser Ret/Exh (GRD)

#### RTU2/DELI

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE 2	G1	14"	860	1.20017	858	870	870	101.2
EGRD2	FOOD SERVICE	G1	14"	870	1.20017	804	829	829	95.3
EGRD3	FOOD SERVICE	G1	14"	870	1.20017	834	859	859	98.7
EGRD4	FOOD SERVICE	G1	14"	870	1.20017	982	875	875	100.6
EGRD5	FOOD SERVICE	G1	14"	870	1.20017	845	876	876	100.7
Total				4340		4323	4309	4309	99.29%



# National TAB

Project: 05-19-25 WAWA #8196 POTTSTOWN, PA

## System/Unit: AHU/RTU

Asset: RTU3

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5623L03721
Model Num	LGT060H4E	LGT060H4EB1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29x14.5
Num Final Filter 1	-	4
Final Filter Size 1	-	20x20x2

Motor Data		
	Design	Actual
Horsepower	1	1
Phase	3	1
Rated Voltage	208	208
Rated Amperage	-	7.4

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	1963
SF RPM	-	DD
MOTOR RPM	-	DD
RA CFM	1635	1583
OA CFM	365	380
RL Voltage	-	210
RL Amperage	-	4.8
SF System SetPt	-	63%
RA Damper Position	-	88%
OA Damper Position	-	12%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.26"
Fan Suction SP	-	-0.37"
Fan Discharge SP	-	0.32"
Total ESP	0.50"	0.58"
Fan Total SP	-	0.69"

Completed By: Mark Johnson on 05/21/2025

### Unit Data - PHOTO LOG



05/19/2025



# National TAB

Project:05-19-25 WAWA #8196 POTTSTOWN, PA

## 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	CD3	6"	100	1	111	119	94	94.0
SGRD2	RETAIL	LD1	6"	225	1	157	168	206	91.6
SGRD3	RETAIL	LD1	6"	250	1	175	187	226	90.4
SGRD4	RETAIL	CD1	8"	250	1	206	220	243	97.2
SGRD5	RETAIL	LD1	8"	250	1	214	229	273	109.2
SGRD6	RETAIL	CD2	10"	300	1	456	487	291	97.0
SGRD7	RETAIL	CD1	8"	250	1	194	207	256	102.4
SGRD8	RETAIL	CD1	8"	250	1	224	239	243	97.2
SGRD9	RESTROOMS	CD3	6"	75	1	113	121	80	106.7
SGRD10	WOMENS RR	CD3	6"	50	1	89	95	51	102.0
Total				2000		1939	2072	1963	98.15%



# National TAB

Project: 05-19-25 WAWA #8196 POTTSTOWN, PA

## System/Unit: FAN - Exhaust

Asset: EF1

AREA:DELI FANS

Unit Data		
	Design	Actual
MFG	PENNBARRY	GREENHECK
Model Num	DX13Q	G-130-B-4-1-19-X
Serial Num	-	25885086
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	48Y
Horsepower	1/4	1/4
Motor Rpm	-	1140
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.2
Service Factor	-	1.00

Test Data		
	Design	Actual
CFM	775	794
Fan RPM	1725	1140
Fan Rotation	-	CW
Motor RPM	-	1140
System SetPt	-	MAX
RL Voltage	-	121
RL Amperage	-	2.4
Total ESP	0.375"	0.33"
Fan Inlet SP	-	-0.33"
Fan Discharge SP	-	ATM

Completed By: Mark Johnson on 05/21/2025

### Unit Data - PHOTO LOG



05/19/2025



# National TAB

Project:05-19-25 WAWA #8196 POTTSTOWN, PA

## FAN - Exhaust

### Diffuser Ret/Exh (GRD)

#### EF1/DELI FANS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	STAGING ROOM	G1	6"	100	1	115	107	107	107.0
EGRD2	FOOD SERVICE #2	G1	6"	225	1	327	244	244	108.4
EGRD3	FOOD SERVICE #1	G1	12"	225	1	238	235	235	104.4
EGRD4	FOOD SERVICE #1	G1	8"	225	1	163	208	208	92.4
Total				775		843	794	794	102.45%



# National TAB

Project: 05-19-25 WAWA #8196 POTTSTOWN, PA

## System/Unit: FAN - Exhaust

Asset: EF2

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	PENNBARRY	GREENHECK
Model Num	DX10S	G-080-E--1-17-X
Serial Num	-	25885088
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	1/25	1/15
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	1.2
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	250	253
Fan RPM	1300	1550
Fan Rotation	-	CW
Motor RPM	-	1550
System SetPt	-	MAX
RL Voltage	-	115
RL Amperage	-	1.1
Total ESP	.250"	0.21"
Fan Inlet SP	-	-0.21"
Fan Discharge SP	-	ATM

Completed By: Mark Johnson on 05/27/2025

### Unit Data - PHOTO LOG



05/19/2025



# National TAB

Project:05-19-25 WAWA #8196 POTTSTOWN, PA

## FAN - Exhaust

Diffuser Ret/Exh (GRD)

### EF2/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MENS RR	G3	6"	150	1	60	68	152	101.3
EGRD2	WOMENS RR	G3	6"	100	1	55	69	101	101.0
Total				250		115	137	253	101.2%



# National TAB

Project: 05-19-25 WAWA #8196 POTTSTOWN, PA

## System/Unit: FAN - Exhaust

Asset: EF3

AREA:WATER ROOM

Unit Data		
	Design	Actual
MFG	PENNBARRY	GREENHECK
Model Num	DX08Q	G-070-D--1-17-X
Serial Num	-	25885087
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	100	102
Fan RPM	1725	1550
Fan Rotation	-	CW
Motor RPM	-	1550
System SetPt	-	MAX
RL Voltage	-	122
RL Amperage	-	1.0
Total ESP	0.125"	0.12"
Fan Inlet SP	-	-0.12"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	1/6	1/30
Motor Rpm	-	1550/1300/1050
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.1
Service Factor	-	NL

Completed By: Mark Johnson on 05/27/2025

### Unit Data - PHOTO LOG



05/19/2025

5  
4  
3  
2  
1  
12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

