Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 07/18/2025

Completed By: National TAB

PROJECT

07-07-25 WAWA #5453 OCALA, FL

US 301 & SE 52nd ST

OCALA, FL 34480

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 07-07-25 WAWA #5453 OCALA, FL

Table Of Contents

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

- Diffusers 1-14, 1-15 - Low Flow
- EF-1 - High Flow

Project Issue Information

Issue Name : Diffusers 1-14, 1-15 - Low Flow

Description : Supply diffusers 1-14 and 1-15 (rear vestibule, men's restroom) are at 75% and 85% of design, respectively. Dampers are fully open. Flex was adjusted and shortened by MC to improve airflow slightly. Further balancing would be a detriment to overall unit performance. No further action required as long as there are no comfort complaints.

Created By : National TAB

Assigned To : National TAB - Dan Hertenstein

Status : Open

Priority : InfoOnly

Asset Tag :

Originated Date : 07/13/2025 - Mark Johnson - National TAB

Project Issue File Details

07/13/2025

Project Issue Response Details

- **02/26/2026 National TAB - Stephen Tassinaro**
  - NTi technicians as well as the Wawa managers noted that these diffusers are not causing any comfort issues in the space.

Project Issue Information

Issue Name : EF-1 - High Flow

Description : EF-1 is currently running at 913 CFM (114% design). Slowing the fan further causes the motor to overamp, except at extremely low speeds. All exhaust grilles are balanced proportionally to the high total. No further action required.

Created By : National TAB

Assigned To : National TAB - Dan Hertenstein

Status : Open

Priority : InfoOnly

Asset Tag :

Originated Date : 07/13/2025 - Mark Johnson - National TAB

Project Issue Response Details

- **02/26/2026 National TAB - Stephen Tassinaro**
  - This is a known and re-occurring issue with this fan. It is not expected to cause any issue in the space operating at 114% design.
- **02/19/2026 National TAB - Jackson Gunnels**
  - Re-evaluated motor. Voltage and amperage were both recorded to increase as speed controller is decreased. Fan left at maximum speed to keep amp draw below FLA.

NATIONAL TAB

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	3400	3409	2900	2904	500	505	14.7%	14.8%						
RTU-2	FOOD SERVIC	5000	4997	4500	4501	500	496	10.0%	9.9%						
RTU-3	RETAIL	3000	3032	2700	2721	300	311	10.0%	10.3%						
EF-1	BOH													800	913
EF-32	WATER ROOM													60	57
TOTALS		11400	11438	10100	10126	1300	1312			0	0	0	0	860	970

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1300	1312
TOTAL EXHAUST	860	970
NET AIRFLOW	440	342

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.0085
SIDE	0.0072
REAR	0.0084
AVERAGE	**0.008**

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 9/4
- 02: LENNOX SETUP PARAMETERS 9/4
- 03: SENSOR WIRING (LENNOX) 9/4
- 04: EF'S 9/4
- 05: CLOSEOUT CHECKS 9/4

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CheckList Information

Name :	01: RTU's/AHU's 9/4	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	07/07/2025 - Tara Metcalf - National TAB		
Completed Date :	02/26/2026 - Jackson Gunnels - 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?	N/A
Comment: Electric Heat	
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 diffusers 1-14 and 1-15 - 75% and 80% of 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=56°F // RTU 2: EAT=70°F, LAT=56°F // RTU 3: EAT=74°F, LAT=57°F	
Heating mode is operational? Record EAT/LAT for each unit:	Pass
Comment: RTU 1: EAT=77°F, LAT=87°F // RTU 2: N/A // RTU 3: EAT=77°F, LAT=87°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=73°F, LAT=69°F // RTU 2: EAT=75°F, LAT=74°F // RTU 3: EAT=75°F, LAT=71°F

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CheckList Information

Name :	02: LENNOX SETUP PARAMETERS 9/4	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	07/07/2025 - Tara Metcalf - National TAB		
Completed Date :	07/13/2025 - 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 MSET

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: 61% // RTU 2: 89% // RTU 3: 60%

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) 9/4	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	07/07/2025 - Tara Metcalf - National TAB		
Completed Date :	07/13/2025 - 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: 52% // RTU 2: 62% // RTU 3: 57%

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CheckList Information

Name :	04: EF'S 9/4	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	07/07/2025 - Tara Metcalf - National TAB		
Completed Date :	07/13/2025 - Mark Johnson - National TAB		

CheckList Item Details

EF's

Rotation is correct?	Pass
Comment:	
Belts are tight (if applicable)?	N/A
Comment: Direct Drive	
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%?	Fail
Comment:	
EF-1 total flow = +14% design. All grilles are balanced proportionally to the high total.	

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CheckList Information

Name :	05: CLOSEOUT CHECKS 9/4	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	07/07/2025 - Tara Metcalf - National TAB		
Completed Date :	07/13/2025 - 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:	

National TAB

Project: 07-07-25 WAWA #5453 OCALA, FL

System/Unit: AHU/RTU

Asset: RTU1 AREA:RETAIL

Unit Data		
	Design	**Actual**
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624J04435
Model Num	LCT102H4E	LCT102H4EG1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	23x14
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	EBMPAPST
Frame	-	N/A
Horsepower	3.75	3.8
Motor Rpm	-	2200
Phase	3	3
Rated Voltage	207	200-240
Rated Amperage	-	8.7
Service Factor	-	N/A

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	3409
SF RPM	-	1342
MOTOR RPM	-	1342
RA CFM	2900	2904
OA CFM	500	505
RL Voltage	-	212/213/213
RL Amperage	-	2.7/2.7/2.6
SF System SetPt	-	61%
OA Damper Position	-	42%
OA Damper Type	-	SINGLE BLADE

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.31”
Fan Suction SP	-	-0.59”
Fan Discharge SP	-	0.31”
Total ESP	.50"	0.62”
Fan Total SP	-	0.90”

Completed By: Mark Johnson on 07/11/2025

Unit Data - PHOTO LOG

07/07/2025

National TAB

Project:07-07-25 WAWA #5453 OCALA, FL

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	RETAIL	LD1	10"	300	1	535	357	295	98.3
SGRD2	RETAIL	LD1	10"	300	1	139	334	304	101.3
SGRD3	RETAIL	LD1	10"	300	1	442	308	324	108.0
SGRD4	OFFICE	CD1	8"	150	1	289	208	153	102.0
SGRD5	ASSOCIATES	CD1	8"	150	1	221	164	150	100.0
SGRD6	RETAIL	LD1	10"	300	1	454	337	308	102.7
SGRD7	RETAIL	LD1	10"	310	1	115	197	319	102.9
SGRD8	RETAIL	LD1	10"	310	1	541	420	331	106.8
SGRD9	RETAIL	LD1	10"	285	1	419	303	280	98.2
SGRD10	DELIVERY VESTIBLE	CD1	8"	200	1	65	190	201	100.5
SGRD11	RETAIL	LD1	10"	285	1	444	312	281	98.6
SGRD12	RETAIL	LD1	10"	285	1	335	260	277	97.2
SGRD13	WOMENS RR	CD3	6"	50	1	75	64	51	102.0
SGRD14	REAR VESTIBLE	CD3	6"	100	1	89	57	75	75.0
SGRD15	MENS RR	CD3	6"	75	1	81	70	60	80.0
Total				3400		4244	3581	3409	100.26%

National TAB

Project: 07-07-25 WAWA #5453 OCALA, FL

System/Unit: AHU/RTU

Asset: RTU2 AREA:FOOD SERVICE

Unit Data		
	Design	**Actual**
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624J04436
Model Num	LCT150H4E	LCT150H4EN1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	23x14
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	EBMPAPST
Frame	-	N/A
Horsepower	3.75	3.8
Motor Rpm	-	2200
Phase	3	3
Rated Voltage	208	200-240
Rated Amperage	-	8.7
Service Factor	-	N/A

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	4997
SF RPM	-	1958
MOTOR RPM	-	1958
RA CFM	4500	4501
OA CFM	500	496
RL Voltage	-	213/212/213
RL Amperage	-	6.6/6.5/6.5
SF System SetPt	-	89%
OA Damper Position	-	37%
OA Damper Type	-	SINGLE BLADE

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.58”
Fan Suction SP	-	-1.19”
Fan Discharge SP	-	0.42”
Total ESP	.50"	1.00”
Fan Total SP	-	1.61”

Completed By: Mark Johnson on 07/11/2025

Unit Data - PHOTO LOG

07/07/2025

National TAB

Project:07-07-25 WAWA #5453 OCALA, FL

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	STAGING	CD1	6"	75	1	131	125	81	108.0
SGRD2	ELECTRICAL ROOM	CD1	12"	550	1	521	496	584	106.2
SGRD3	BACKROOM	CD1	12"	500	1	583	514	485	97.0
SGRD4	BACKROOM	CD1	10"	375	1	88	367	384	102.4
SGRD5	FOOD SERVICE	CD1	12"	500	1	425	402	467	93.4
SGRD6	FOOD SERV 2	LD1	12"	500	1	589	584	506	101.2
SGRD7	FOOD SERV2	LD1	12"	500	1	343	301	452	90.4
SGRD8	FOOD SERV2	LD1	12"	500	1	546	556	516	103.2
SGRD9	FOOD SERV2	LD1	12"	500	1	530	549	478	95.6
SGRD10	FOOD SERV2	LD1	12"	500	1	400	389	539	107.8
SGRD11	FOOD SERV2	LD1	12"	500	1	381	687	505	101.0
Total				5000		4537	4970	4997	99.94%

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	BACKROOM	G1	14"	900	1.134	1259	949	949	105.4
EGRD2	FOOD SERV 2	G1	14"	900	1.134	1061	838	838	93.1
EGRD3	FOOD SERV 2	G1	14"	900	1.134	123	955	955	106.1
EGRD4	FOOD SERV 2	G1	14"	900	1.134	709	947	947	105.2
EGRD5	RETAIL	G1	14"	900	1.134	1350	954	954	106.0
Total				4500		4502	4643	4643	103.18%

National TAB

Project: 07-07-25 WAWA #5453 OCALA, FL

System/Unit: AHU/RTU

Asset: RTU3 AREA:RETAIL

Unit Data		
	Design	**Actual**
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5624J02960
Model Num	LCT092H4E	LCT092H4EG1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	23x14
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	EBMPAPST
Frame	-	N/A
Horsepower	3.75	3.8
Motor Rpm	-	2200
Phase	3	3
Rated Voltage	208	200-240
Rated Amperage	-	8.7
Service Factor	-	N/A

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	3000	3032
SF RPM	-	1320
MOTOR RPM	-	1320
RA CFM	2700	2721
OA CFM	300	311
RL Voltage	-	212/213/212
RL Amperage	-	2.6/2.5/2.5
SF System SetPt	-	60%
OA Damper Position	-	32%
OA Damper Type	-	SINGLE BLADE

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.41”
Fan Suction SP	-	-0.66”
Fan Discharge SP	-	0.42”
Total ESP	.50"	0.83”
Fan Total SP	-	1.08”

Completed By: Mark Johnson on 07/11/2025

National TAB

Project:07-07-25 WAWA #5453 OCALA, FL

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	FRONT VESTIBLE	CD2	12"	500	1	706	623	510	102.0
SGRD2	RETAIL	LD1	10"	350	1	113	100	336	96.0
SGRD3	RETAIL	LD1	10"	300	1	468	413	313	104.3
SGRD4	COFFEE/SPEC	LD1	10"	300	1	362	319	326	108.7
SGRD5	COFFEE/SP	LD1	10"	300	1	471	416	289	96.3
SGRD6	RETAIL	LD1	10"	300	1	361	319	304	101.3
SGRD7	RETAI	LD1	10"	300	1	203	179	280	93.3
SGRD8	RETAIL	LD1	10"	300	1	399	352	320	106.7
SGRD9	RETAIL	LD1	10"	350	1	417	368	354	101.1
Total				3000		3500	3089	3032	101.07%

National TAB

Project: 07-07-25 WAWA #5453 OCALA, FL

System/Unit: FAN - Exhaust

Asset: EF1 AREA:BACK OF HOUSE

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	G-120	G-120-B-6-1-19-X
Serial Num	-	27049718
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	N/A
Frame	-	48Y
Horsepower	1/4	1/6
Motor Rpm	-	1140
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.2
Service Factor	-	1.00

Test Data		
	Design	**Actual**
CFM	800	913
Fan RPM	863	DD
Fan Rotation	-	CW
Motor RPM	-	DD
System SetPt	-	SPEED CONTROLLER (MARKED)
RL Voltage	-	112
RL Amperage	-	2.1
Total ESP	.250"	0.33”
Fan Inlet SP	-	-0.33”
Fan Discharge SP	-	ATM

Completed By: Mark Johnson on 07/11/2025

Notes:
Fan cannot be slowed further without overamping motor.

Written By: Mark Johnson on 07/11/2025

Unit Data - PHOTO LOG

07/07/2025

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Project:07-07-25 WAWA #5453 OCALA, FL

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF1/BACK OF HOUSE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	WOMENS RR	G3	6"	100	1	69	83	117	117.0
EGRD2	MENS RR	G3	6"	50	1	82	112	55	110.0
EGRD3	WASHROOM	G1	6"	100	1	175	138	114	114.0
EGRD4	FOOD SERVICE	G1	8"	150	1	241	187	170	113.3
EGRD5	FOOD SERV. 2	G1	8"	150	1	152	195	177	118.0
EGRD6	FOOD SERV. 2	G1	6"	150	1	193	184	167	111.3
EGRD7	FOOD SERV. 2	G3	18"	100	1	80	76	113	113.0
Total				800		992	975	913	114.13%

National TAB

Project: 07-07-25 WAWA #5453 OCALA, FL

System/Unit: FAN - Exhaust

Asset: EF2 AREA:WATER ROOM

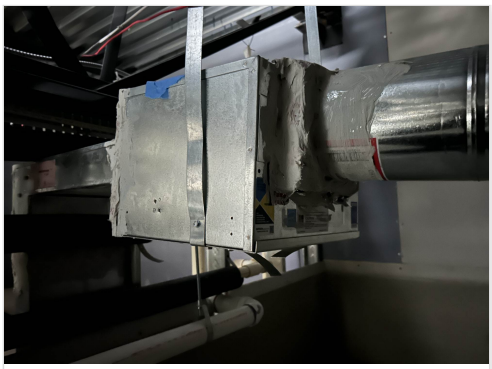
Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	CSP-B110	CSP-A110-QD
Serial Num	-	26942512
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	GREENHECK
Frame	-	N/A
Horsepower	-	N/A
Motor Rpm	-	950
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.19
Service Factor	-	N/A

Test Data		
	Design	**Actual**
CFM	60	57
Fan RPM	584	950
Fan Rotation	-	CORRECT
Motor RPM	-	950
System SetPt	-	MAX
RL Voltage	-	124
RL Amperage	-	0.2

Completed By: Mark Johnson on 07/11/2025

Unit Data - PHOTO LOG



07/07/2025