Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 01/30/2026

Completed By: National TAB

PROJECT

03-23-26 WAWA #7219 LIMA, OH

1319 BREESE RD W

LIMA, OH 45806

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 03-23-26 WAWA #7219 LIMA, OH

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

Issue List

- EF-1 DIFFUSERS LOW FLOW
- EF-3 LOW FLOW
- RTU ALARM - HUMIDITY

03-23-26 WAWA #7219 LIMA, OH

Project Issue Information

Issue Name : EF-1 DIFFUSERS LOW FLOW

Description : EF-1 diffusers read a total of 945cfm out of 1500cfm required by design. Motor sheave is fully tightened; motor is operating at maximum amperage and has a speed control equipped. No duct leakage detected. Exhaust fan ductwork pictured.

Created By :	National TAB	**Assigned To :**	National TAB - Noah Stafford
Status :	Open		
Priority :	Urgent	**Asset Tag :**	
Originated Date :	01/28/2026 - Noah Stafford - National TAB		

Project Issue File Details

01/29/2026

01/29/2026

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Project Issue Information

Issue Name : EF-3 LOW FLOW

Description : EF-3 can only exhaust 57cfm out of 200cfm required by design, even at full speed. Restriction due to backdraft damper unlikely as fan was at low flow even before ductwork was completed.

Created By :	National TAB	**Assigned To :**	National TAB - Noah Stafford
Status :	Open		
Priority :	Urgent	**Asset Tag :**	
Originated Date :	01/29/2026 - Noah Stafford - National TAB		

Project Issue Response Details

- **03/05/2026 National TAB - Stephen Tassinaro**
  - Recommend inspecting backdraft damper.

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Project Issue Information

Issue Name : RTU ALARM - HUMIDITY

Description : RTU-2 has error code 76: humidity sensor. Update 3/25/2025: RTU-2 and RTU-4 both have error code 76: humidity sensor.

Created By : National TAB

Assigned To : National TAB - Noah Stafford

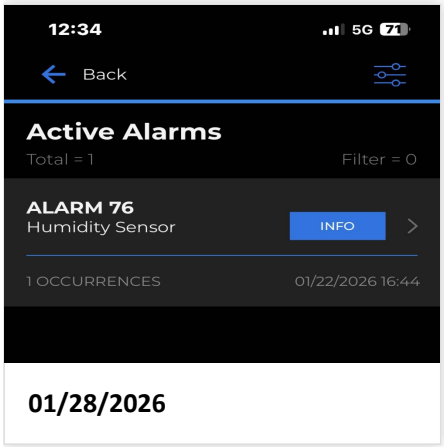
Status : Open

Priority : High

Asset Tag :

Originated Date : 01/28/2026 - Noah Stafford - National TAB

Project Issue File Details



01/28/2026

Project Issue Response Details

- **03/05/2026 National TAB - Stephen Tassinaro**
  - Correct wiring and function of the humidity sensor and dehumidification is critical for store comfort. Recommend repair ASAP.

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	BOH	5000	4789	4060	3761	940	1028	18.8%	21.5%						
RTU-2	SALES	4000	3803	3300	3119	700	684	17.5%	18.0%						
RTU-3	FOH	2000	2033	1600	1664	400	369	20.0%	18.2%						
RTU-4	SEATING	2000	2010	1600	1612	400	398	20.0%	19.8%						
EF-1	RESTROOMS													1500	945
EF-2	BOH													400	398
EF-3	TRASH RM													200	57
TOTALS		13000	12635	10560	10156	2440	2479			0	0	0	0	2100	1400

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2440	2479
TOTAL EXHAUST	2100	1400
NET AIRFLOW	340	1079

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.0084
SIDE	0.01
REAR	0.0106
AVERAGE	**0.0097**

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

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CheckList Information

Name :	01: RTU's/AHU's	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/17/2025 - Trinity Dodds - National TAB		
Completed Date :	03/25/2026 - Noah Stafford - 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:

RTU-2: ALARM 76- HUMIDITY SENSOR (1/25) RTU-4: ALARM 76- HUMIDITY SENSOR (3/25)

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:	N/A

Comment:

Temperature too cold to test effectively.

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

Comment:

RTU1: EAT 61F, LAT 76F RTU2: EAT 66F, LAT 138F RTU3: EAT 69F, LAT 120F RTU4: EAT 66F, LAT 83F

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

Comment:

Temperature too cold to test effectively.

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CheckList Information

Name :	02: LENNOX SETUP PARAMETERS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/17/2025 - Trinity Dodds - National TAB		
Completed Date :	01/30/2026 - Noah Stafford - 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: 97% RTU2: 79% RTU3: 85% RTU4: 86%

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 :	12/17/2025 - Trinity Dodds - National TAB		
Completed Date :	01/30/2026 - Noah Stafford - 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:	

RTU1: 8% RTU2: N/A RTU3: 9% RTU4: 11%

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CheckList Information

Name :	04: EF'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/17/2025 - Trinity Dodds - National TAB		
Completed Date :	03/25/2026 - Noah Stafford - 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)?	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 LOW FLOW EF-3 LOW FLOW	

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CheckList Information

Name :	05: CLOSEOUT CHECKS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	12/17/2025 - Trinity Dodds - National TAB		
Completed Date :	02/25/2026 - Noah Stafford - 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: 03-23-26 WAWA #7219 LIMA, OH

System/Unit: AHU/RTU

Asset: RTU-1 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L04773
Model Num	LGT150H5E	LGT150H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	15X24
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Horsepower	3.75	3.8
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7

Test Data		
	Design	**Actual**
SF CFM	5000	4789
RA CFM	4060	3761
OA CFM	940	1028
RL Voltage	-	214/213/215V
RL Amperage	-	7.6/7.5/7.4A
SF System SetPt	-	97%
OA Damper Position	-	18%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.83"
Fan Suction SP	-	-1.41"
Fan Discharge SP	-	0.97"
Total ESP	0.50"	1.80"
Fan Total SP	-	2.38"

Completed By: Noah Stafford on 03/25/2026

Notes:
Return grille 1-1 removed from drawings.

Written By: Noah Stafford on 03/25/2026

National TAB

Project:03-23-26 WAWA #7219 LIMA, OH

AHU/RTU

Diffuser Supply (GRD)

RTU-1/BOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	COFFEE	SD-4	10"	400	1	419	422	378	94.5
SGRD2	COFFEE	SD-4	10"	400	1	255	297	374	93.5
SGRD3	FOOD SERVICE	SD-4	10"	400	1	0	454	361	90.3
SGRD4	FOOD SERVICE	SD-4	10"	400	1	238	212	409	102.3
SGRD5	FOOD SERVICE	SD-4	10"	400	1	241	207	379	94.8
SGRD6	FOOD SERVICE	SD-4	10"	400	1	312	272	358	89.5
SGRD7	BOH-1	SD-1	8"	200	1	330	308	182	91.0
SGRD8	BOH-1	SD-4	10"	400	1	364	397	416	104.0
SGRD9	BOH-1	SD-4	10"	400	1	326	301	395	98.8
SGRD10	BOH-1	SD-4	10"	400	1	171	206	369	92.3
SGRD11	BOH-1	SD-4	10"	400	1	249	333	354	88.5
SGRD12	WATER ROOM	SD-2	6"	25	1	0	26	26	104.0
SGRD13	BOH-3	SD-1	8"	150	1	316	323	136	90.7
SGRD14	BOH-3	SD-1	8"	150	1	0	363	150	100.0
SGRD15	TRASH	SD-1	8"	200	1	210	205	215	107.5
SGRD16	ELECTRICAL	SD-1	8"	150	1	429	436	164	109.3
SGRD17	ELECTRICAL	SD-1	8"	125	1	320	334	133	106.4
Total				5000		4180	5096	4799	95.98%

Diffuser Ret/Exh (GRD)

RTU-1/BOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	RETAIL COOLER	RG-3	12"	300	1	0	0	0	0.0
EGRD2	FOOD SERVICE	RG-1	16X14	1155	1	0	0	1078	93.3
EGRD3	FOOD SERVICE	RG-1	16X14	1155	1	0	0	1136	98.4
EGRD4	BOH-3	RG-1	16X14	1155	1	1121	1121	1241	107.4
EGRD5	ELECTRICAL RM	RG-1	10X10	300	1			306	102.0
Total				4065		1121	1121	3761	92.52%

Asset	Notes	Date	Written By
EGRD1	Return not located. This was added on M1.0 on REV 8.	03/05/2026	Stephen Tassinaro
EGRD2	Not ducted.	03/05/2026	Stephen Tassinaro

National TAB

Project: 03-23-26 WAWA #7219 LIMA, OH

System/Unit: AHU/RTU

Asset: RTU-2 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L00824
Model Num	LGT120H5E	LGT120H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	15X24
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Horsepower	3.75	3.8
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7

Test Data		
	Design	**Actual**
SF CFM	4000	3803
RA CFM	3300	3119
OA CFM	700	684
RL Voltage	-	212/213/210V
RL Amperage	-	5.6/5.7/5.6A
SF System SetPt	-	79%
OA Damper Position	-	25%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.43"
Fan Suction SP	-	-0.74"
Fan Discharge SP	-	1.22"
Total ESP	0.70"	1.65"
Fan Total SP	-	1.96"

Completed By: Noah Stafford on 01/29/2026

National TAB

Project:03-23-26 WAWA #7219 LIMA, OH

AHU/RTU

Diffuser Supply (GRD)

RTU-2/SALES

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	RETAIL	SD-6	10"	400	1.3	384	436	362	90.5
SGRD2	RETAIL	SD-6	10"	400	1.3	404	443	393	98.3
SGRD3	RETAIL	SD-6	10"	400	1.3	212	230	373	93.3
SGRD4	RETAIL	SD-6	10"	400	1.3	464	478	389	97.3
SGRD5	RETAIL	SD-6	10"	400	1.3	526	545	375	93.8
SGRD6	DELIVERTY AREAA	SD-1	8"	225	1	67	70	199	88.4
SGRD7	ASSOCIATE AREA	SD-1	10"	300	1	150	174	304	101.3
SGRD8	NURSING	SD-2	6"	50	1	29	32	54	108.0
SGRD9	VEST	SD-5	8"	200		0	0	181	90.5
SGRD10	RETAIL	SD-6	10"	400	1.3	859	598	368	92.0
SGRD11	CLEANING	SD-1	6"	100	1	161	118	91	91.0
SGRD12	FAMILY	SD-2	6"	75	1	91	88	70	93.3
SGRD13	WOMEN'S RR	SD-3	10"	300	1	139	146	295	98.3
SGRD14	MEN'S RR	SD-3	10"	300	1	349	350	294	98.0
SGRD15	CLOSET	SD-2	6"	50	1	29	58	55	110.0
Total				4000		3864	3766	3803	95.08%

Diffuser Ret/Exh (GRD)

RTU-2/SALES

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	SALES	NA	48X22	3300	1	3119	3119	3119	94.5
Total				3300		3119	3119	3119	94.52%

National TAB

Project: 03-23-26 WAWA #7219 LIMA, OH

System/Unit: AHU/RTU

Asset: RTU-3 AREA:FOH

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L05763
Model Num	LGT060H5E	LGT060H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	15X15
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	**Actual**
Horsepower	1.00	1
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.4

Test Data		
	Design	**Actual**
SF CFM	2000	2033
RA CFM	1600	1664
OA CFM	400	369
RL Voltage	-	215/214/215V
RL Amperage	-	8.7/8.6/8.7A
SF System SetPt	-	59%
OA Damper Position	-	22%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.27"
Fan Suction SP	-	-0.44"
Fan Discharge SP	-	0.74"
Total ESP	0.50"	1.01"
Fan Total SP	-	1.18"

Completed By: Noah Stafford on 03/25/2026

National TAB

Project:03-23-26 WAWA #7219 LIMA, OH

AHU/RTU

Diffuser Supply (GRD)

RTU-3/FOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	VEST	SD-5	10"	300	1.2	70	216	321	107.0
SGRD2	RETAIL	SD-8	10"	400	2.66	405	420	420	105.0
SGRD3	RETAIL	SD-8	10"	400	2.66	221	363	363	90.8
SGRD4	RETAIL	SD-1	10"	325	1	506	334	334	102.8
SGRD5	RETAIL	SD-1	10"	325	1	424	333	333	102.5
SGRD6	OFFICE	SD-1	8"	250	1	166	262	262	104.8
Total				2000		1792	1928	2033	101.65%

Diffuser Ret/Exh (GRD)

RTU-3/FOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	OFFICE	RG-1	10"	250	1			214	85.6
EGRD2	SALES	NA	24X14	1350	1	1559	1559	1450	107.4
Total				1600		1559	1559	1664	104%

Completed By: Noah Stafford on 03/25/2026

National TAB

Project: 03-23-26 WAWA #7219 LIMA, OH

System/Unit: AHU/RTU

Asset: RTU-4 AREA:SEATING

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L05772
Model Num	LGT060H5E	LGT060H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	15X15
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	**Actual**
Horsepower	1.00	1
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.4

Test Data		
	Design	**Actual**
SF CFM	2000	2010
RA CFM	1600	1612
OA CFM	400	398
RL Voltage	-	217/216/216V
RL Amperage	-	8.4/8.4/8.5A
SF System SetPt	-	86%
OA Damper Position	-	23%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.26"
Fan Suction SP	-	-0.46"
Fan Discharge SP	-	0.42"
Total ESP	0.50"	0.68"
Fan Total SP	-	0.88"

Completed By: Noah Stafford on 01/29/2026

National TAB

Project:03-23-26 WAWA #7219 LIMA, OH

AHU/RTU

Diffuser Supply (GRD)

RTU-4/SEATING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	RETAIL	SD-6	10"	400	1.14	611	533	429	107.3
SGRD2	SEATING AREA	SD-7	16"	400	1.67	296	408	379	94.8
SGRD3	SEATING AREA	SD-7	16"	400	1.67	0	251	397	99.3
SGRD4	SEATING AREA	SD-7	16"	400	1.67	0	0	419	104.8
SGRD5	RETAIL	SD-6	10"	400	1.14	703	643	386	96.5
Total				2000		1610	1835	2010	100.5%

Diffuser Ret/Exh (GRD)

RTU-4/SEATING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	SELF SERVICE BEVERAGE	NA	24X14	1600	1	1612	1612	1612	100.8
Total				1600		1612	1612	1612	100.75%

National TAB

Project: 03-23-26 WAWA #7219 LIMA, OH

System/Unit: FAN - Exhaust

Asset: EF-1 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GB-130	GB-130-3-1-19-X
Serial Num	-	28025566
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	US MOTORS
Horsepower	0.25	0.33
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	5.8
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	VP40 4"
Motor Bore Size	0.5"
Fan Sheave Size	4.25"
Fan Sheave Bore	0.75"
Belt CL Distance	5"
Num of Belts	1
Belt Size	A20

Test Data		
	Design	**Actual**
CFM	1500	945
Fan RPM	-	1363
Fan Rotation	-	CCW
Motor RPM	-	1725
RL Voltage	-	115V
RL Amperage	-	5.8A
Suction ESP	-	-0.43"
Discharge ESP	-	ATM
Total ESP	0.55"	0.43"

Completed By: Noah Stafford on 03/25/2026

Notes:
TOTAL AIRFLOW LOW

Written By: Noah Stafford on 03/25/2026

National TAB

Project:03-23-26 WAWA #7219 LIMA, OH

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-1/RESTROOMS

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	CLOSET	EG-1	6X6	100	1	69	69	82	82.0
EGRD2	FAMILY	EG-1	6X6	100	1	78	85	102	102.0
EGRD3	MEN'S RR	EG-1	10X10	425	1	118	281	294	69.2
EGRD4	MEN'S RR	EG-1	10X10	425	1	272	204	260	61.2
EGRD5	WOMEN'S RR	EG-1	10X10	450	1	189	117	207	46.0
Total				1500		726	756	945	63%

National TAB

Project: 03-23-26 WAWA #7219 LIMA, OH

System/Unit: FAN - Exhaust

Asset: EF-2 AREA:BACK OF HOUSE

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	G-090-VG	G-090-VG-1-17-X
Serial Num	-	28025567
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI GREEN
Horsepower	0.167	0.10
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.38

Test Data		
	Design	**Actual**
CFM	400	398
Fan Rotation	-	CW
System SetPt	-	70%
RL Voltage	-	115V
RL Amperage	-	1.3A
Total ESP	0.38"	0.25”
Fan Inlet SP	-	-0.25”
Fan Discharge SP	-	ATM

Completed By: Noah Stafford on 03/25/2026

National TAB

Project:03-23-26 WAWA #7219 LIMA, OH

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-2/BACK OF HOUSE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	FOOD SERVICE	RG-2	8X8	200	1	84	193	186	93.0
EGRD2	BOH-1	RG-2	8X8	200	1	36	249	212	106.0
Total				400		120	442	398	99.5%

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National TAB

Project: 03-23-26 WAWA #7219 LIMA, OH

System/Unit: FAN - Exhaust

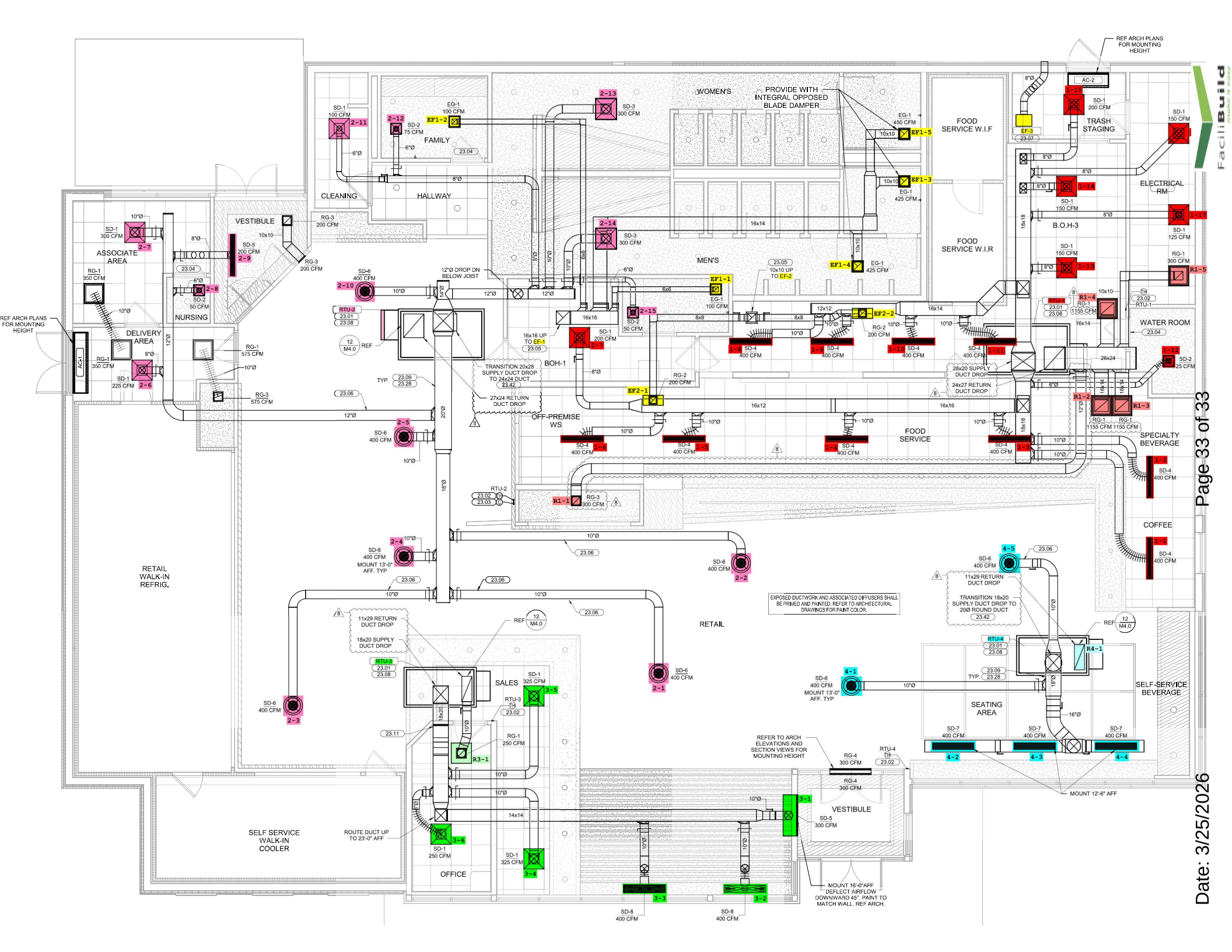
Asset: EF-3 AREA:TRASH ROOM

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	SP-B200	SP-B200
Serial Num	-	28025018
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	**Actual**
CFM	200	57
Fan Rotation	-	CCW
System SetPt	-	100%
RL Voltage	-	115V
RL Amperage	-	1.7A

Motor Data		
	Design	**Actual**
Motor MFG	-	GREENHECK
Horsepower	0.167	0.033
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.7

Completed By: Noah Stafford on 03/25/2026



Date: 3/25/2026