Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 07/31/2025

Completed By: National TAB

PROJECT

07-28-25 WAWA #7400 GREENFIELD, IN

5980 W. MEMORY LANE

CUMBERLAND , IN 64229

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 07-28-25 WAWA #7400 GREENFIELD, IN

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.

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Issue List

- EF-3 low on flow
- RTU-1 Zone sensor Alarm
- RTU-2 alarm low pressure switch
- RTU-3 Not operational
- RTU-3 OA hood assembly

07-28-25 WAWA #7400 GREENFIELD, IN

Project Issue Information

Issue Name : EF-3 low on flow

Description : EF-3 is low on flow at 127/200CFM. unable to change speeds as the fan is missing the speed controller. Per plans it should have a speed controller installed for speed adjustment. Recommend installing speed controller so it can be sped up.

Created By : National TAB

Assigned To : National TAB - Dylan Crisman

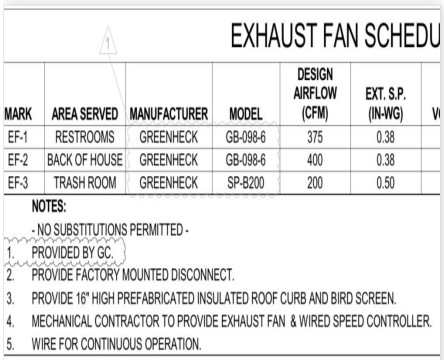
Status : Open

Priority : High

Asset Tag :

Originated Date : 07/29/2025 - Dylan Crisman - National TAB

Project Issue File Details



EXHAUST FAN SCHEDU

MARK	AREA SERVED	MANUFACTURER	MODEL	DESIGN AIRFLOW (CFM)	EXT. S.P. (IN-WG)	V
EF-1	RESTROOMS	GREENHECK	GB-098-6	375	0.38	
EF-2	BACK OF HOUSE	GREENHECK	GB-098-6	400	0.38	
EF-3	TRASH ROOM	GREENHECK	SP-B200	200	0.50	

NOTES:
- NO SUBSTITUTIONS PERMITTED -
1. PROVIDED BY GC.
2. PROVIDE FACTORY MOUNTED DISCONNECT.
3. PROVIDE 16" HIGH PREFABRICATED INSULATED ROOF CURB AND BIRD SCREEN.
4. MECHANICAL CONTRACTOR TO PROVIDE EXHAUST FAN & WIRED SPEED CONTROLLER.
5. WIRE FOR CONTINUOUS OPERATION.

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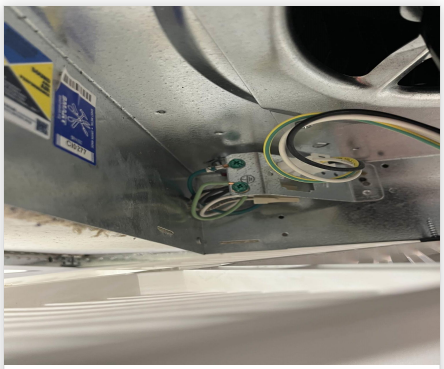

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Project Issue Information

Issue Name : RTU-1 Zone sensor Alarm

Description : RTU-1 has an alarm for zone sensor, recommend inspecting wiring at space sensor and confirm wires are landed properly from the sensor to wiring at the units electric panel.

Created By : National TAB

Assigned To : National TAB - Dylan Crisman

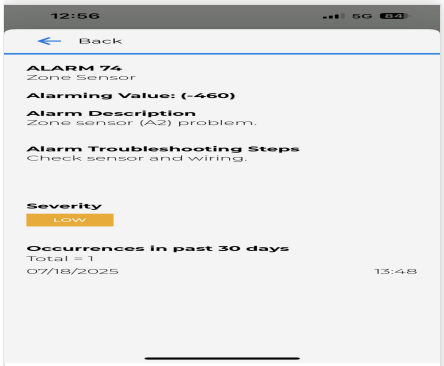
Status : Open

Priority : High

Asset Tag :

Originated Date : 07/28/2025 - Dylan Crisman - National TAB

Project Issue File Details



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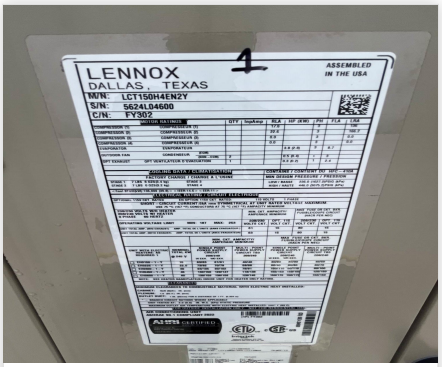

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Project Issue Information

Issue Name : RTU-2 alarm low pressure switch

Description : RTU-2 shows alarm for “low pressure switch compressor 1 recommend mechanical service to correct issue with compressor.

Created By : National TAB

Assigned To : National TAB - Dylan Crisman

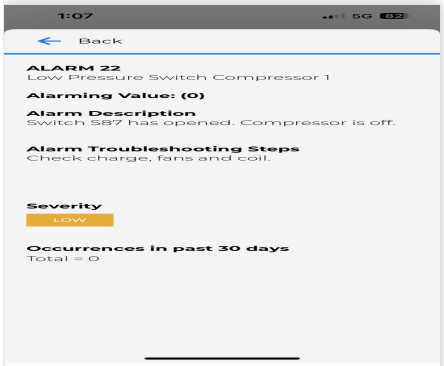
Status : Open

Priority : High

Asset Tag :

Originated Date : 07/28/2025 - Dylan Crisman - National TAB

Project Issue File Details



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Project Issue Information

Issue Name :	RTU-3 Not operational		
Description :	RTU-3 Is not operational, it was throwing an alarm for DSI Board which is a heating component, once the mechanical got this corrected. it is now throwing a line voltage mismatch alarm and they were unsuccessful in resolving while on site. Mechanical stated they will return to correct this issue once they get in contact with lennox tech support.		
Created By :	National TAB	**Assigned To :**	National TAB - Dylan Crisman
Status :	Open		
Priority :	Urgent	**Asset Tag :**	
Originated Date :	07/29/2025 - Dylan Crisman - National TAB		

07-28-25 WAWA #7400 GREENFIELD, IN

Project Issue Information

Issue Name : RTU-3 OA hood assembly

Description : RTU-3 components for the OA hood is not fully installed. Recommend mechanical install OA hood for proper functionality of OA intake and avoid debris getting into the mixed air compartment.

Created By : National TAB

Assigned To : National TAB - Dylan Crisman

Status : Open

Priority : Urgent

Asset Tag :

Originated Date : 07/28/2025 - Dylan Crisman - National TAB

Project Issue File Details

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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	BOH	4500	4593	3800	3874	700	719	15.6%	15.7%						
RTU-2	SALES	3400	3474	3020	3068	380	406	11.2%	11.7%						
RTU-3	FOH	2400	0	2200	0	200	0	8.3%	#DIV/0!						
EF-1	RESTROOMS													375	366
EF-2	BOH													400	413
EF-3	TRASH ROOM													200	127
TOTALS		10300	8067	9020	6942	1280	1125			0	0	0	0	975	906

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1280	1125
TOTAL EXHAUST	975	906
NET AIRFLOW	305	219

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.0034
SIDE	
REAR	0.0011
AVERAGE	**0.0023**

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:

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CheckList List

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

07-28-25 WAWA #7400 GREENFIELD, IN

CheckList Information

Name :	01: RTU's/AHU's	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	06/25/2025 - Tara Metcalf - National TAB		
Completed Date :	07/31/2025 - Dylan Crisman - 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?	Fail

Comment:

Issues Created.

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:

RTU-1: 73.3F / DAT: 57.7F RTU-2: 74.1F / DAT: 57.0F RTU-3: 71.5F / DAT: 56.2F

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

Comment:

RTU-1: 74.1F / DAT: 89.0F RTU-2: 73.5F / DAT: 88.3F RTU-3: 74.7F / DAT: 90.1F

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

Comment:

RTU-1: 70.6F / DAT:67.7F RTU-2: 71.0F / DAT: 66.5F RTU-3: 71.1F / DAT: 66.5F

07-28-25 WAWA #7400 GREENFIELD, IN

CheckList Information

Name :	02: LENNOX SETUP PARAMETERS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	06/25/2025 - Tara Metcalf - National TAB		
Completed Date :	07/29/2025 - Dylan Crisman - 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:

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:	

07-28-25 WAWA #7400 GREENFIELD, IN

CheckList Information

Name :	03: SENSOR WIRING (LENNOX)	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	06/25/2025 - Tara Metcalf - National TAB		
Completed Date :	07/29/2025 - Dylan Crisman - 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:	

07-28-25 WAWA #7400 GREENFIELD, IN

CheckList Information

Name :	04: EF'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	06/25/2025 - Tara Metcalf - National TAB		
Completed Date :	07/31/2025 - Dylan Crisman - 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%?	Pass
Comment:	

07-28-25 WAWA #7400 GREENFIELD, IN

CheckList Information

Name :	05: CLOSEOUT CHECKS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	06/25/2025 - Tara Metcalf - National TAB		
Completed Date :	07/31/2025 - Dylan Crisman - National TAB		

CheckList Item Details

SPACE COMFORT

Is space free of drafting?	Pass
Comment:	

Is space comfortable in all areas?	Fail
Comment:	

RTU-3 is not running, front of store is hotter than the rest.

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:	

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Project: 07-28-25 WAWA #7400 GREENFIELD, IN

System/Unit: AHU/RTU

Asset: RTU1 AREA:BACK OF HOUSE

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L04600
Model Num	LCT150H4E	LCT150H4EN2Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

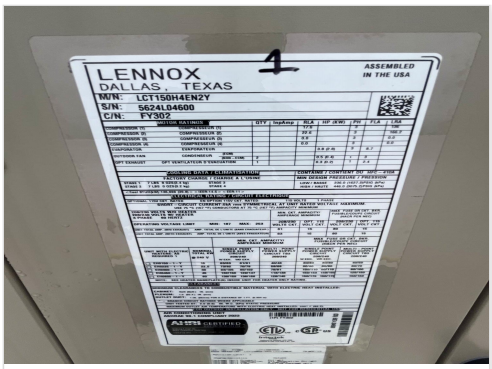
Motor Data		
	Design	**Actual**
Motor MFG	-	EBMPAPST
Frame	-	IP55
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.0
Service Factor	-	1.15

Test Data		
	Design	**Actual**
SF CFM	4500	4593
SF RPM	-	1424
MOTOR RPM	-	1424
RA CFM	3800	3874
OA CFM	700	719
RL Voltage	-	208/208/209
RL Amperage	-	4.4/4.3/4.4
SF System SetPt	-	80%
RA Damper Position	-	MECHANICAL LINKAGE
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	18%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.52”
Fan Suction SP	-	-0.93”
Fan Discharge SP	-	0.53”
Total ESP	.70"	1.05"
Fan Total SP	-	1.46"

Completed By: Dylan Crisman on 07/29/2025

Unit Data - PHOTO LOG



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National TAB

Project:07-28-25 WAWA #7400 GREENFIELD, IN

AHU/RTU

Diffuser Supply (GRD)

RTU1/BACK OF HOUSE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	TRASH/STAGING	SD1	10"	300	1.0	101	308	300	100.0
SGRD2	BOH	SD6	10"	400	1.0	620	419	408	102.0
SGRD3	BOH	SD6	10"	425	1.0	490	461	449	105.6
SGRD4	BOH	SD6	10"	500	1.0	608	541	527	105.4
SGRD5	BOH	SD6	10"	425	1.0	482	445	434	102.1
SGRD6	BOH	SD6	10"	400	1.0	477	410	412	103.0
SGRD7	BOH	SD6	10"	400	1.0	452	402	392	98.0
SGRD8	BOH	SD6	10"	425	1.0	375	452	441	103.8
SGRD9	BOH	SD6	10"	425	1.0	424	440	418	98.4
SGRD10	ELECTRICAL ROOM	SD1	10"	425	1.0	445	442	431	101.4
SGRD11	ELECTRICAL ROOM	SD1	10:	375	1.0	397	391	381	101.6
Total				4500		4871	4711	4593	102.07%

Diffuser Ret/Exh (GRD)

RTU1/BACK OF HOUSE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	BOH	RG1	14"	870	1.0	859	837	721	82.9
EGRD2	BOH	RG1	14"	870	1.0	853	832	741	85.2
EGRD3	BOH	RG1	14"	865	1.0	648	632	758	87.6
EGRD4	WASHROOM	RG1	16X14	1200	1.0	947	923	1017	84.8
Total				3805		3307	3224	3237	85.07%

Completed By: Dylan Crisman on 07/29/2025

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Project: 07-28-25 WAWA #7400 GREENFIELD, IN

System/Unit: AHU/RTU

Asset: RTU2 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624L03994
Model Num	LGT102H4E	LGT102H4ES2Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	EBMPAPST
Frame	-	IP55
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.0
Service Factor	-	1.15

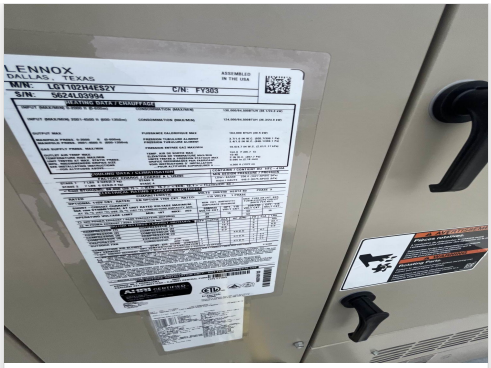
Test Data		
	Design	**Actual**
SF CFM	3400	3474
SF RPM	-	961
MOTOR RPM	-	961
RA CFM	3020	3068
OA CFM	380	406
RL Voltage	-	208/206/209
RL Amperage	-	1.6/1.7/1.7
SF System SetPt	-	54%
RA Damper Position	-	MECHANICAL LINKAGE
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	27%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.32”
Fan Suction SP	-	-0.47”
Fan Discharge SP	-	0.25”
Total ESP	1.00"	0.57"
Fan Total SP	-	0.72"

Completed By: Dylan Crisman on 07/29/2025

Unit Data - PHOTO LOG

07/28/2025



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National TAB

Project:07-28-25 WAWA #7400 GREENFIELD, IN

AHU/RTU

Diffuser Supply (GRD)

RTU2/SALES

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	SALES FLOOR	SD2	12"	275	0.46	321	303	282	102.5
SGRD2	SALES FLOOR	SD2	12"	275	0.46	326	309	292	106.2
SGRD3	SALES FLOOR	SD2	12"	275	0.46	270	257	268	97.5
SGRD4	SALES FLOOR	SD2	12"	275	0.46	269	255	280	101.8
SGRD5	SALES FLOOR	SD2	12"	300	0.46	257	243	311	103.7
SGRD6	SALES FLOOR	SD2	16"	275	0.46	361	342	286	104.0
SGRD7	SALES FLOOR	SD2	20"	275	0.46	274	259	275	100.0
SGRD8	SALES FLOOR	SD2	12"	275	0.46	264	250	286	104.0
SGRD9	SALES FLOOR	SD2	16"	275	0.46	404	382	276	100.4
SGRD10	WOMENS RR	SD5	8"	100	1.0	177	167	104	104.0
SGRD11	RR HALLWAY	SD1	8"	200	1.0	187	177	201	100.5
SGRD12	VESTIBULE	SD5	8"	200	1.0	221	209	210	105.0
SGRD13	MENS RR	SD5	8"	150	1.0	188	178	144	96.0
SGRD14	BOH	SD1	8"	250	1.0	221	209	259	103.6
Total				3400		3740	3540	3474	102.18%

Completed By: Dylan Crisman on 07/29/2025

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Project: 07-28-25 WAWA #7400 GREENFIELD, IN

System/Unit: AHU/RTU

Asset: RTU3 AREA:FRONT OF HOUSE

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5624M01119
Model Num	LGT072H4E	LGT072H4EQ1Y
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

Test Data		
	Design	**Actual**
SF CFM	2400	0
RA CFM	2200	0
OA CFM	200	0
RA Damper Position	-	MECHANICAL LINKAGE
RA Damper Type	-	ECONOMIZER
OA Damper Type	-	ECONOMIZER

Motor Data		
	Design	**Actual**
Motor MFG	-	EBMPAPST
Motor Rpm	-	3300
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	4.4
Service Factor	-	1.15

Completed By: Dylan Crisman on 07/29/2025

Notes:
Unit is inoperable at time of balance, mechanicals working on it say the board could be bad, waiting to hear back from Lennox. Issue created.

Written By: Dylan Crisman on 07/29/2025

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National TAB

Project:07-28-25 WAWA #7400 GREENFIELD, IN

AHU/RTU

Diffuser Supply (GRD)

RTU3/FRONT OF HOUSE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	ASSOCIATE AREA	SD1	8"	200	1.0	0	0	0	0.0
SGRD2	OFFICE	SD1	8"	150	1.0	0	0	0	0.0
SGRD3	VESTIBLE	SD5	8"	250	1.0	0	0	0	0.0
SGRD4	FOH	SD2	18"	450	1.0	0	0	0	0.0
SGRD5	FOH	SD2	18"	450	1.0	0	0	0	0.0
SGRD6	FOH	SD2	14"	450	1.0	0	0	0	0.0
SGRD7	FOH	SD2	14"	450	1.0	0	0	0	0.0
Total				2400		0	0	0	0%

Completed By: Dylan Crisman on 07/29/2025

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National TAB

Project: 07-28-25 WAWA #7400 GREENFIELD, IN

System/Unit: FAN - Exhaust

Asset: EF1 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6-1-19-x
Serial Num	-	26320192
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	US-MOTORS
Horsepower	.167	1/6
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.6
Service Factor	-	1.35

Test Data		
	Design	**Actual**
CFM	375	366
Fan RPM	-	1352
Fan Rotation	-	CCW
Motor RPM	-	1760
System SetPt	-	3 TURNS OPEN
Total ESP	.38"	0.41"
Fan Inlet SP	-	-0.41"
Fan Discharge SP	-	ATM

Completed By: Dylan Crisman on 07/29/2025

Unit Data - PHOTO LOG

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National TAB

Project:07-28-25 WAWA #7400 GREENFIELD, IN

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	MENS RR	EG1	8X8	225	1.0	108	195	220	97.8
EGRD2	WOMENS RR	EG1	8X8	150	1.0	190	109	146	97.3
Total				375		298	304	366	97.6%

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National TAB

Project: 07-28-25 WAWA #7400 GREENFIELD, IN

System/Unit: FAN - Exhaust

Asset: EF2 AREA:BACK OF HOUSE

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6-1-19-X
Serial Num	-	26320193
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	US-MOTORS
Horsepower	.167	1/6
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.8
Service Factor	-	1.35

Test Data		
	Design	**Actual**
CFM	400	413
Fan RPM	-	1180
Fan Rotation	-	CCW
Motor RPM	-	1752
System SetPt	-	3 TURNS OPEN
Total ESP	.38"	0.29"
Fan Inlet SP	-	-0.29"
Fan Discharge SP	-	ATM

Completed By: Dylan Crisman on 07/29/2025

Unit Data - PHOTO LOG

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National TAB

Project:07-28-25 WAWA #7400 GREENFIELD, IN

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF2/BACK OF HOUSE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	BOH	RG2	8X8	200	1.0	211	211	211	105.5
EGRD2	BOH	RG2	8X8	200	1.0	202	202	202	101.0
Total				400		413	413	413	103.25%

Completed By: Dylan Crisman on 07/29/2025

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National TAB

Project: 07-28-25 WAWA #7400 GREENFIELD, IN

System/Unit: FAN - Exhaust

Asset: EF3 AREA:TRASH ROOM

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	SP-B200	SP-B200
Serial Num	-	191307299-0065
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	**Actual**
CFM	200	127
Fan Rotation	-	CCW
RL Voltage	-	117
RL Amperage	-	1.2
Fan Discharge SP	-	ATM

Motor Data		
	Design	**Actual**
Motor MFG	-	GREENHECK
Horsepower	.167	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.7

Completed By: Dylan Crisman on 07/29/2025

Notes:
Fan is low on flow at 127/200CFM. Fan is missing speed controller, unable to adjust speeds. Issue created.

Written By: Dylan Crisman on 07/29/2025

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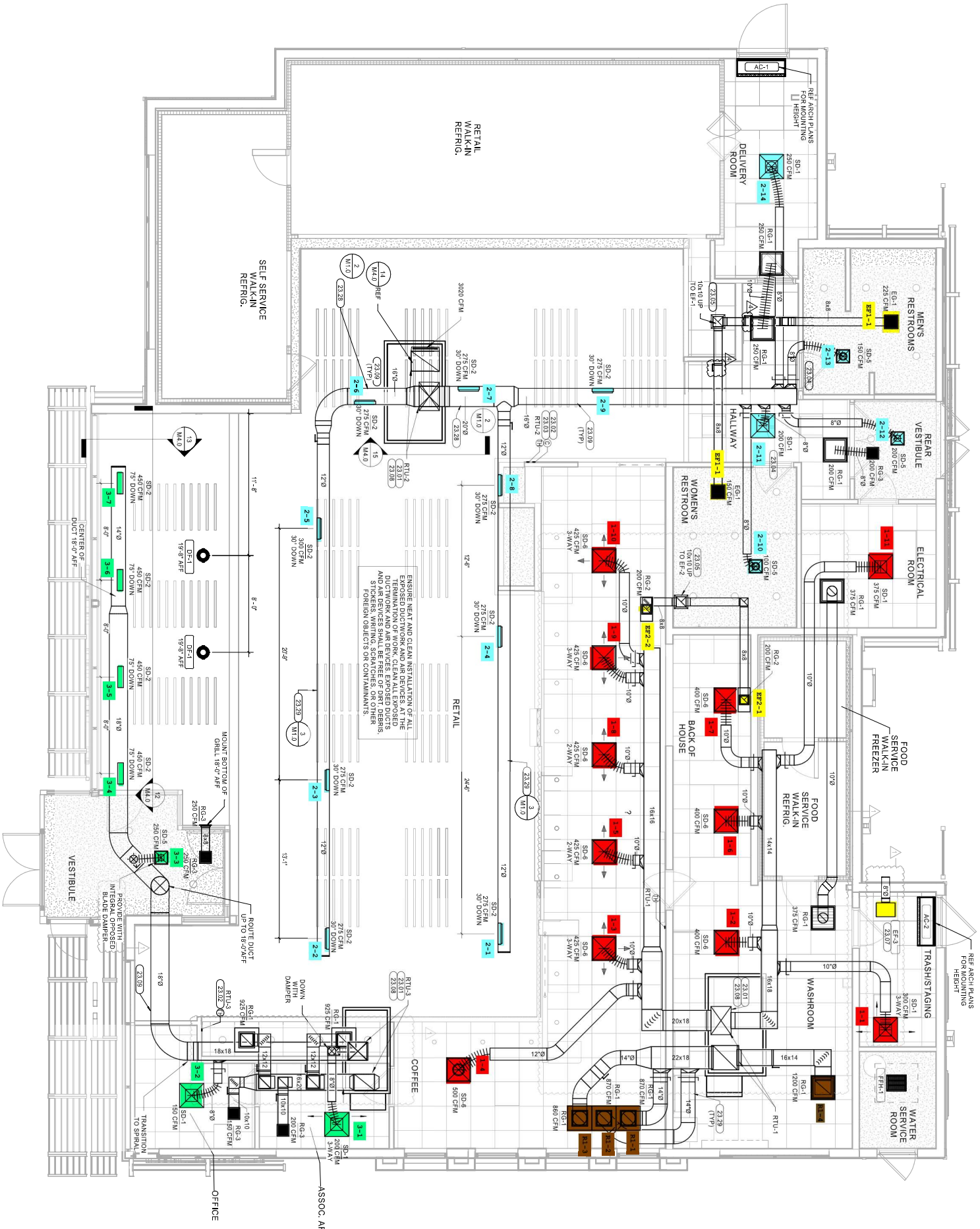
1 HVAC FLOOR PLAN

1/4" = 1'-0"



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