Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 12/05/2025

Completed By: National TAB

PROJECT

11-03-25 WAWA #7618 LOUISVILLE, KY

5229 DIXIE HWY

EASTWOOD, KY 40018

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 11-03-25 WAWA #7618 LOUISVILLE, KY

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 Speed Controller
- EF-2 Return 2
- RTU-1 Cooling
- RTU-1 Diffusers Incorrect Position

11-03-25 WAWA #7618 LOUISVILLE, KY

Project Issue Information

Issue Name : EF Speed Controller

Description : Neither EF-1 nor EF-2 is equipped with a speed controller as specified in EF schedule. Unable to adjust fan speeds. EF flow adjusted using dampers.

Created By : National TAB **Assigned To :** National TAB - Jordan Best

Status : Open

Priority : High **Asset Tag :**

Originated Date : 12/03/2025 - Jordan Best - National TAB

Project Issue File Details

EXHAUST FAN SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	DESIGN AIRFLOW (CFM)	EXT. S.P. (IN-WG)	VOLTS	PHASE	HP	WEIGHT	NOTES
EF-1	RESTROOMS	GREENHECK	GB-098-8	375	0.38	120	1	0.167	59	1,2,3,4,5
EF-2	BACK OF HOUSE	GREENHECK	GB-098-8	400	0.38	120	1	0.167	59	1,2,3,4,5
EF-3	TRASH ROOM	GREENHECK	SP-B200	200	0.50	120	1	0.167	14	1,3,4,5

NOTES:
1. PROVIDED BY GC.
2. PROVIDE DISCONNECT SWITCH.
3. PROVIDE 12" HIGH PREFABRICATED INSULATED ROOF CURB.
4. MECHANICAL CONTRACTOR TO PROVIDE EXHAUST FAN, & WIRED SPEED CONTROLLER.
5. WIRE FOR CONTINUOUS OPERATION.

12/03/2025

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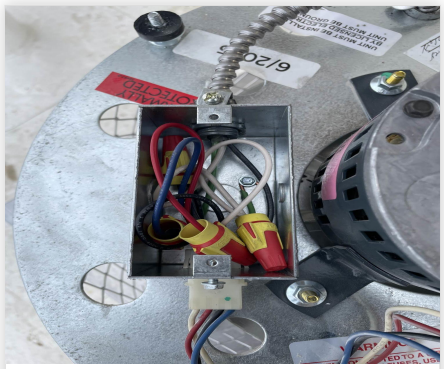

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Project Issue Information

Issue Name : EF-2 Return 2

Description : RTU-2, return 2 is oriented incorrectly. Should be flush with wall above oven.

Created By : National TAB

Assigned To : National TAB - Jordan Best

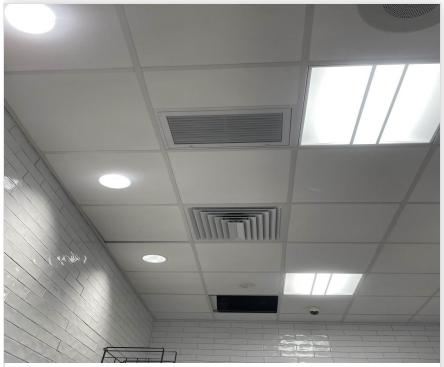
Status : Open

Priority : Medium

Asset Tag :

Originated Date : 12/05/2025 - Jordan Best - National TAB

Project Issue File Details



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Project Issue Information

Issue Name :	RTU-1 Cooling		
Description :	RTU-1 discharge temp did not fall below 65 F when in full cool with both compressors on. Other units measured around 40 F.		
Created By :	National TAB	**Assigned To :**	National TAB - Jordan Best
Status :	Open		
Priority :	Medium	**Asset Tag :**	
Originated Date :	12/05/2025 - Jordan Best - National TAB		

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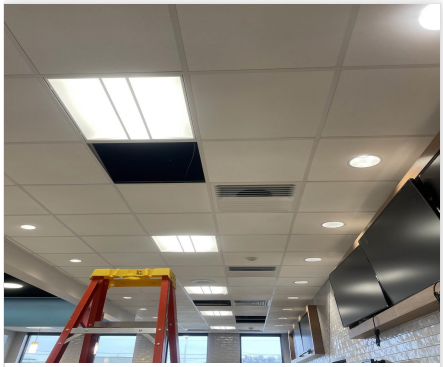
Project Issue Information

Issue Name : RTU-1 Diffusers Incorrect Position

Description : RTU-1 supply diffusers 6 thru 10 are not in the correct position as seen on GRD / MSET. They're located one tile back from where they should be. Issue did not affect balance,

Created By :	National TAB	**Assigned To :**	National TAB - Jordan Best
Status :	Open		
Priority :	Low	**Asset Tag :**	
Originated Date :	12/05/2025 - Jordan Best - National TAB		

Project Issue File Details



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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	4600	3800	3879	700	721	15.6%	15.7%						
RTU-2	SALES	3400	3522	3020	3129	380	393	11.2%	11.2%						
RTU-3	FOH	2400	2416	2200	2195	200	221	8.3%	9.1%						
EF-1	RESTROOMS													375	387
EF-2	BOH													400	425
EF-3	TRASH ROOM													200	208
TOTALS		10300	10538	9020	9203	1280	1335			0	0	0	0	975	1020

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1280	1335
TOTAL EXHAUST	975	1020
NET AIRFLOW	305	315

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.014
SIDE	0.006
REAR	0.004
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
- 02: LENNOX SETUP PARAMETERS
- 03: SENSOR WIRING (LENNOX)
- 04: EF'S
- 05: CLOSEOUT CHECKS

11-03-25 WAWA #7618 LOUISVILLE, KY

CheckList Information

Name :	01: RTU's/AHU's	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/23/2025 - Tyce Fox - National TAB		
Completed Date :	12/04/2025 - Jordan Best - National TAB		

CheckList Item Details

RTU's/AHU's

Thermostats installed and have power?	N/A
Comment: BAS, no thermostats.	
All diffusers and grilles are installed and match design?	Yes
Comment:	
Economizer blank plate is installed below the ouside air intake (Trane only) (N/A = not applicable)	N/A
Comment:	
Economizers are assembled and functional?	Yes
Comment:	
DCV Max damper opening position is set to minimum?	Yes
Comment:	
Free cooling enthalpy set point set for lowest setting (Typically "D")	Yes
Comment:	

Motors are all operating below the FLA rating?	Yes
Comment:	
Are belts tight?	N/A
Comment:	
If direct drive unit is the speed controller working?	Yes
Comment:	
Is gas piping installed and valves turned on?	Yes
Comment:	
Unit free of noticeable noise and vibration	Yes
Comment:	
Final outside air damper position is marked with permanent marker?	Yes
Comment:	

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CheckList Information

Name :	02: LENNOX SETUP PARAMETERS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/23/2025 - Tyce Fox - National TAB		
Completed Date :	12/04/2025 - Jordan Best - National TAB		

CheckList Item Details

UNIT ID CONFIGURATIONS

BACNET CONFIGURATION: GO TO SETTINGS>GENERAL>CONFIGURATION ID1 POSITION 5 SET TO "B".	Pass
Comment:	
NETWORK CONFIGURATION: GO TO SETUP>NETWORK INTEGRATION, SET TO BACNET	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 START OPEN PPM: 1200	Pass

Comment:

PARAMETER 118 CO2 START OPEN PPM: 1500	Pass

Comment:

PARAMETER 137 OCCHET SET POINT: 68 (BACK UP)	Pass

Comment:

PARAMETER 139 OCC COOLING SET POINT: 72 (BACK UP)	Pass

Comment:

PARAMETER 154 OCC BLOWER MODE: ON-CONTINUOUS 1	Pass

Comment:

PARAMETER 131 SET TO THE SAME % AS THE MINMIUM OA DAMPER SETPOINT	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: 75% RTU-2: 75% RTU-3: 92%

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CheckList Information

Name :	03: SENSOR WIRING (LENNOX)	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/23/2025 - Tyce Fox - National TAB		
Completed Date :	12/04/2025 - Jordan Best - 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:	

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CheckList Information

Name :	04: EF'S	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/23/2025 - Tyce Fox - National TAB		
Completed Date :	12/04/2025 - Jordan Best - 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)?	Fail
Comment:	

No speed controllers installed. Fans balanced using dampers, unable to adjust fan speed.

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:	

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CheckList Information

Name :	05: CLOSEOUT CHECKS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/23/2025 - Tyce Fox - National TAB		
Completed Date :	12/04/2025 - Jordan Best - 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:	

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Project: 11-03-25 WAWA #7618 LOUISVILLE, KY

System/Unit: AHU/RTU

Asset: RTU1 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5625E01965
Model Num	LCT150H5E	LCT150H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14"X24.25"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"X25"X2"

Motor Data		
	Design	**Actual**
Horsepower	3.75	3.75
Phase	3	3
Rated Voltage	208	208

Test Data		
	Design	**Actual**
SF CFM	4500	4600
SF RPM	-	1335
RA CFM	3800	3879
OA CFM	700	721
RL Voltage	-	212.8 / 213.6 / 214.2
RL Amperage	-	3.83 / 4.12 / 4.15
SF Rotation	-	CCW
SF System SetPt	-	75%
RA Damper Position	-	72%
Min OA Damper Position	-	28%
Min OA Damper Type	-	ECON
OA Enthalpy Setpt	-	DEFAULT

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.4"
Fan Suction SP	-	-0.8"
Fan Discharge SP	-	-0.5"
Total ESP	0.70"	0.9"
Fan Total SP	-	1.7"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Jordan Best on 12/05/2025

Unit Data - PHOTO LOG

11/03/2025

National TAB

Project:11-03-25 WAWA #7618 LOUISVILLE, KY

AHU/RTU

Diffuser Supply (GRD)

RTU1/BOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	TRASH	SD	10"	300	1	383	304	304	101.3
SGRD2	WASHROOM	SD	10"	400	1	459	416	416	104.0
SGRD3	BOH	SD	10"	400	1	361	422	422	105.5
SGRD4	BOH	SD	10"	400	1	350	439	439	109.8
SGRD5	ELECTRICAL	SD	10"	375	1	393	381	381	101.6
SGRD6	FOOD SERVICE	SD	10"	425	1	293	407	407	95.8
SGRD7	FOOD SERVICE	SD	10"	425	1	320	422	422	99.3
SGRD8	FOOD SERVICE	SD	10"	425	1	407	421	421	99.1
SGRD9	FOOD SERVICE	SD	10"	425	1	324	418	418	98.4
SGRD10	FOOD SERVICE	SD	10"	425	1	482	454	454	106.8
SGRD11	COFFEE	SD	12"	500	1	786	516	516	103.2
Total				4500		4558	4600	4600	102.22%

Diffuser Ret/Exh (GRD)

RTU1/BOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	WASHROOM	RG-1		1200	0.85	987	1154	1154	96.2
EGRD2	BOH	RG-1		865	0.85	1032	880	880	101.7
EGRD3	BOH	RG-1		865	0.85	932	841	841	97.2
EGRD4	BOH	RG-1		870	0.85	732	872	872	100.2
Total				3800		3683	3747	3747	98.61%

Completed By: Jordan Best on 12/05/2025

National TAB

Project: 11-03-25 WAWA #7618 LOUISVILLE, KY

System/Unit: AHU/RTU

Asset: RTU2 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5625E01958
Model Num	LGT102H5E	LGT102H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14.25"X24"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"X25"X2"

Motor Data		
	Design	**Actual**
Horsepower	3.75	3.75
Phase	3	3
Rated Voltage	208	208

Test Data		
	Design	**Actual**
SF CFM	3400	3522
SF RPM	-	1353
RA CFM	3020	3129
OA CFM	380	393
RL Voltage	-	214.3 / 213 / 214.3
RL Amperage	-	3.83 / 4.26 / 3.82
SF Rotation	-	CCW
SF System SetPt	-	75%
RA Damper Position	-	76%
Min OA Damper Position	-	24%
Min OA Damper Type	-	ECON
OA Enthalpy Setpt	-	DEFAULT

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.2"
Fan Suction SP	-	-0.6"
Fan Discharge SP	-	0.7"
Total ESP	1.00"	0.9"
Fan Total SP	-	1.3"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Jordan Best on 12/05/2025

Unit Data - PHOTO LOG

11/03/2025

National TAB

Project:11-03-25 WAWA #7618 LOUISVILLE, KY

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	REAR VESTIBULE	SD5	8"	200	1	329	217	217	108.5
SGRD2	MENS RR	SD5	8"	150	1	236	164	164	109.3
SGRD3	WOMENS RR	SD5	8"	100	1	206	104	104	104.0
SGRD4	HALLWAY	SD1	8"	200	1	398	218	218	109.0
SGRD5	DELIVERY ROOM	SD1	8"	250	1	287	264	264	105.6
SGRD6	RETAIL	SD2	16"	275	0.43	202	294	294	106.9
SGRD7	RETAIL	SD2	20"	275	0.43	211	284	284	103.3
SGRD8	RETAIL	SD2	12"	275	0.43	182	261	261	94.9
SGRD9	RETAIL	SD2	12"	275	0.43	184	254	254	92.4
SGRD10	RETAIL	SD2	12"	275	0.43	389	262	262	95.3
SGRD11	RETAIL	SD2	16"	275	0.43	199	301	301	109.5
SGRD12	RETAIL	SD2	12"	300	0.43	253	282	282	94.0
SGRD13	RETAIL	SD2	12"	275	0.43	375	311	311	113.1
SGRD14	RETAIL	SD2	12"	275	0.43	421	306	306	111.3
Total				3400		3872	3522	3522	103.59%

Completed By: Jordan Best on 12/04/2025

National TAB

Project: 11-03-25 WAWA #7618 LOUISVILLE, KY

System/Unit: AHU/RTU

Asset: RTU3 AREA:FOH

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5625E04028
Model Num	LGT072H5E	LGT072H5E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	15"x28.75"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"x20"x2"

Motor Data		
	Design	**Actual**
Horsepower	1.5	1.5
Phase	3	3
Rated Voltage	208	208

Test Data		
	Design	**Actual**
SF CFM	2400	2416
SF RPM	-	3103
RA CFM	2200	2195
OA CFM	200	221
RL Voltage	-	212.7 / 213.5 / 213.9
RL Amperage	-	3.96 / 4.14 / 4.07
SF Rotation	-	CORRECT
SF System SetPt	-	92%
RA Damper Position	-	80%
Min OA Damper Position	-	20%
Min OA Damper Type	-	ECON
OA Enthalpy Setpt	-	DEFAULT

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.4"
Fan Suction SP	-	-0.6"
Fan Discharge SP	-	0.9"
Total ESP	0.50"	1.3"
Fan Total SP	-	1.5"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Jordan Best on 12/05/2025

Unit Data - PHOTO LOG

11/03/2025

National TAB

Project:11-03-25 WAWA #7618 LOUISVILLE, KY

AHU/RTU

Diffuser Supply (GRD)

RTU3/FOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	COFFEE	SD1	8"	200	1	360	214	214	107.0
SGRD2	OFFICE	SD1	8"	150	1	319	158	158	105.3
SGRD3	VESTIBULE	SD5	8"	250	1	321	253	253	101.2
SGRD4	FOH	SD2	19X3.25	450	0.43	347	467	467	103.8
SGRD5	FOH	SD2	19X3.25	450	0.43	331	434	434	96.4
SGRD6	FOH	SD2	19X3.25	450	0.43	402	459	459	102.0
SGRD7	FOH	SD2	19X3.25	450	0.43	418	431	431	95.8
Total				2400		2498	2416	2416	100.67%

Completed By: Jordan Best on 12/03/2025

National TAB

Project: 11-03-25 WAWA #7618 LOUISVILLE, KY

System/Unit: FAN - Exhaust

Asset: EF1 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	GREENHECK	PENNBARRY
Model Num	GB-098-6	DX11R
Serial Num	-	F25AX31170
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	FASCO
Horsepower	0.167	0.167
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.50
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	375	387
Fan Rotation	-	CORRECT
System SetPt	-	FIXED SPEED
RL Voltage	-	182.5
RL Amperage	-	2.17
Total ESP	0.38"	0.4"
Fan Inlet SP	-	-0.4"
Fan Discharge SP	-	ATM

Completed By: Jordan Best on 12/05/2025

Unit Data - PHOTO LOG

11/03/2025

National TAB

Project:11-03-25 WAWA #7618 LOUISVILLE, KY

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	256	235	235	104.4
EGRD2	WOMENS RR	EG1	8X8	150	1	239	152	152	101.3
Total				375		495	387	387	103.2%

Completed By: Jordan Best on 12/04/2025

National TAB

Project: 11-03-25 WAWA #7618 LOUISVILLE, KY

System/Unit: FAN - Exhaust

Asset: EF2 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	GREENHECK	PENNBARRY
Model Num	GB-098-6	DX11R
Serial Num	-	F25AX31173
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	FASCO
Frame	-	NA
Horsepower	0.167	0.167
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.50
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	400	425
Fan Rotation	-	CORRECT
System SetPt	-	FIXED SPEED
RL Voltage	-	181.5
RL Amperage	-	2.17
Total ESP	0.38"	0.3"
Fan Inlet SP	-	-0.3"
Fan Discharge SP	-	ATM

Completed By: Jordan Best on 12/05/2025

Unit Data - PHOTO LOG

11/03/2025

National TAB

Project:11-03-25 WAWA #7618 LOUISVILLE, KY

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF2/BOH

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	BOH	RG-2	8X8	200	1	224	216	216	108.0
EGRD2	BOH	RG-2	8X8	200	1	254	209	209	104.5
Total				400		478	425	425	106.25%

Completed By: Jordan Best on 12/04/2025

National TAB

Project: 11-03-25 WAWA #7618 LOUISVILLE, KY

System/Unit: FAN - Exhaust

Asset: EF3 AREA:TRASH ROOM

Unit Data		
	Design	**Actual**
MFG	GREENHECK	BROAN
Model Num	SP-B200	L250E-A
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

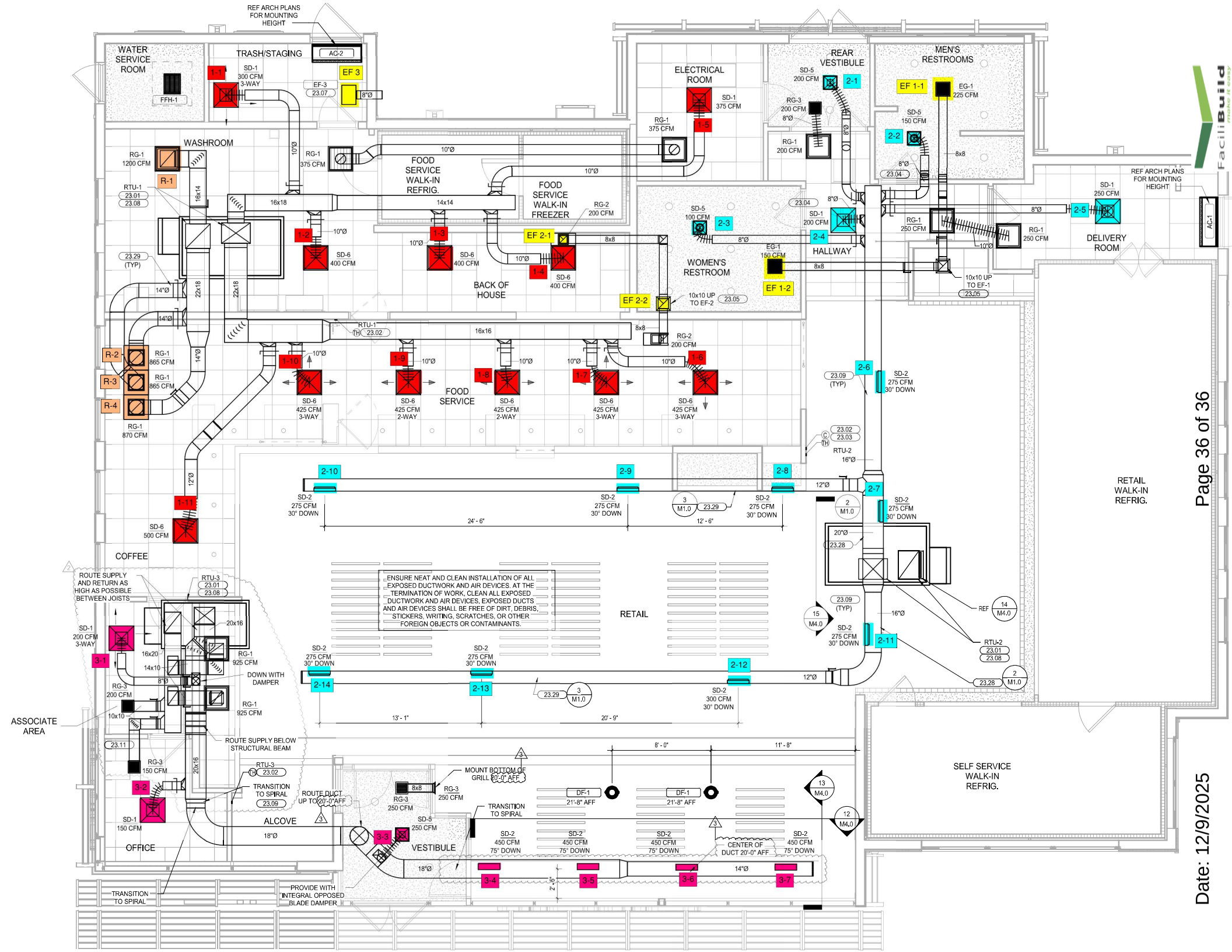
Test Data		
	Design	**Actual**
CFM	200	208
Fan Rotation	-	CORRECT
System SetPt	-	FIXED SPEED

Motor Data		
	Design	**Actual**
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	0.6

Completed By: Jordan Best on 12/03/2025

Unit Data - PHOTO LOG

11/03/2025


REF ARCH PLANS FOR MOUNTING HEIGHT
WATER SERVICE ROOM
FFH-1
TRASH/STAGING
AC-2
EF 3
EF-3
23.07
SD-1
300 CFM
3-WAY
1-1
WASHROOM
RG-1
1200 CFM
R-1
RTU-1
23.01
23.08
16x14
16x18
10"Ø
RG-1
375 CFM
FOOD SERVICE WALK-IN REFRIG.
14x14
FOOD SERVICE WALK-IN FREEZER
RG-2
200 CFM
1-2
1-3
SD-6
400 CFM
EF 2-1
8x8
1-4
BACK OF HOUSE
23.29
(TYP)
14"Ø
22x18
EF 2-2
10x10 UP TO EF-2
23.05
RTU-1
TH
23.02
16x16
R-2
R-3
R-4
RG-1
865 CFM
RG-1
870 CFM
1-10
1-9
1-8
1-7
1-6
SD-6
425 CFM
3-WAY
SD-6
425 CFM
2-WAY
FOOD SERVICE
12"Ø
1-11
SD-6
500 CFM
COFFEE
ELECTRICAL ROOM
SD-1
375 CFM
RG-1
375 CFM
1-5
REAR VESTIBULE
SD-5
200 CFM
2-1
RG-3
200 CFM
8"Ø
RG-1
200 CFM
10"Ø
MEN'S RESTROOMS
EF 1-1
EG-1
225 CFM
SD-5
150 CFM
2-2
8x8
8"Ø
23.04
SD-5
100 CFM
2-3
SD-1
200 CFM
2-4
HALLWAY
WOMEN'S RESTROOM
EG-1
150 CFM
EF 1-2
10x10 UP TO EF-1
23.05
SD-1
250 CFM
2-5
RG-1
250 CFM
DELIVERY ROOM
REF ARCH PLANS FOR MOUNTING HEIGHT
AC-1
2-6
23.09
(TYP)
SD-2
275 CFM
30° DOWN
23.02
23.03
C
TH
RTU-2
16"Ø
2-10
2-9
2-8
2-7
24' - 6"
12' - 6"
3
M1.0
23.29
2
M1.0
20"Ø
23.28
RETAIL WALK-IN REFRIG.
ROUTE SUPPLY AND RETURN AS HIGH AS POSSIBLE BETWEEN JOISTS
RTU-3
23.01
23.08
SD-1
200 CFM
3-WAY
3-1
20x16
16x20
14x10
RG-1
925 CFM
8"Ø
DOWN WITH DAMPER
RG-3
200 CFM
10x10
ASSOCIATE AREA
ENSURE NEAT AND CLEAN INSTALLATION OF ALL EXPOSED DUCTWORK AND AIR DEVICES. AT THE TERMINATION OF WORK, CLEAN ALL EXPOSED DUCTWORK AND AIR DEVICES, EXPOSED DUCTS AND AIR DEVICES SHALL BE FREE OF DIRT, DEBRIS, STICKERS, WRITING, SCRATCHES, OR OTHER FOREIGN OBJECTS OR CONTAMINANTS.
RETAIL
2-14
2-13
2-12
2-11
13' - 1"
20' - 9"
15
M4.0
14
M4.0
REF
RTU-2
23.01
23.08
23.28
2
M1.0
ROUTE SUPPLY BELOW STRUCTURAL BEAM
23.11
RG-3
150 CFM
RTU-3
TH
23.02
TRANSITION TO SPIRAL
23.09
3-2
SD-1
150 CFM
ALCOVE
18"Ø
OFFICE
TRANSITION TO SPIRAL
ROUTE DUCT UP TO 20'-0" AFF
MOUNT BOTTOM OF GRILL 20'-0" AFF
8x8
RG-3
250 CFM
SD-5
250 CFM
3-3
VESTIBULE
PROVIDE WITH INTEGRAL OPPOSED BLADE DAMPER
8' - 0"
11' - 8"
DF-1
21'-8" AFF
DF-1
21'-8" AFF
TRANSITION TO SPIRAL
SD-2
450 CFM
75° DOWN
SD-2
450 CFM
75° DOWN
SD-2
450 CFM
75° DOWN
CENTER OF DUCT 20'-0" AFF
SD-2
450 CFM
75° DOWN
13
M4.0
12
M4.0
18"Ø
14"Ø
3-4
3-5
3-6
3-7
SELF SERVICE WALK-IN REFRIG.
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Date: 12/9/2025